

SAR TEST REPORT

For

Tablet

Model Number: T9110

FCC ID: Q34T9110

Report Number : WT 138002782

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Test report declaration

Applicant : Star Computer Group Inc.
Address : 2175 NW 115th Avenue, Miami FL. 33172 – United States
Manufacturer : Shenzhen Skyworth Wireless Technology Limited
Address : Unit 3A01, Block A Skyworth Building, Gaoxin Ave.1.S.,
Nanshan District, Shenzhen, China.
EUT Description : Tablet
Model No. : T9110
Trade mark : ARGOM TECH
Serial Number : --
FCC ID : **Q34T9110**

Test Standards:

IEEE 1528-2003 FCC KDB 865664 D01 v01

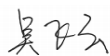
The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the compliance of the applicable standards stated above.

Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results.

The results documented in this report only apply to the tested sample, under the conditions and modes of operation as described herein.

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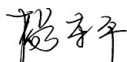
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1. REPORTED SAR SUMMARY

The maximum results of Specific Absorption Rate (SAR) found during testing are as follows.

Highest Reported Standalone SAR Summary

Exposure Position	Frequency Band	Highest Reported1g-SAR (W/kg)	Equipment Class	Highest Reported1g-SAR (W/kg)
Head	GSM850	0.084	PCE	0.11
	GSM1900	0.034		
	WCDMA Band V	0.068		
	WCDMA Band II	0.110		
	WLAN 2.4GHz Band	0.032	DTS	0.03
Body-worn(0cm Gap)	GSM850	0.229	PCE	0.50
	GSM1900	0.111		
	WCDMA Band V	0.504		
	WCDMA Band II	0.310		
	WLAN 2.4GHz Band	0.042	DTS	0.04
Hotspot(10mm Gap)	GSM850	0.229	PCE	0.50
	GSM1900	0.111		
	WCDMA Band V	0.504		
	WCDMA Band II	0.310		
	WLAN 2.4GHz Band	0.042	DTS	0.04

Exposure Position	Frequency Band	Highest Reported10g-SAR (W/kg)	Equipment Class	Highest Reported10g-SAR (W/kg)
Body-worn(0cm Gap)	GSM850	0.154	PCE	0.31
	GSM1900	0.065		
	WCDMA Band V	0.312		
	WCDMA Band II	0.168		
	WLAN 2.4GHz Band	0.022	DTS	0.02
Hotspot(10mm Gap)	GSM850	0.154	PCE	0.31
	GSM1900	0.065		
	WCDMA Band V	0.312		
	WCDMA Band II	0.168		
	WLAN 2.4GHz Band	0.022	DTS	0.02

Highest Simultaneous Transmission SAR

Exposure Position	Frequency Band	Equipment Class	Highest Reported Simultaneous Transmission 1g-SAR (W/kg)
Head	WCDMA1900	PCE 0.110	0.32
	Bluetooth	DSS 0.209	
Head	WCDMA1900	PCE 0.110	0.14
	WIFI	DTS 0.032	
Body 0mm	WCDMA850	PCE 0.504	0.71
	Bluetooth	DSS 0.209	
Body 0mm	WCDMA850	PCE 0.504	0.55
	WIFI	DTS 0.042	
Body 10mm Hotspot	WCDMA850	PCE 0.504	0.71
	Bluetooth	DSS 0.209	
Body 10mm Hotspot	WCDMA850	PCE 0.504	0.55
	WIFI	DTS 0.042	

Exposure Position	Frequency Band	Equipment Class	Highest Reported Simultaneous Transmission 10g-SAR (W/kg)
Body 0mm	WCDMA850	PCE 0.312	0.40
	Bluetooth	DSS 0.083	
Body 0mm	WCDMA850	PCE 0.312	0.33
	WIFI	DTS 0.022	
Body 10mm Hotspot	WCDMA850	PCE 0.312	0.40
	Bluetooth	DSS 0.083	
Body 10mm Hotspot	WCDMA850	PCE 0.312	0.33
	WIFI	DTS 0.022	

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at Bldg. of Metrology & Quality Inspection, Longzhu Road, Nanshan District, Shenzhen, Guangdong, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number are 446246 806614 994606(semi anechoic chamber).

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is IC4174.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is E2024086Z02.

3. DESCRIPTION OF THE DEVICE UNDER TEST (DUT)

3.1.DUT Description

Frequency Bands	GSM850/PCS1900MHz/WCDMA850MHz/WCDMA1900MHz
Modulation Mode	GSM:GMSK WCDMA (Rel6):BPSK uplink, QPSK downlink
Power Class	GSM900:4,DCS1800:1 WCDMA:3
GPRS Multislot Class	10
Transfer Mode	Class B
Category	Can be connected to GPRS service and GSM service (voice, SMS), but using only one or the other at a given time. During GSM service (voice call or SMS), GPRS service is suspended, and then resumed automatically after the GSM service (voice call or SMS) has concluded. Most GPRS mobile devices are Class B.
Antenna type	Fixed Internal Antenna
Battery Model	367096
Battery Specification	3.7V 11.1Wh
Hardware Version	GT-7325
Software Version	MD706HB.HONGSHAN.V1.68.2013.07.30

3.2. RF output power Tune up limit

Maximum Tune up Burst Average power		
Mode	GSM 850	GSM 1900
GSM (GMSK, 1 Tx slot)	32	30
GPRS/EDGE (GMSK, 1 Tx slot)	32	30
GPRS/EDGE (GMSK, 2 Tx slots)	30	28

Maximum Tune up Target power		
Mode	WCDMA Band V	WCDMA Band II
RMC 12.2K	24.5	24.5
HSDPA Subtest-1	24	24
HSDPA Subtest-2	23.5	23.5
HSDPA Subtest-3	23	23
HSDPA Subtest-4	22	22
HSUPA Subtest-1	22	22
HSUPA Subtest-2	21	21
HSUPA Subtest-3	21.5	21.5
HSUPA Subtest-4	21	21
HSUPA Subtest-5	22.7	22.7

Mode / Band	Bluetooth Average Power(dBm)
Bluetooth	7

Maximum Target Average Power for Production Unit (dBm)					
Mode / Band	IEEE 802.11				
	a	b	g	n-HT20	n-HT40
WLAN 2.4 GHz Band	--	15	14	13.5	13

3.3.Applied Standards

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2003
- FCC KDB 447498 D01 v05
- FCC KDB 648474 D04v01
- FCC KDB 248227 D01 v01r02
- FCC KDB 941225 D01 v02
- FCC KDB 941225 D03 v01
- FCC KDB 941225 D06 v01
- FCC KDB 865664 D01 v01

3.4.SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user. Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

4. TEST CONDITIONS

4.1. Temperature and Humidity

Ambient temperature (°C):	21-22
Ambient humidity (RH %):	59-60

4.2. Introduction of SAR

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for general public group.

SAR Definition:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right) \quad SAR = C \frac{\delta T}{\delta t} \quad SAR = \frac{\sigma |E|^2}{\rho}$$

In the first equation, the SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ρ).

In the second equation, C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration.

The last equation relates to the electrical field, where σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the rms electrical field strength. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

SAR is expressed in units of Watts per kilogram (W/kg)

4.3. Test Configuration

GSM Test Configuration

The tests for GSM850 and GSM1900, a communication link is set up with a System Simulator by air link. The Absolute Radio Frequency Channel Number (ARFCN) is

allocated to 128, 190 and 251 respectively in the case of GSM850, to 512, 700 and 885 respectively in the case of GSM1900. The tests in the band of GSM850 and GSM1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 10 for this EUT, it has at most 2 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5. The EGPRS class is 10 for this EUT, it has at most 2 timeslots in uplink, and at most 4 timeslots in downlink, the maximum total timeslot is 5. The device output power was set to maximum power level for all tests. Using CMU200 the power control level is set to “ 5” for GSM850, set to “ 0” for GSM1900.

WCDMA Test Configuration

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

	Mode	Rel6
	Subtest	---
WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c / β_d	8/15

For WWAN SAR testing, the device was controlled by using a base station emulator. Communication between the device and the emulator was established by air link. The distance between the EUT and the antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT.

5. DESCRIPTION OF THE TEST EQUIPMENTS

5.1.Measurement System and Components

No.	Equipment	Model No.	Manufacturer	Serial No.	Last Calibration Data	Period
1	SAR test system	TX60L	SPEAG	SB6810	---	---
2	SAR Probe	ES3DV3	SPEAG	SB6810/02	2012.10.24	1year
3	System Validation Dipole,835MHz	D835V2	SPEAG	SB6810/04	2012.09.24	2year
4	System Validation Dipole,1900MHz	D1900V2	SPEAG	SB6810/05	2012.09.21	2year
5	System Validation Dipole,2450MHz	D2450V2	SPEAG	SB6810/04	2012.10.18	2year
6	Dielectric Probe Kit	85070E	SPEAG	SB6810/12	---	---
7	Dual-directional coupler,0.10-2.0GHz	778D	Agilent	SB6810/07	---	---
8	Dual-directional coupler,2.00-18GHz	772D	Agilent	SB6810/08		
9	Coaxial attenuator	8491A	Agilent	SB6810/09	---	---
10	Power Amplifier	ZHL42W	Agilent	SB6810/10	---	---
11	Signal Generator	SMR20	R&S	SB3438	2013.01.17	1year
12	Power Meter	NRVD	R&S	SB3437	2013.01.20	1year
13	Call Tester	CMU 200	R&S	SB3441	2013.03.31	1year

Note: Referring to KDB 865664 D01v01, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.

The measurements were performed using an automated near-field scanning system, DASY5, manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland. The SAR extrapolation algorithm used in all measurements was the “ advanced extrapolation” algorithm.



5.2. Isotropic E-field Probe Type ES3DV3

Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., butyl diglycol)
Calibration	Calibration certificate in Appendix C
Frequency	10MHz to 4GHz (dosimetry); Linearity: ± 0.2 dB (30MHz to 4GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in HSL (rotation normal to probe axis)
Dynamic Range	5 μ W/g to > 100mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 330 mm Tip length: 20 mm Body diameter: 12 mm Tip diameter: 3.9 mm Distance from probe tip to dipole centers: 2.0 mm
Application	General dosimetry up to 4 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

5.3. Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm).

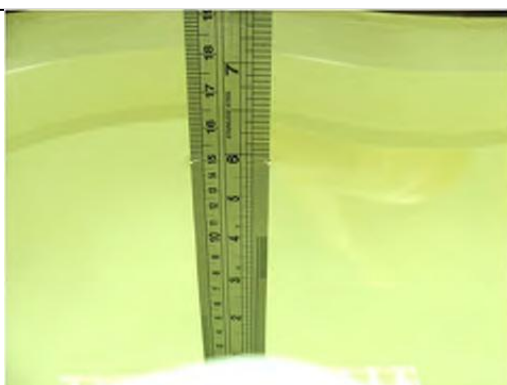
System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.



SAM Twin Phantom

5.4. Tissue-equivalent Liquids

Tissue-equivalent liquids that are used for testing, which are made mainly of sugar, salt and water solution. All tests were carried out using tissue-equivalent liquids whose dielectric parameters were within $\pm 5\%$ of the recommended values. All tests were carried out within 24 hours of measuring the dielectric parameters. The depth of the Tissue-equivalent liquid was 15.0 ± 0.5 cm measured from the ear reference point (ERP) during system checking and device measurements.



Liquid depth of Head SAR



Liquid depth of Body SAR

Tissue-equivalent liquid Recipes

The following recipe(s) were used for Head Tissue-equivalent liquid(s):

Ingredient (% by weight)	Frequency Band			
	800-900	1800-1900	800-900	1800-1900
Tissue Type	Head	Head	Body	Body
Water	40.6	56.1	50.8	68.9
Sugar	58.2	--	48.2	--
Salt	1.0	0.03	0.9	0.1
Preventol D-7	0.1	--	0.1	--
DGMBE	--	43.87	--	31
Cellulose	0.1	--	--	--
Ingredient (% by weight)	Frequency Band			
	2450	2450		
Tissue Type	Head	Body		
Water	54.8	68.4		
Sugar	--	--		
Salt	--	--		
Preventol D-7	--	--		
DGMBE	45.2	31.6		
Cellulose	--	--		

Tissue-equivalent liquids used in the Measurements

Dielectric parameters of the Tissue-equivalent liquids were measured before testing using the dielectric probe kit and the Network Analyzer. The measurement is carried out following the Agilent 85070 dielectric probe software instruction. A calibration of the probe open in air, probe with shorting block and probe in water is performed before measurement. After calibration, Insert the probe into the tissue liquid, trigger a measurement on software interface and record the data.

Head Tissue-equivalent liquid measurements:

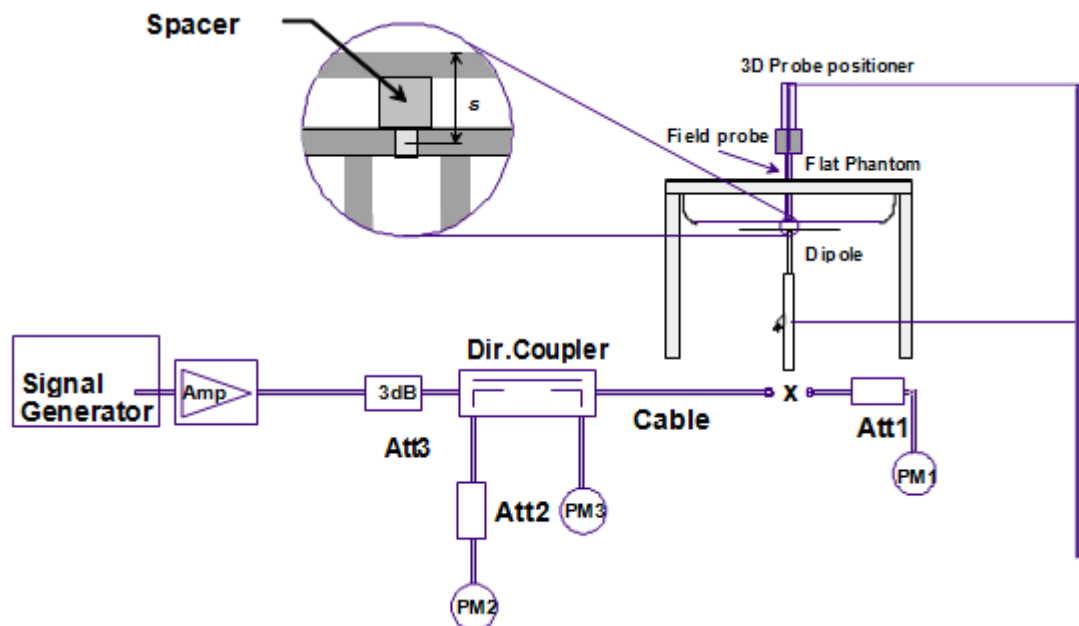
f/MHz	Date Tested	Dielectric Parameters	Target	Delta(%)	Tolerance (%)	Temp (°C)
835	2013.09.28	$\epsilon_r=43.0$	41.5	3.62%	± 5	22
		$\sigma=0.92$	0.90	3.34%		
1900	2013.09.29	$\epsilon_r=41.1$	40.0	2.76%	± 5	22
		$\sigma=1.37$	1.40	-2.15%		
2450	2013.09.30	$\epsilon_r=39.6$	39.2	1.03%	± 5	22
		$\sigma=1.82$	1.80	1.12%		

Body Tissue-equivalent liquid measurements:

f/MHz	Date Tested	Dielectric Parameters	Target	Delta(%)	Tolerance (%)	Temp (°C)
835	2013.09.28	$\epsilon_r=56.3$	55.2	2.00%	± 5	21
		$\sigma=0.94$	0.97	-3.10%		
1900	2013.09.29	$\epsilon_r=52.1$	53.3	-2.26%	± 5	22
		$\sigma=1.48$	1.52	-2.64%		
2450	2013.09.30	$\epsilon_r=50.6$	52.7	-3.99%	± 5	22

System Checking

The manufacturer calibrates the probes annually. A system check measurement was made following the determination of the dielectric parameters of the tissue-equivalent liquid, using the dipole validation kit. A power level of 250mW was supplied to the dipole antenna, which was placed under the flat section of the twin SAM phantom. The SAR values of system check are then normalized to 1W level.



The system checking results (dielectric parameters and SAR values) are given in the table below.

System checking, head Tissue-equivalent liquid:

f/MHz	Date Tested	SAR(W/kg), 1g	Target	Delta(%)	Tolerance (%)	Temp (°C)
835	2013.09.28	9.68	9.36	3.42%	±10	21
1900	2013.09.29	39.6	38.76	2.17%	±10	22
2450	2013.09.30	49.2	53.2	-7.52%	±10	22

System checking, Body Tissue-equivalent liquid:

f/MHz	Date Tested	SAR(W/kg), 1g	Target	Delta(%)	Tolerance (%)	Temp (°C)
835	2013.09.28	9.32	9.76	-4.51%	±10	21

1900	2013.09.29	39.28	41.2	-4.67%	±10	22
2450	2013.09.30	51.6	52	-0.77%	±10	22

Plots of the system checking scans are given in Appendix A.

5.5.Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the DASY system.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.



Device holder supplied by SPEAG

5.6.Test Position

Against Phantom Head

The Mobile phone shall be tested in the “ cheek” and “ tilted” position on left and right sides of the phantom.

Define of the “ cheek” position:

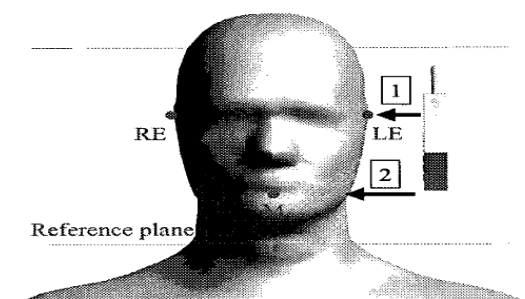
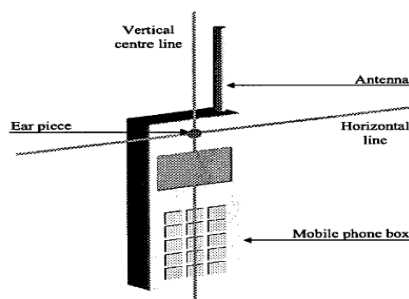
a) Position the device with the vertical center line of the body of the device and the

horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M, RE and LE) and align the center of the ear piece with the line RE-LE.

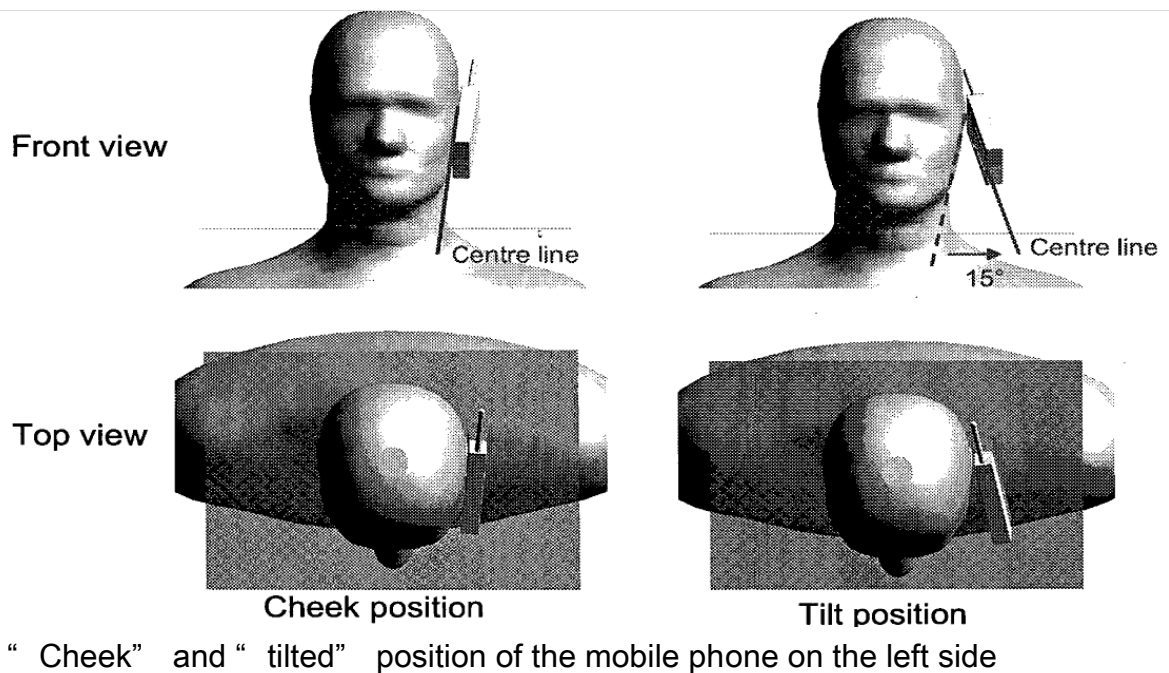
- b) Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.

Define of the “ tilted” position:

- a) Position the device in the “ cheek” position described above.
- b) While maintaining the device the reference planes described above and pivoting against the ear, move it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.



Define of the reference lines and points,
on the phone and on the phantom and initial position



Body Worm Configuration

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. The distance between of the device and the phantom was kept 15mm.

5.7.Scan Procedures

First, area scans were used for determination of the field distribution. Next, a zoom scan, a minimum of 5x5x7 points covering a volume of at least 30x30x30mm, was performed around the highest E-field value to determine the averaged SAR value. Drift was determined by measuring the same point at the start of the area scan and again at the end of the zoom scan.

5.8.SAR Averaging Methods

The DASY5 software includes all numerical procedures necessary to evaluate the spatial peak SAR values. The base for the evaluation is a “ cube” measurement in a volume of (30mm)³ (7x7x7 points). The maximum SAR value was averaged over the cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy5 are all based on the modified Quadratic Shepard' s method.

The interpolation scheme combines a least-square fitted function method with a weighted average method. A trivariate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighbouring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

6. MEASUREMENT UNCERTAINTY

6.1. Uncertainty for SAR Test

Uncertainty Budget of DASY for frequency range 300 MHz to 3 GHz

Uncertainty Component	Tol. (%)	Prob Dist.	Div	ci (10g)	ci.ui(%) (10g)	vi
Measurement System						
Probe Calibration	±5.9	N	1	1	±5.9	∞
Axial Isotropy	±4.7	R	$\sqrt{3}$	0.7	±1.9	∞
Hemispherical Isotropy	±9.6	R	$\sqrt{3}$	0.7	±3.9	∞
Boundary Effect	±1.0	R	$\sqrt{3}$	1	±0.6	∞
Linearity	±4.7	R	$\sqrt{3}$	1	±2.7	∞
System Detection Limits	±1.0	R	$\sqrt{3}$	1	±0.6	∞
Readout Electronics	±0.3	N	1	1	±0.3	∞
Response Time	±0.8	R	$\sqrt{3}$	1	±0.5	∞
Integration Time	±2.6	R	$\sqrt{3}$	1	±1.5	∞
RF Ambient Conditions - Noise	±3.0	R	$\sqrt{3}$	1	±1.7	∞
RF Ambient Conditions - Reflections	±3.0	R	$\sqrt{3}$	1	±1.7	∞
Probe Positioner Mechanical Tolerance	±0.4	R	$\sqrt{3}$	1	±0.2	∞
Probe Positioning with respect to Phantom Shell	±2.9	R	$\sqrt{3}$	1	±1.7	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	±1.0	R	$\sqrt{3}$	1	±0.6	∞
Test Sample Related						
Test Sample Positioning	±2.9	N	1	1	±2.9	145
Device Holder Uncertainty	±3.6	N	1	1	±3.6	5
Output Power Variation - SAR drift measurement	±5.0	R	$\sqrt{3}$	1	±2.9	∞
Phantom and Tissue Parameters						
Phantom Uncertainty (shape and thickness tolerances)	±4.0	R	$\sqrt{3}$	1	±2.3	∞
Conductivity Target - tolerance	±5.0	R	$\sqrt{3}$	0.43	±1.2	∞
Conductivity - measurement uncertainty	±2.5	N	1	0.43	±1.1	∞
Permittivity Target - tolerance	±5.0	R	$\sqrt{3}$	0.49	±1.4	∞
Permittivity - measurement uncertainty	±2.5	N	1	0.49	±1.2	5
Combined Standard Uncertainty					±10.7	387
Expanded STD Uncertainty					±21.4	

6.2. Uncertainty for System Validation

Uncertainty Component	Uncert. value	Prob. Dist.	Div.	(ci) (10g)	Std. Unc. (10g)	(vi) v_{eff}
Probe Calibration	±6.55 %	N	1	1	±6.55 %	1
Axial Isotropy	±4.7 %	R	$\sqrt{3}$	1	±2.7 %	1
Hemispherical Isotropy	±9.6 %	R	$\sqrt{3}$	0	±0 %	1
Boundary Effects	±1.0 %	R	$\sqrt{3}$	1	±0.6 %	1
Linearity	±4.7 %	R	$\sqrt{3}$	1	±2.7 %	1
System Detection Limits	±1.0 %	R	$\sqrt{3}$	1	±0.6 %	1
Modulation Response	±0 %	R	$\sqrt{3}$	1	±0 %	1
Readout Electronics	±0.3 %	N	1	1	±0.3 %	1
Response Time	±0 %	R	$\sqrt{3}$	1	±0 %	1
Integration Time	±0 %	R	$\sqrt{3}$	1	±0 %	1
RF Ambient Noise	±1.0 %	R	$\sqrt{3}$	1	±0.6 %	1
RF Ambient Reflections	±1.0 %	R	$\sqrt{3}$	1	±0.6 %	1
Probe Positioner	±0.8 %	R	$\sqrt{3}$	1	±0.5 %	1
Probe Positioning	±6.7 %	R	$\sqrt{3}$	1	±3.9 %	1
Max. SAR Eval.	±2.0 %	R	$\sqrt{3}$	1	±1.2 %	1
Dipole Related						
Deviation of exp. dipole	±5.5 %	R	$\sqrt{3}$	1	±3.2 %	1
Dipole Axis to Liquid Dist.	±2.0 %	R	$\sqrt{3}$	1	±1.2 %	1
Input power & SAR drift	±3.4 %	R	$\sqrt{3}$	1	±2.0 %	1
Phantom and Setup						
Phantom Uncertainty	±4.0 %	R	$\sqrt{3}$	1	±2.3 %	1
SAR correction	±1.9 %	R	$\sqrt{3}$	0.84	±0.9 %	1
Liquid Conductivity (meas.)	±2.5 %	N	1	0.71	±1.8 %	1
Liquid Permittivity (meas.)	±2.5 %	N	1	0.26	±0.7 %	1
Temp. unc. -Conductivity	±1.7 %	R	$\sqrt{3}$	0.71	±0.7 %	1
Temp. unc. -Permittivity	±0.3 %	R	$\sqrt{3}$	0.26	±0.0 %	∞
Combined Std. Uncertainty					±10.1 %	
Expanded STD Uncertainty					±20.1 %	

7. CONDUCTED TEST RESULTS

GSM Conducted Power Measurement Results

Band: GSM850	Burst Average Power (dBm)			Frame Average Power (dBm)		
Channel	128	190	251	128	190	251
Frequency (MHz)	824.2	836.6	848.8	824.2	836.6	848.8
GSM (GMSK, 1 Tx slot)	31.8	31.7	31.6	22.8	22.7	22.6
GPRS/EDGE (GMSK, 1 Tx slot)	31.7	31.8	31.9	22.7	22.8	22.9
GPRS/EDGE (GMSK, 2 Tx slots)	29.6	29.7	29.4	23.6	23.7	23.4

Band: GSM1900	Burst Average Power (dBm)			Frame Average Power (dBm)		
Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM (GMSK, 1 Tx slot)	29.4	29.6	29.5	20.4	20.6	20.5
GPRS/EDGE (GMSK, 1 Tx slot)	29.3	29.2	29.2	20.3	20.2	20.2
GPRS/EDGE (GMSK, 2 Tx slots)	27.6	27.7	27.3	21.6	21.7	21.3

Remark:

1. The EUT do not support DTM function.
2. For Head SAR testing, GSM should be evaluated, therefore the EUT was set in GSM Voice for GSM850 and GSM1900.
3. For Body worn mode SAR testing, GPRS should be evaluated, therefore the EUT was set in GPRS (GMSK, 2 Tx slots) for GSM850 and GSM1900 due to its highest frame-average power.
- 4 The frame-averaged power is linearly calculated from the maximum burst averaged power over 8 time slots.

The calculation method is shown as below:

Frame-averaged power = Maximum burst averaged power (1 Tx slot) - 9 dB

Frame-averaged power = Maximum burst averaged power (2 Tx slots) - 6 dB

Frame-averaged power = Maximum burst averaged power (3 Tx slots) - 4.26 dB

Frame-averaged power = Maximum burst averaged power (4 Tx slots) - 3 dB

WCDMA Conducted Power Measurement Results

Band	WCDMA Band V			WCDMA Band II		
Channel	4,132	4,182	4,233	9,262	9,400	9,538
Frequency (MHz)	826.4	836.4	846.6	1,852.40	1,880.00	1,907.60
RMC 12.2K	24.3	24.3	24.1	24.2	24.3	24
AMR 12.2K	24.3	24.2	24.2	24.1	24.2	24.1
HSDPA Subtest-1	23.6	23.5	23.4	23.5	23.4	23.4
HSDPA Subtest-2	23	22.9	22.9	23.1	23	23
HSDPA Subtest-3	22.7	22.6	22.4	22.8	22.6	22.8
HSDPA Subtest-4	21.9	21.8	21.6	21.9	21.8	21.9
HSUPA Subtest-1	21.9	21.9	21.6	21.8	21.9	21.9
HSUPA Subtest-2	20.6	20.7	20.5	20.8	20.7	20.8
HSUPA Subtest-3	21.3	21.3	21	21.4	21.4	21.4
HSUPA Subtest-4	20.9	20.9	20.6	20.9	20.8	20.9
HSUPA Subtest-5	22.6	22.6	22.3	22.6	22.6	22.7

Remark:

1. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR.
2. If AMR 12.2kbps power is < 0.25dB higher than RMC 12.2kbps, SAR tests with AMR 12.2kbps can be excluded.
3. This device does NOT support DC-HSDPA modes.

WLAN 2.4GHz Band Conducted Power

802.11b Average Power (dBm)					
Channel	Frequency(MHz)	Data Rate (bps)			
		1M bps	2M bps	5.5M bps	11M bps
CH 01	2,412	14.1	13.98	13.93	13.82
CH 06	2,437	14.2	13.46	12.99	13.54
CH 11	2,462	13.9	14.2	13.26	13.8

802.11g Average Power (dBm)									
Channel	Frequency(MHz)	Data Rate (bps)							
		6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
CH 01	2,412	13.3	12.55	12.6	12.52	12.44	12.32	12.1	11.98
CH 06	2,437	13.0	12.81	12.78	12.84	12.89	12.56	12.28	12.13
CH 11	2,462	12.9	12.73	12.68	12.48	12.53	12.43	12.05	11.91

802.11n-HT20 Average Power (dBm)									
Channel	Frequency(MHz)	Data Rate (bps)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 01	2,412	12	11.27	11.24	11.18	11.05	10.83	10.71	10.35
CH 06	2,437	12.3	12.18	12.19	12.03	11.93	11.57	11.48	11.29
CH 11	2,462	12.1	11.89	11.66	11.78	11.65	11.32	11.1	10.73

802.11n-HT40 Average Power (dBm)									
Channel	Frequency(MHz)	Data Rate (bps)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 03	2,422	11.3	11.25	10.82	10.63	9.79	9.24	8.89	8.64
CH 06	2,437	11.5	11.46	11.19	11.04	10.2	9.73	9.41	9.13
CH 09	2,452	11.3	11.31	11.07	10.48	9.71	9.16	8.87	8.73

Remark:

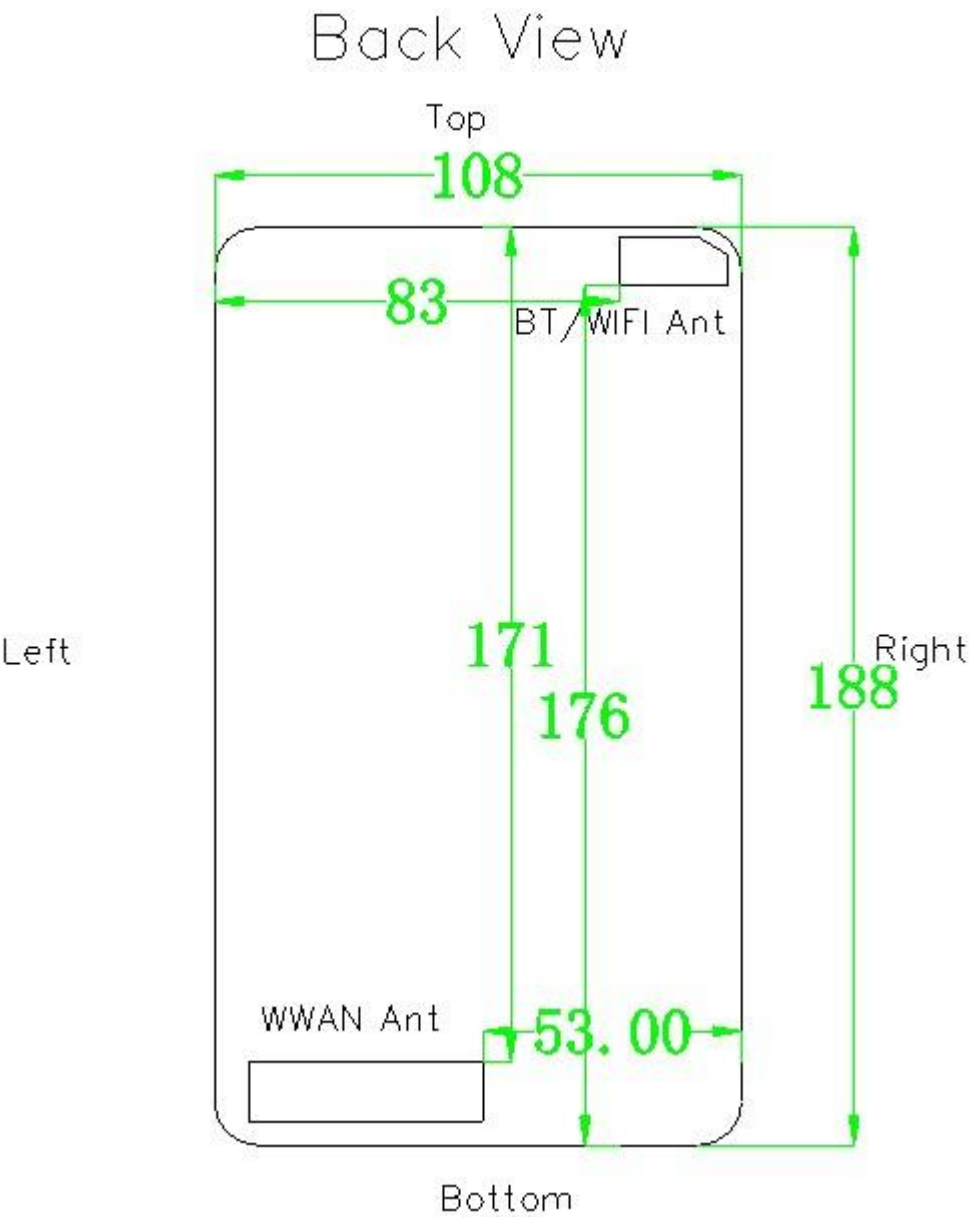
1. Per KDB 248227 D01 v01r02, choose the highest output power channel to test SAR and determine further SAR exclusion
2. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate. 2.4GHz WLAN SAR was tested on 802.11b 1Mbps.
3. Per KDB 248227 D01 v01r02, 11g, 11n-HT20 and 11n-HT40 output power is less than 1/4dB higher than 11b mode, thus the SAR can be excluded.

Bluetooth 2.4GHz Band Conducted Power

Channel	Frequency(MHz)	Average Power (dBm)
CH 0	2,402	5.01
CH 39	2,441	5.12
CH 78	2,480	5.02

8. EXPOSURE POSITIONS CONSIDERATION

Back view



Distance of the Antenna to the EUT surface/edge						
Antennas			Top Side	Bottom Side	Right Side	Left Side
	Back	Front				
WWAN Main	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm	≤ 25mm
Bluetooth & WLAN 2.4GHz Band	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm

Positions for SAR tests; Hotspot mode

			Top Side	Bottom Side	Right Side	Left Side
Antennas	Back	Front				
WWAN Main	Yes	Yes	NO	Yes	NO	Yes
Bluetooth & WLAN 2.4GHz Band	Yes	Yes	Yes	NO	Yes	NO

Remark:

- 1 According to KDB 447498 D01v05, for handsets the test separation distance is typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. Which is 0mm for head SAR, 0mm for body-worn SAR for the DUT.
- 2 For minimum test separation distance $\leq 50\text{mm}$, Bluetooth standalone SAR test exclusion power threshold is determined by: $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
 - $f(\text{GHz})$ is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
 - 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

Exposure Position	Wireless Interface	Bluetooth
	Tune-up Maximum power (dBm)	7
	Tune-up Maximum rated power (mW)	5.01
Head 0mm	Antenna to user (mm)	5
	SAR exclusion threshold (mW)	10
	SAR testing required?	NO
Body 1.5 cm(Body Worn)	Antenna to user (mm)	15
	SAR exclusion threshold (mW)	29
	SAR testing required?	NO
Body 1.0 cm(Body Worn)	Antenna to user (mm)	10
	SAR exclusion threshold (mW)	19
	SAR testing required?	NO

3. 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. Therefore Bluetooth are also not required for 10-g Extremity SAR.

9. SAR TEST RESULTS

Remark:

1. Per KDB 447498 D01v05, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

Scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.

Reported SAR(W/kg)= Measured SAR(W/kg)* Scaling Factor

2. Per KDB 447498 D01v05, for each exposure position, if the mid channel or highest output channel reported SAR ≤ 0.8 W/kg, other channels SAR testing are not necessary

3. Head SAR is required for this device because it has a speaker and microphone positioning that allows for a held to ear configuration usage.

4. There is no proximity sensor controlled power reduction mechanism applied.

5. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA/HSUPA output power is < 0.25dB higher than RMC, and reported SAR with RMC 12.2kbps setting is ≤ 1.2 W/kg, HSDPA/HSUPA SAR evaluation can be excluded.

6. As the product has the voice call function and may be used held next to ear. Head SAR was tested.

7. Next to ear use is considered for this product and phablet evaluation is carried out.

9.1.Head SAR results

Band	Mode	Test Position	Ch.	Freq. (MHz)	Burst Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
GSM850	GSM Voice	Left Cheek	190	836.6	32.7	33	1.072	0.078	0.084
GSM850	GSM Voice	Left Tilted	190	836.6	32.7	33	1.072	0.035	0.038
GSM850	GSM Voice	Right Cheek	190	836.6	32.7	33	1.072	0.073	0.078
GSM850	GSM Voice	Right Tilted	190	836.6	32.7	33	1.072	0.035	0.038

Band	Mode	Test Position	Ch.	Freq. (MHz)	Burst Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
GSM1900	GSM Voice	Left Cheek	700	1880	29.6	30	1.096	0.00954	0.010
GSM1900	GSM Voice	Left Tilted	700	1880	29.6	30	1.096	0.00816	0.009
GSM1900	GSM Voice	Right Cheek	700	1880	29.6	30	1.096	0.031	0.034
GSM1900	GSM Voice	Right Tilted	700	1880	29.6	30	1.096	0.0061	0.007

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WCDMA850	RMC12.2	Left Cheek	4182	836.4	24.3	24.5	1.047	0.065	0.068
WCDMA850	RMC12.2	Left Tilted	4182	836.4	24.3	24.5	1.047	0.034	0.036

WCDMA850	RMC12.2	Right Cheek	4182	836.4	24.3	24.5	1.047	0.059	0.062
WCDMA850	RMC12.2	Right Tilted	4182	836.4	24.3	24.5	1.047	0.034	0.036

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WCDMA1900	RMC12.2	Left Cheek	9400	1880	24.3	24.5	1.047	0.076	0.080
WCDMA1900	RMC12.2	Left Tilted	9400	1880	24.3	24.5	1.047	0.041	0.043
WCDMA1900	RMC12.2	Right Cheek	9400	1880	24.3	24.5	1.047	0.105	0.110
WCDMA1900	RMC12.2	Right Tilted	9400	1880	24.3	24.5	1.047	0.031	0.032

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WIFI 2.4G	11b	Left Cheek	6	2437	14.2	15	1.202	0.013	0.016
WIFI 2.4G	11b	Left Tilted	6	2437	14.2	15	1.202	0.017	0.020
WIFI 2.4G	11b	Right Cheek	6	2437	14.2	15	1.202	0.021	0.025
WIFI 2.4G	11b	Right Tilted	6	2437	14.2	15	1.202	0.027	0.032

9.2.Body SAR results

Remark:

1. As per KDB 447498 clause 4 (5), The test separation distances required for a device to demonstrate SAR or MPE compliance must be sufficiently conservative to support the operational separation distances required by the device and its antennas and radiating structures. Body SAR test distance of 0mm is selected.
2. As 0mm body SAR were measured, 0mm SAR is also used to cover the hotspot SAR test requirements.

Distance 0mm

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
GSM850	GPRS (GMSK, 2 Tx slots)	Front 0mm	190	836.6	29.7	30	1.072	0.103	0.110
GSM850	GPRS (GMSK, 2 Tx slots)	Back 0mm	190	836.6	29.7	30	1.072	0.214	0.229
GSM850	GPRS (GMSK, 2 Tx slots)	Left Side 0mm	190	836.6	29.7	30	1.072	0.016	0.017
GSM850	GPRS (GMSK, 2 Tx slots)	Bottom Side 0mm	190	836.6	29.7	30	1.072	0.015	0.016
GSM1900	GPRS (GMSK, 2 Tx slots)	Front 0mm	700	1880.0	27.7	28	1.072	0.033	0.035
GSM1900	GPRS (GMSK, 2 Tx slots)	Back 0mm	700	1880.0	27.7	28	1.072	0.104	0.111
GSM1900	GPRS (GMSK, 2 Tx slots)	Left Side 0mm	700	1880.0	27.7	28	1.072	0.043	0.046
GSM1900	GPRS (GMSK, 2 Tx slots)	Bottom Side 0mm	700	1880.0	27.7	28	1.072	0.044	0.047

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measure d 1g SAR (W/kg)	Reported 1g SAR (W/kg)
WCDMA850	RMC12.2	Front 0mm	4182	836.4	24.3	24.5	1.047	0.212	0.222
WCDMA850	RMC12.2	Back 0mm	4182	836.4	24.3	24.5	1.047	0.481	0.504
WCDMA850	RMC12.2	Left Side 0mm	4182	836.4	24.3	24.5	1.047	0.054	0.057
WCDMA850	RMC12.2	Bottom Side 0mm	4182	836.4	24.3	24.5	1.047	0.077	0.081
WCDMA1900	RMC12.2	Front 0mm	9400	1880	24.3	24.5	1.047	0.212	0.222
WCDMA1900	RMC12.2	Back 0mm	9400	1880	24.3	24.5	1.047	0.296	0.310
WCDMA1900	RMC12.2	Left Side 0mm	9400	1880	24.3	24.5	1.047	0.032	0.034
WCDMA1900	RMC12.2	Bottom Side 0mm	9400	1880	24.3	24.5	1.047	0.032	0.034
WIFI 2.4G	11b	Front 0mm	6	2437	14.2	15	1.202	0.024	0.029
WIFI 2.4G	11b	Back 0mm	6	2437	14.2	15	1.202	0.034	0.041
WIFI 2.4G	11b	Right Side 0mm	6	2437	14.2	15	1.202	0.030	0.036
WIFI 2.4G	11b	Top Side 0mm	6	2437	14.2	15	1.202	0.028	0.034

9.3.Extremity SAR

Remark: The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR. Below table list the 10g extremity SAR result.

Distance 0mm

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measure d 10g SAR (W/kg)	Reported 10g SAR (W/kg)
GSM850	GPRS (GMSK, 2 Tx slots)	Front 0mm	190	836.6	29.7	30	1.072	0.076	0.081
GSM850	GPRS (GMSK, 2 Tx slots)	Back 0mm	190	836.6	29.7	30	1.072	0.144	0.154
GSM850	GPRS (GMSK, 2 Tx slots)	Left Side 0mm	190	836.6	29.7	30	1.072	0.012	0.013
GSM850	GPRS (GMSK, 2 Tx slots)	Bottom Side 0mm	190	836.6	29.7	30	1.072	0.012	0.013
GSM1900	GPRS (GMSK, 2 Tx slots)	Front 0mm	700	1880.0	27.7	28	1.072	0.020	0.021
GSM1900	GPRS (GMSK, 2 Tx slots)	Back 0mm	700	1880.0	27.7	28	1.072	0.061	0.065
GSM1900	GPRS (GMSK, 2 Tx slots)	Left Side 0mm	700	1880.0	27.7	28	1.072	0.027	0.029
GSM1900	GPRS (GMSK, 2 Tx slots)	Bottom Side 0mm	700	1880.0	27.7	28	1.072	0.027	0.029

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
WCDMA850	RMC12.2	Front 0mm	4182	836.4	24.3	24.5	1.047	0.143	0.150
WCDMA850	RMC12.2	Back 0mm	4182	836.4	24.3	24.5	1.047	0.298	0.312
WCDMA850	RMC12.2	Left Side 0mm	4182	836.4	24.3	24.5	1.047	0.031	0.032
WCDMA850	RMC12.2	Bottom Side 0mm	4182	836.4	24.3	24.5	1.047	0.041	0.043
WCDMA1900	RMC12.2	Front 0mm	9400	1880	24.3	24.5	1.047	0.128	0.134
WCDMA1900	RMC12.2	Back 0mm	9400	1880	24.3	24.5	1.047	0.160	0.168
WCDMA1900	RMC12.2	Left Side 0mm	9400	1880	24.3	24.5	1.047	0.020	0.021
WCDMA1900	RMC12.2	Bottom Side 0mm	9400	1880	24.3	24.5	1.047	0.020	0.021
WIFI 2.4G	11b	Front 0mm	6	2437	14.2	15	1.202	0.010	0.012
WIFI 2.4G	11b	Back 0mm	6	2437	14.2	15	1.202	0.018	0.022
WIFI 2.4G	11b	Right Side 0mm	6	2437	14.2	15	1.202	0.013	0.016
WIFI 2.4G	11b	Top Side 0mm	6	2437	14.2	15	1.202	0.011	0.013

9.4.Repeated SAR results

Remark:

1 According to KDB 865664 D01v01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.

2 KDB 865664 D01v01, if the deviation among the repeated measurement is $\leq 20\%$ and the measured SAR $<1.45\text{W/kg}$, only one repeated measurement is required.

3 The variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)	Ratio
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--										

10. SIMULTANEOUS TRANSMISSION SAR ANALYSIS

	Position	Applicable Combination
Simultaneous Transmission	Head	WWAN + WLAN 2.4GHz Band
		WWAN + Bluetooth
	Hotspot	WWAN + WLAN 2.4GHz Band
		WWAN + Bluetooth
	Body-worn	WWAN + WLAN 2.4GHz Band
		WWAN + Bluetooth

Remark:

1 GSM/WCDMA share the same antenna, and cannot transmit simultaneously

2 The reported SAR summation is calculated based on the same configuration and test position.

3 Bluetooth SAR is estimated per KDB 447498 D01v05 based on the formula below.

i) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})/x}] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$; where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

ii) 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the test separation distances is $> 50 \text{ mm}$.

Body 15mm

Wireless Interface	Bluetooth
Tune-up Maximum power (dBm)	7
Rounded Power in mW	5
Distance mm	15
Frequency GHz	2.45
Estimated 1g SAR for simultaneous transmission analysis	0.07
Estimated 10g SAR for simultaneous transmission analysis	0.027

Body 10mm

Wireless Interface	Bluetooth
Tune-up Maximum power (dBm)	7
Rounded Power in mW	5
Distance mm	10
Frequency GHz	2.45

Head 0mm	Estimated 1g SAR for simultaneous transmission analysis	0.105
	Estimated 10g SAR for simultaneous transmission analysis	0.041
	Wireless Interface	Bluetooth
	Tune-up Maximum power (dBm)	7
	Rounded Power in mW	5
	Distance mm	5
	Frequency GHz	2.45
	Estimated 1g SAR for simultaneous transmission analysis	0.209
	Estimated 10g SAR for simultaneous transmission analysis	0.083

5 According to KDB 447498 D01v05, simultaneous transmission SAR is compliant if,

(i) Scalar SAR summation $< 1.6\text{W/kg}$.

(ii) $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.

If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

(iii) Simultaneously transmission SAR measurement, and the reported multi-band SAR $< 1.6\text{W/kg}$.

Simultaneously transmission Analysis of the highest reported 1g SAR

Head

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1g SAR (W/kg)	Estimated Bluetooth SAR (W/kg)		$\text{SPLSR} \leq 0.04$	
Right Cheek	WCDMA1900	0.110	0.209	0.32	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1g SAR (W/kg)	Max DTSSAR (W/kg)		$\text{SPLSR} \leq 0.04$	
Right Cheek	WCDMA1900	0.110	0.032	0.14	-	Excluded

Body 0mm

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1g SAR (W/kg)	Estimated Bluetooth SAR (W/kg)			
Back	WCDMA850	0.504	0.209	0.713	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1g SAR (W/kg)	Max DTSSAR (W/kg)			
Back	WCDMA850	0.504	0.042	0.55	-	Excluded

Body 10mm hotspot

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1g SAR (W/kg)	Estimated Bluetooth SAR (W/kg)			
Back	WCDMA850	0.504	0.209	0.713	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 1gSAR (W/kg)	Max DTSSAR (W/kg)			
Back	WCDMA850	0.504	0.042	0.55	-	Excluded

Simultaneously transmission Analysis of the highest reported 10g SAR

Body 0mm

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 10g SAR (W/kg)	Estimated Bluetooth SAR (W/kg)			
Back	WCDMA850	0.312	0.083	0.395	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 10g SAR (W/kg)	Max DTSSAR (W/kg)			
Back	WCDMA850	0.312	0.022	0.334	-	Excluded

Body 10mm hotspot

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)	SPLSR≤ 0.04	Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 10g SAR (W/kg)	Estimated Bluetooth SAR (W/kg)			
Back	WCDMA850	0.312	0.083	0.395	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN 10g SAR (W/kg)	Max DTSSAR (W/kg)		SPLSR≤ 0.04	
Back	WCDMA850	0.312	0.022	0.334	-	Excluded

APPENDIX A: SYSTEM CHECKING SCANS

SystemPerformanceCheck-D835 Head

Date: 2013.09.28

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d141

Communication System: CW; Communication System Band: Not Specified; Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 43.0$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2012.10.24.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=15mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 52.180V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.50 mW/g

Maximum value of SAR (interpolated) = 2.55 mW/g

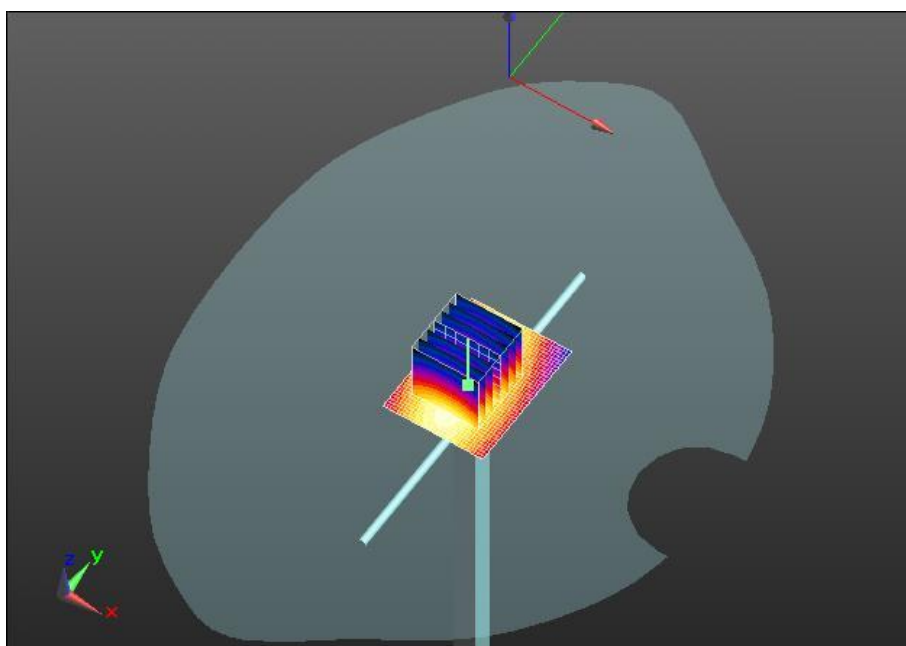
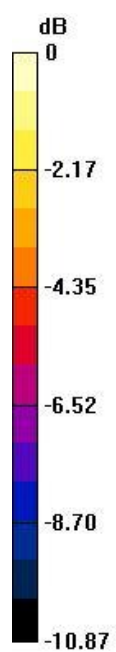
Configuration/d=15mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.180V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.506

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (measured) = 2.56 mW/g



$$0 \text{ dB} = 2.55 \text{ mW/g} = 8.13 \text{ dB mW/g}$$

SystemPerformanceCheck-D835 Body

Date: 2013.09.28

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 – SN:4d141

Communication System: CW; Communication System Band: Not Specified; Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19–2007)

DASY5 Configuration:

- Probe: ES3DV3 – SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2012.10.24.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=15mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 47.256V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 2.30 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (interpolated) = 2.61 mW/g

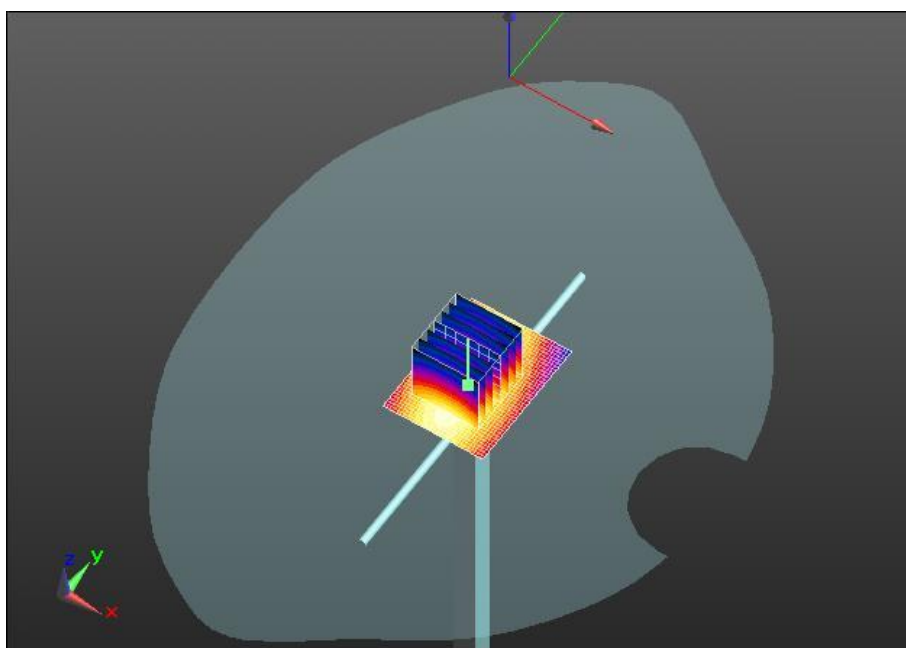
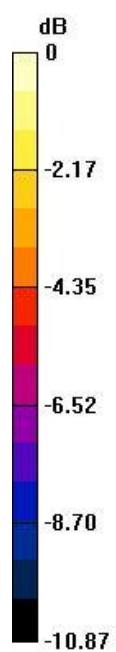
Configuration/d=15mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.256V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.614

SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.54 mW/g

Maximum value of SAR (measured) = 2.62 mW/g



$$0 \text{ dB} = 2.61 \text{ mW/g} = 8.33 \text{ dB mW/g}$$

SystemPerformanceCheck-D1900 Head

Date: 2013.09.29

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d162

Communication System: CW; Communication System Band: Not Specified; Frequency: 1900 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2012.10.12.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASYS2, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 92.883V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 9.98 mW/g; SAR(10 g) = 5.29 mW/g

Maximum value of SAR (interpolated) = 11.0 mW/g

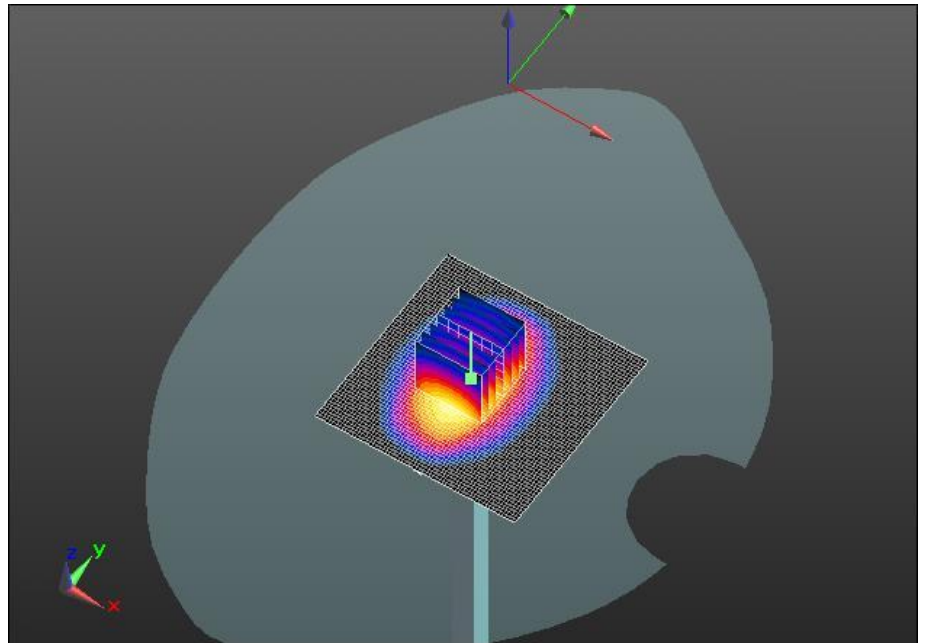
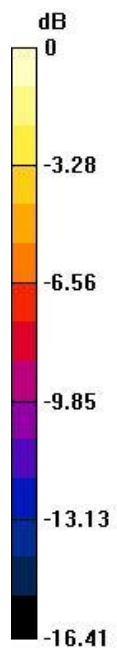
Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.883V/m; Power Drift = -0.06dB

Peak SAR (extrapolated) = 17.921 W/kg

SAR(1 g) = 9.90 mW/g; SAR(10 g) = 5.24 mW/g

Maximum value of SAR (measured) = 10.9 mW/g



0 dB = 11.0mW/g = 20.82 dB mW/g

SystemPerformanceCheck-D1900 Body

Date 2013.09.29.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d162

Communication System: CW; Communication System Band: Not Specified; Frequency: 1900 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2012.10.12.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASYS2, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 85.329V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 9.90 mW/g; SAR(10 g) = 4.58 mW/g

Maximum value of SAR (interpolated) = 11.6 mW/g

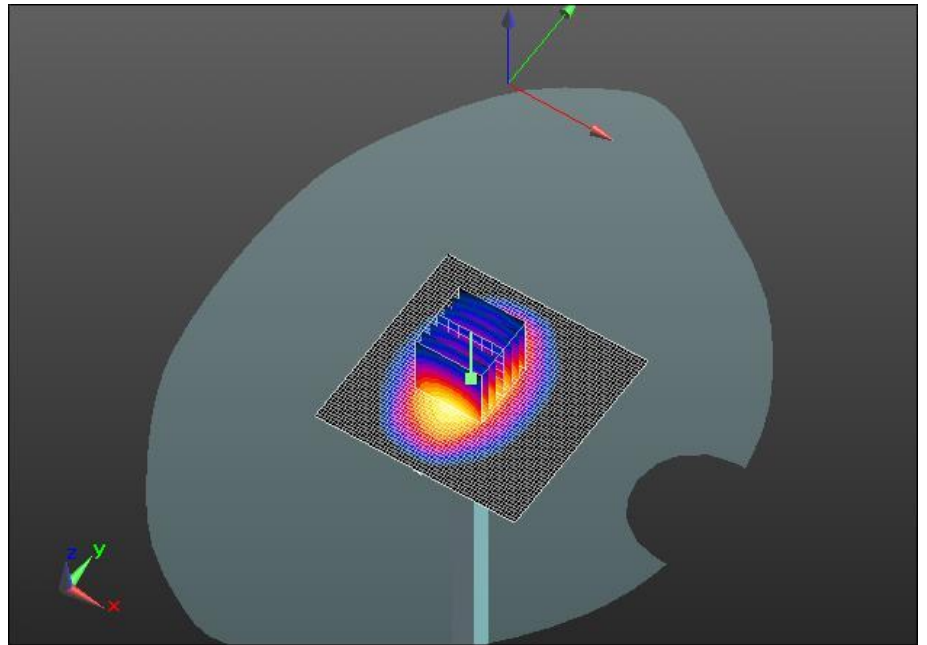
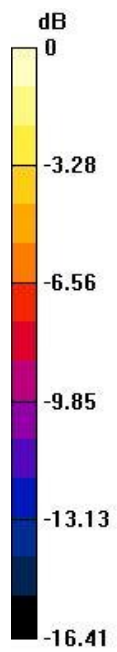
Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.589V/m; Power Drift = -0.04dB

Peak SAR (extrapolated) = 16.72 W/kg

SAR(1 g) = 9.82 mW/g; SAR(10 g) = 4.55 mW/g

Maximum value of SAR (measured) = 11.7 mW/g



$$0 \text{ dB} = 11.6 \text{ mW/g} = 21.28 \text{ dB mW/g}$$

SystemPerformanceCheck-D2450 Head

Date: 2013.09.30

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:818

Communication System: CW; Communication System Band: Not Specified; Frequency: 2450 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: ES3DV3 - SN3203; ConvF(4.28, 4.28, 4.28); Calibrated: 2012.10.12.

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn876; Calibrated: 2012.09.28.

Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504

Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 93.055V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 12.2 mW/g; SAR(10 g) = 5.93 mW/g

Maximum value of SAR (interpolated) = 14.0 mW/g

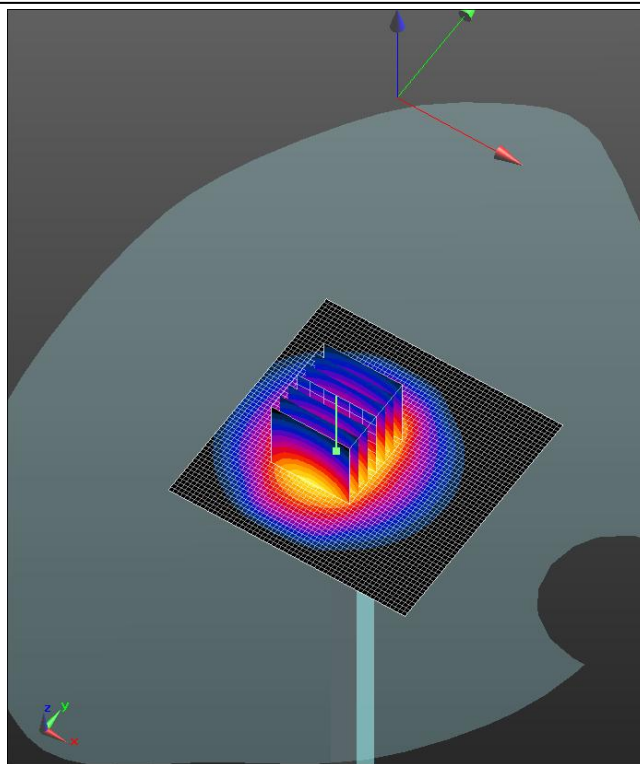
Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.055 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 25.964 W/kg

SAR(1 g) = 12.3 mW/g; SAR(10 g) = 5.82 mW/g

Maximum value of SAR (measured) = 14.7 mW/g



0 dB = 14.9mW/g = 23.46 dB mW/g

SystemPerformanceCheck-D2450 Body

Date: 2013.09.30.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:818

Communication System: CW; Communication System Band: Not Specified; Frequency: 2450 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2450$ MHz; $\sigma = 2.00$ mho/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: ES3DV3 - SN3203; ConvF(4.28, 4.28, 4.28); Calibrated: 2012.10.18.

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn876; Calibrated: 2012.09.28.

Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504

Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 16.9 mW/g

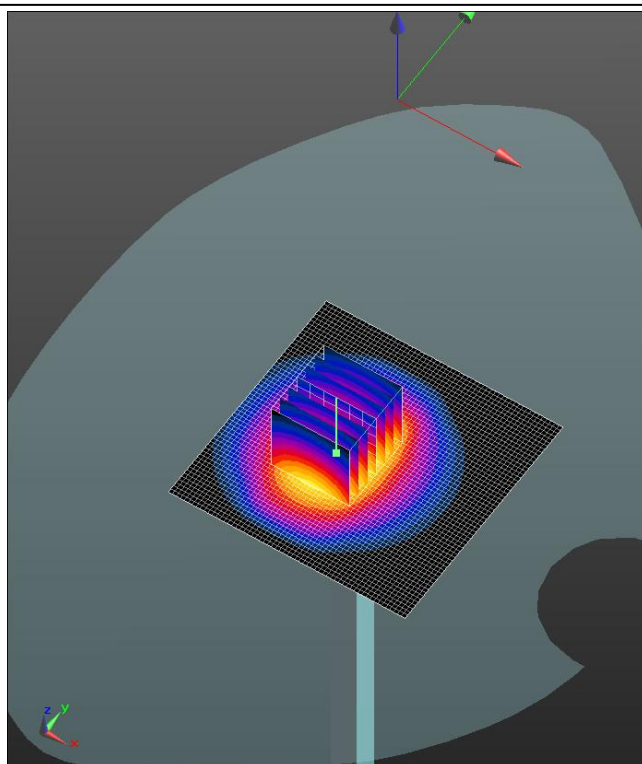
Configuration/d=10mm, Pin=250mW, dist=3.4mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 25.7 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.03 mW/g

Maximum value of SAR (measured) = 16.3 mW/g



APPENDIX B: MEASUREMENT SCANS

APPENDIX B: System Validation

Per KDB 865664 D02v01, SAR system validation status should be documented to confirm measurement accuracy. SAR measurement systems are validated according to procedures in KDB 865664 D01v01. The validation status is documented according to the validation date(s), measurement frequencies, SAR probe and tissue dielectric parameters. When multiple SAR system is used, the validation status of each SAR system is needed to be documented separately according to the associated system components.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probe and tissue dielectric parameters are shown as below.

Date	Probe S/N	Tested Freq MHz	Tissue	CW			Mod. Validation		
				Sensitivity	Linearity	Isotropy	Mod	Duty Factor	Peak to Average Power Ratio
2013-09-28	3203	1800	Head	Pass	Pass	Pass	GMSK	Pass	N/A
2013-09-28	3203	1800	Body	Pass	Pass	Pass	GMSK	Pass	N/A
2013-09-29	3203	900	Head	Pass	Pass	Pass	GMSK	Pass	N/A
2013-09-29	3203	900	Body	Pass	Pass	Pass	GMSK	Pass	N/A
2013-09-29	2450	900	Head	Pass	Pass	Pass	OFDM	N/A	N/A
2013-09-29	2450	900	Body	Pass	Pass	Pass	OFDM	N/A	N/A

APPENDIX C: SAR Plots

GT-7325 GSM850 Head Left Cheek Mid

Date: 2013.09.28

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Left Cheek-Mid; Communication System Band: GSM 850 (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 7.78 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 40.559$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GSM 850 Left cheek/Mid/Area Scan (51x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.053 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0826 W/kg

GSM 850 Left cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

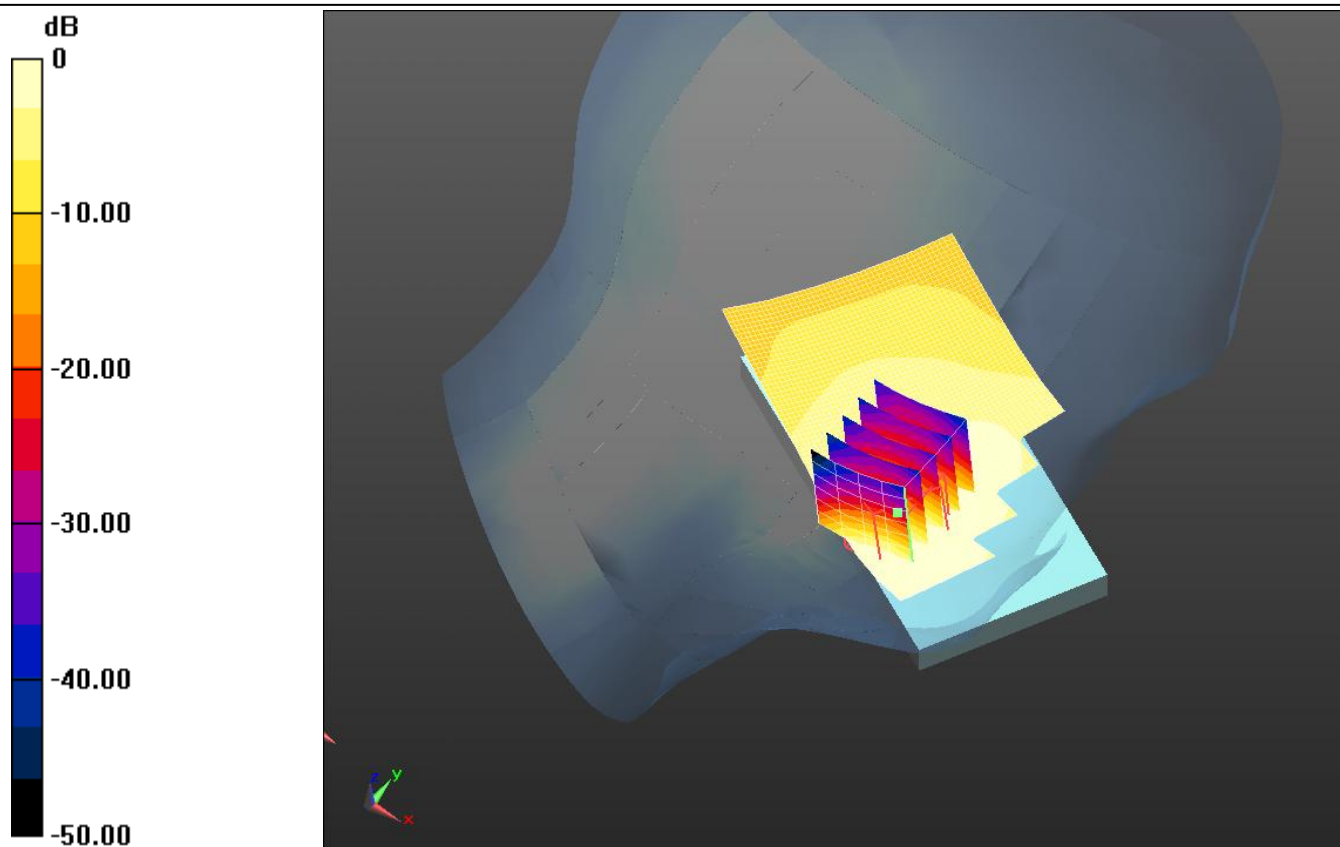
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.092 mW/g

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.060 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0813 W/kg



0 dB = 0.0826 W/kg = -21.66 dB W/kg

GT-7325 GSM850 Head Left Tilted Mid

Date: 2013.09.28

DUT: Claro; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 – 849.0 MHz)

Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 40.559$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GSM 850_Left Tilted/Mid/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.024 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0360 W/kg

GSM 850_Left Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

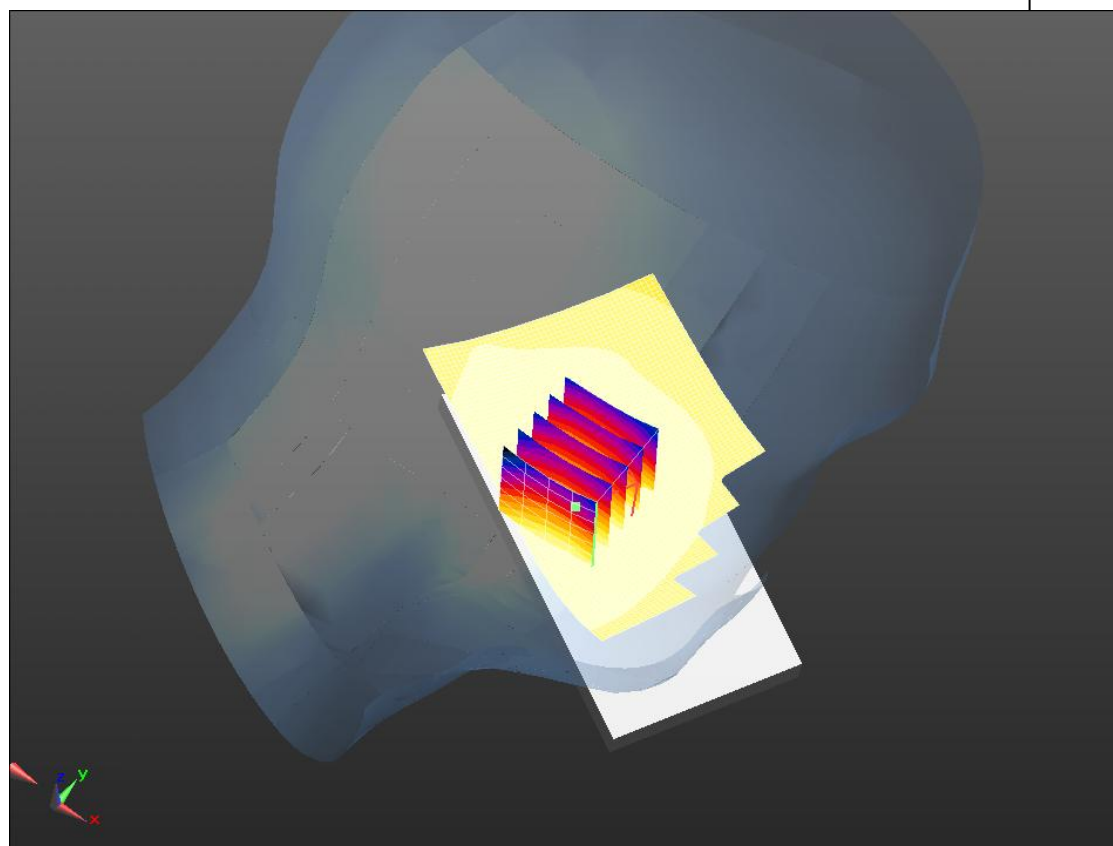
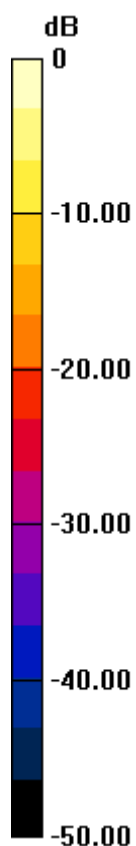
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.039 mW/g

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.029 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0358 W/kg



0 dB = 0.0360 W/kg = -28.88 dB W/kg

GT-7325 GSM850 Head Right Tilted Mid

Date: 2013.09.28

DUT: CLARO; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 – 849.0 MHz);
Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 40.559$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19–2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GSM 850_Right_Tilted/Mid/Area Scan (51x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.025 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0374 W/kg

GSM 850_Right_Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

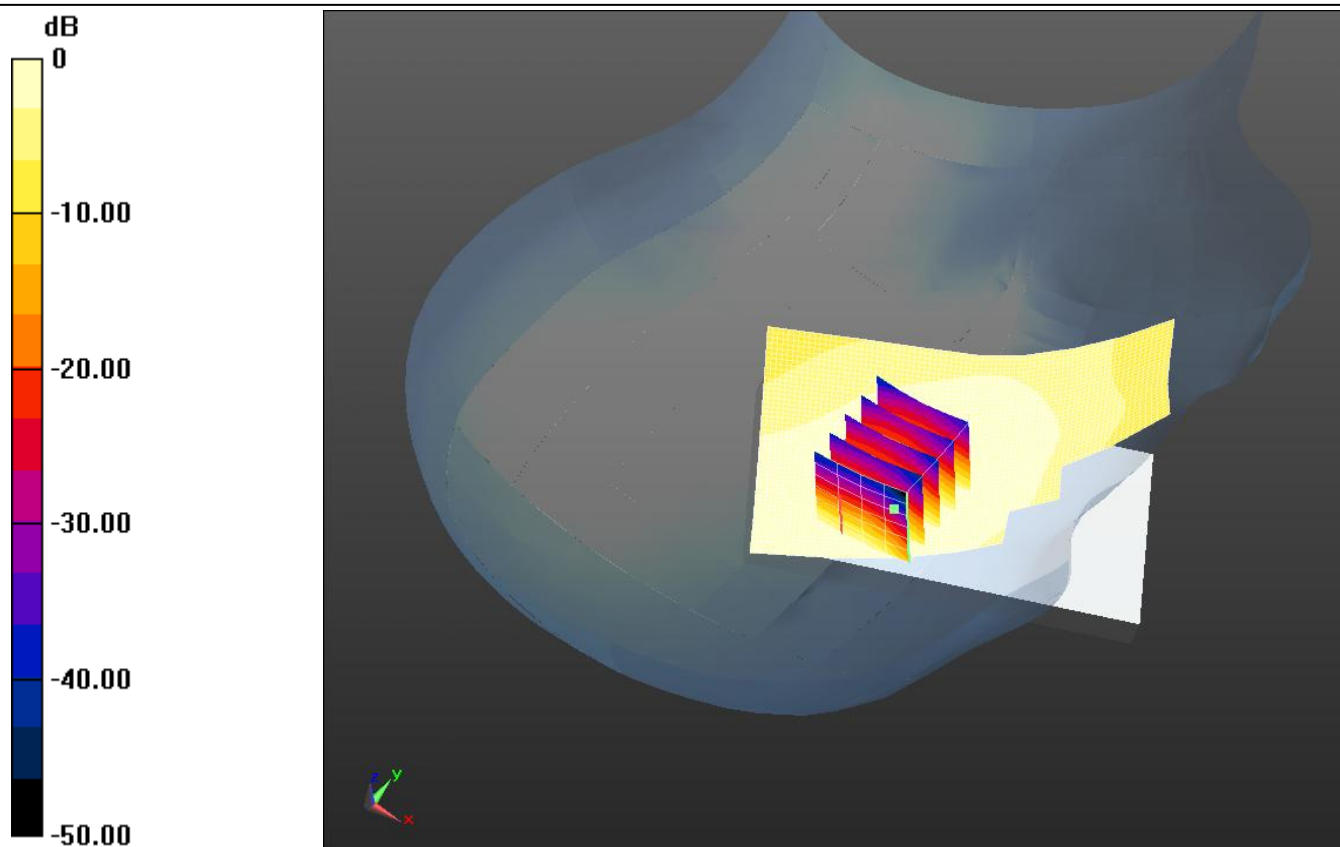
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.043 mW/g

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.029 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0369 W/kg



0 dB = 0.0374 W/kg = -28.53 dB W/kg

GT-7325 GSM850 Head Right Cheek Mid

Date: 2013.09.28

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 – 849.0 MHz)

Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 40.559$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GSM 850_Right Cheek/Mid/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.052 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0801 W/kg

GSM 850_Right Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

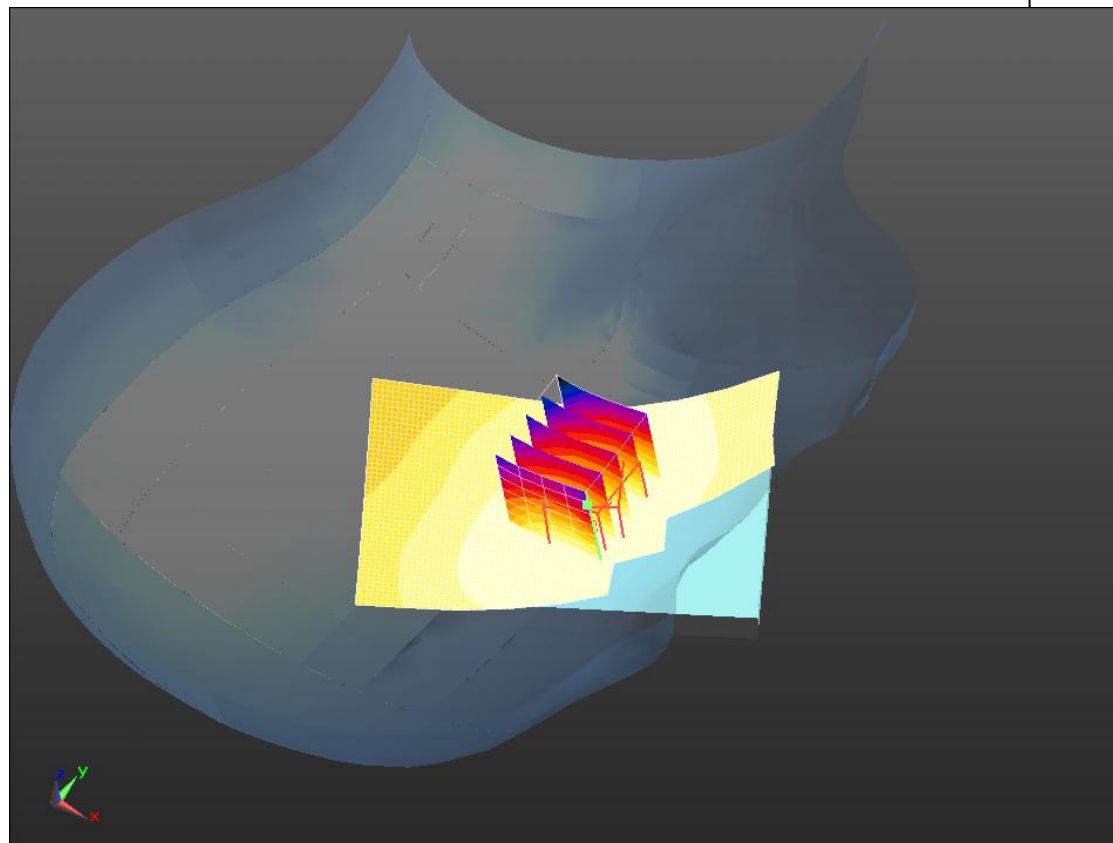
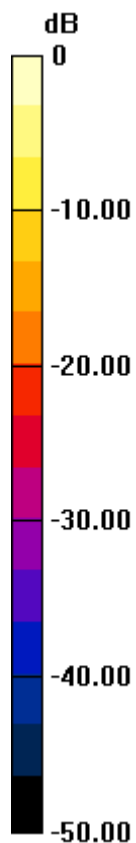
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.085 mW/g

SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.060 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0754 W/kg



0 dB = 0.0801 W/kg = -21.93 dB W/kg

GT-7325 GPRS850 Body Front Mid

Date: 2013.09.28

DUT: sq35; Type: Sample; Serial: IMEI Number

Communication System: GPRS FDD(TDMA, GSMK); Communication System Band: GSM 850 (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 7 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19–2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GPRS 850_Faceup/Mid/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.072 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.107 W/kg

GPRS 850_Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

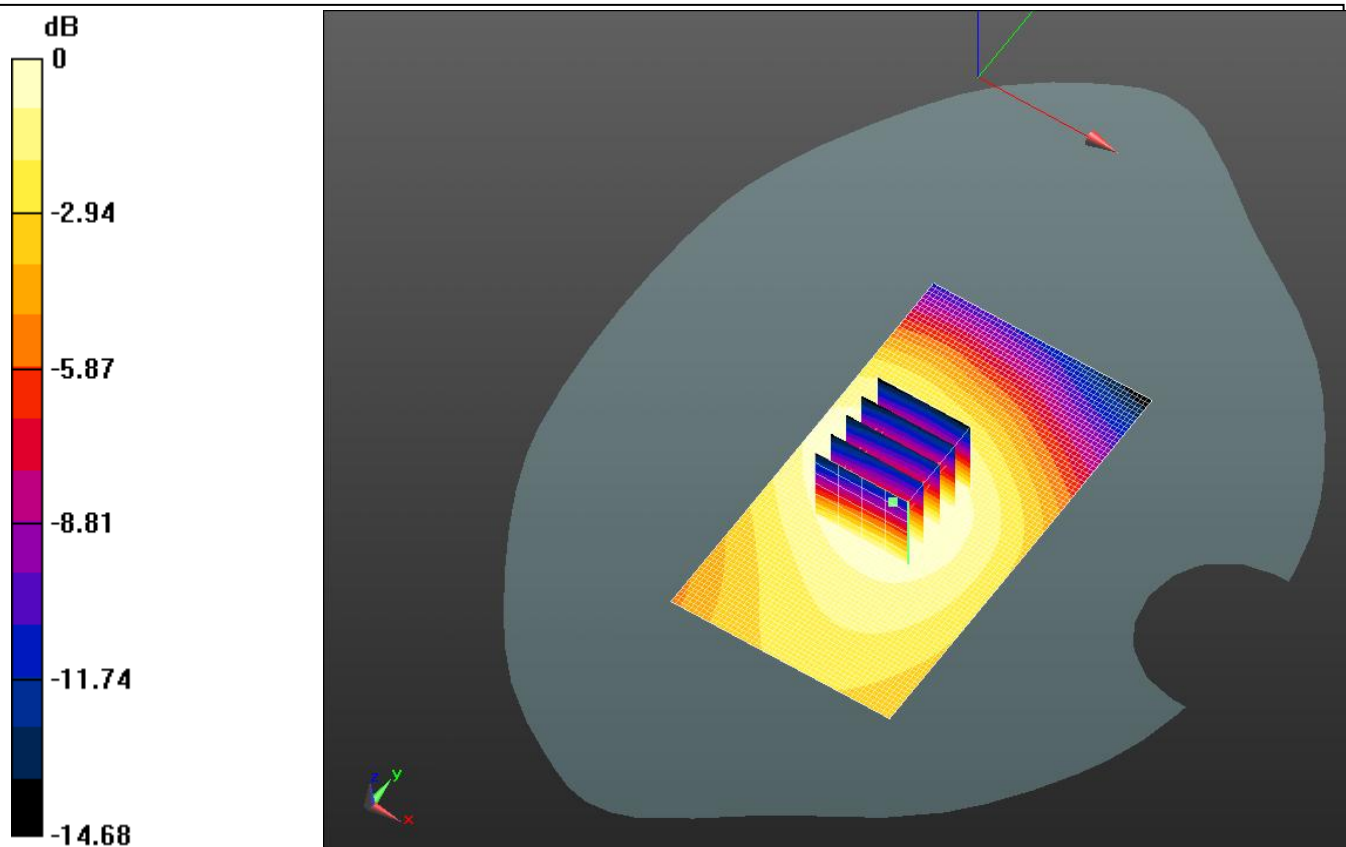
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.132 mW/g

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.076 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.109 W/kg



0 dB = 0.107 W/kg = -19.41 dB W/kg

GT-7325 GPRS850 Body Back Mid

Date: 2013.09.28

DUT: DUT Sample-2; Type: Sample; Serial: IMEI Number

Communication System: GPRS FDD(TDMA, GSMK); Communication System Band: GSM 850 (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 7 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GPRS 850_Facedown/Mid/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.137 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.218 W/kg

GPRS 850_Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

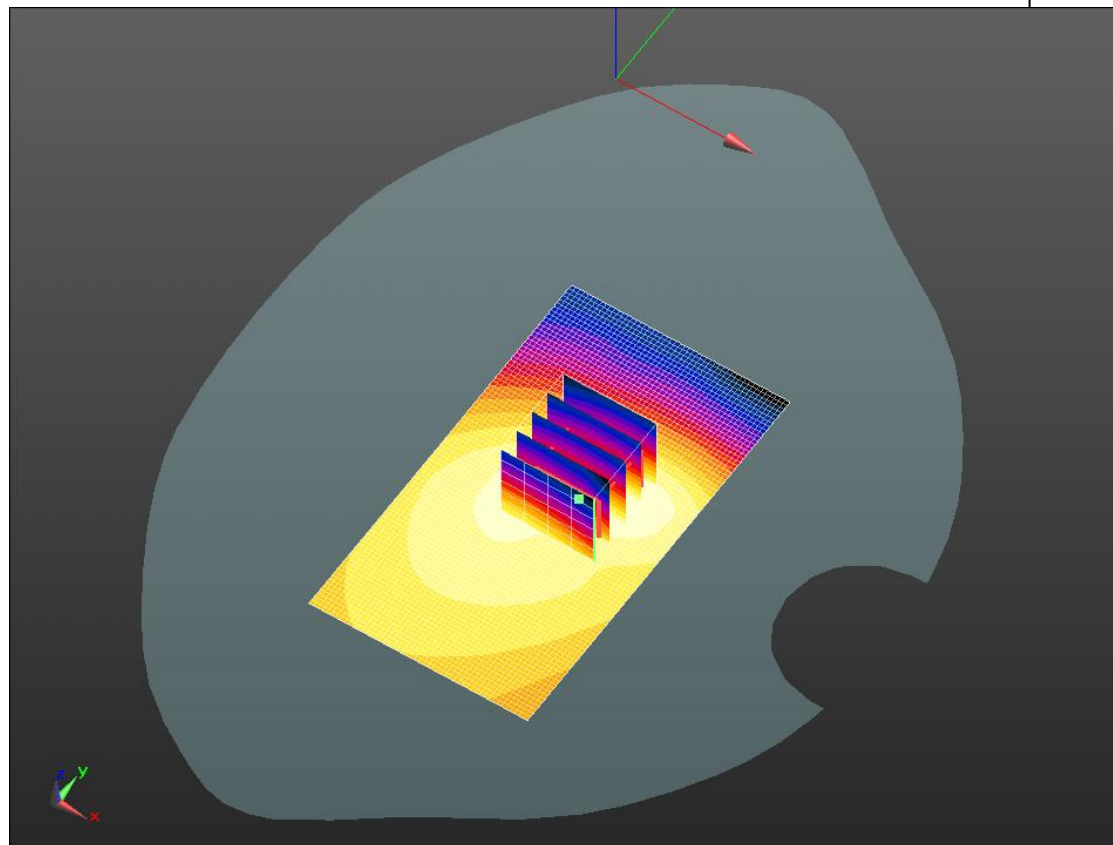
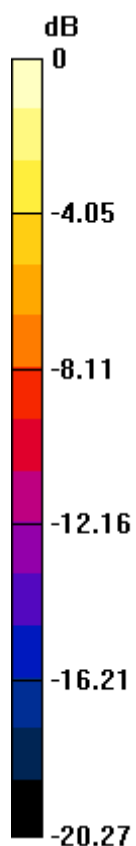
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.300 mW/g

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.144 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.218 W/kg = -13.21 dB W/kg

GT-7325 GPRS850 Body Left Side

Date: 2013.09.28

DUT: DUT Sample-2; Type: Sample; Serial: IMEI Number

Communication System: GSM 850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GPRS 850_Left_edge/Mid/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.012 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0195 W/kg

GPRS 850_Left_edge/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

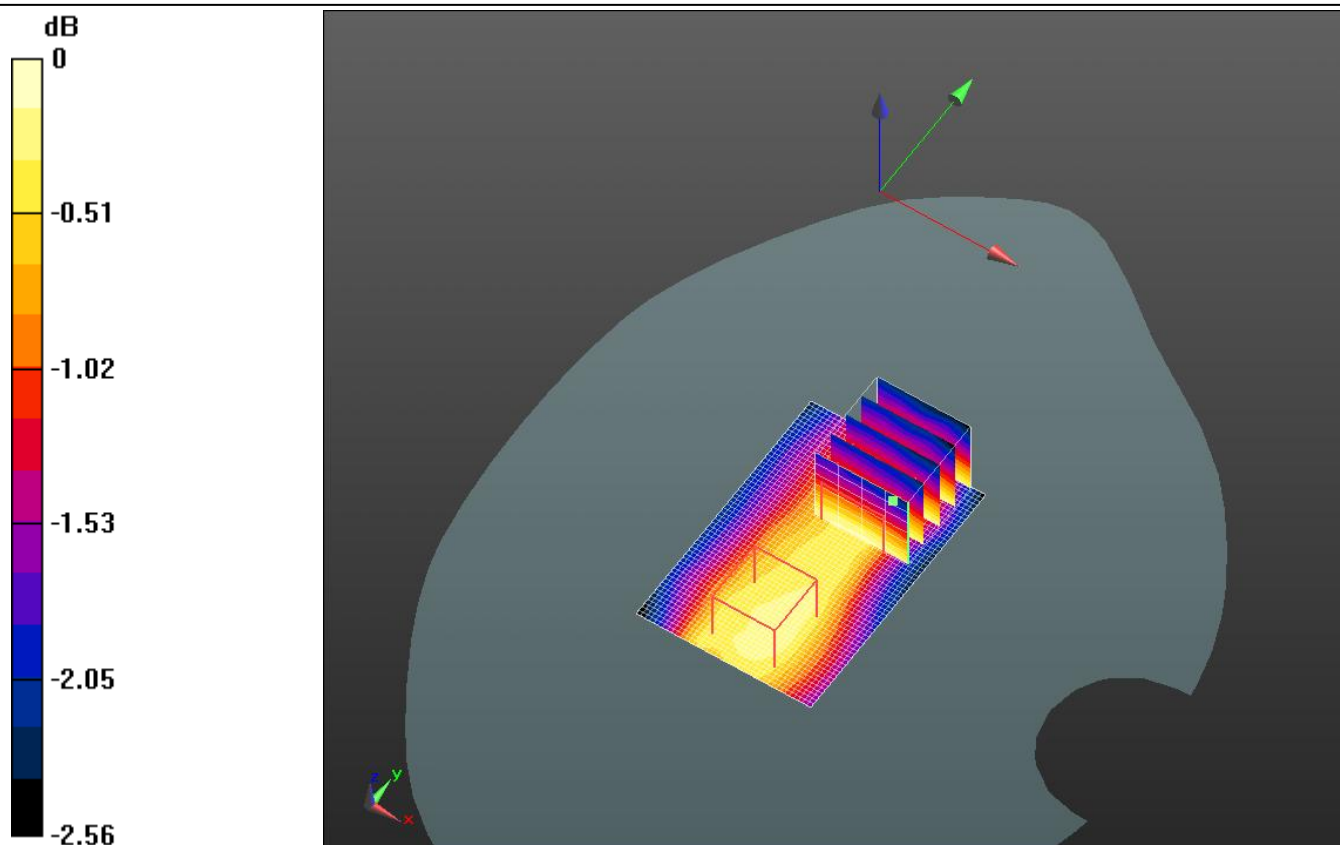
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.021 mW/g

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.012 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0167 W/kg



0 dB = 0.0195 W/kg = -34.21 dB W/kg

GT-7325 GPRS850 Body Bottom Side

Date: 2013.09.28

DUT: KT1000; Type: Sample; Serial: IMEI Number

Communication System: GSM 850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.09, 6.09, 6.09); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

GPRS 850_Bottom/Mid/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.011 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0163 W/kg

GPRS 850_Bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

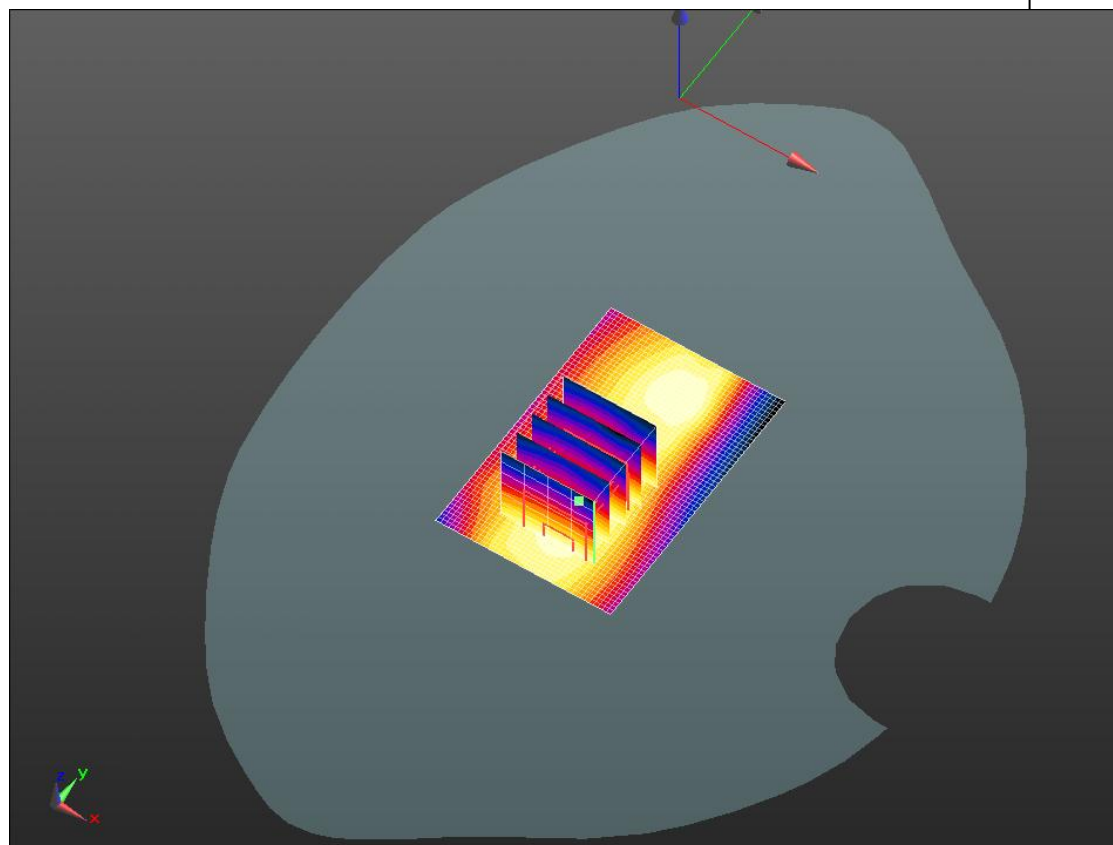
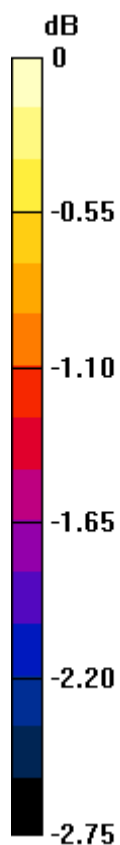
Reference Value = 4.141 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.020 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.012 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0162 W/kg



0 dB = 0.0163 W/kg = -35.77 dB W/kg

GT-7325 GSM1900 Head Left Cheek Mid

Date: 2013.09.29

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_Left GSM Head/1900 GSM Cheek-Mid/Area Scan (51x91x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 1.752 V/m; Power Drift = 1.75 dB

Fast SAR: SAR(1 g) = 0.00878 mW/g; SAR(10 g) = 0.00527 mW/g

Maximum value of SAR (interpolated) = 0.00998 W/kg

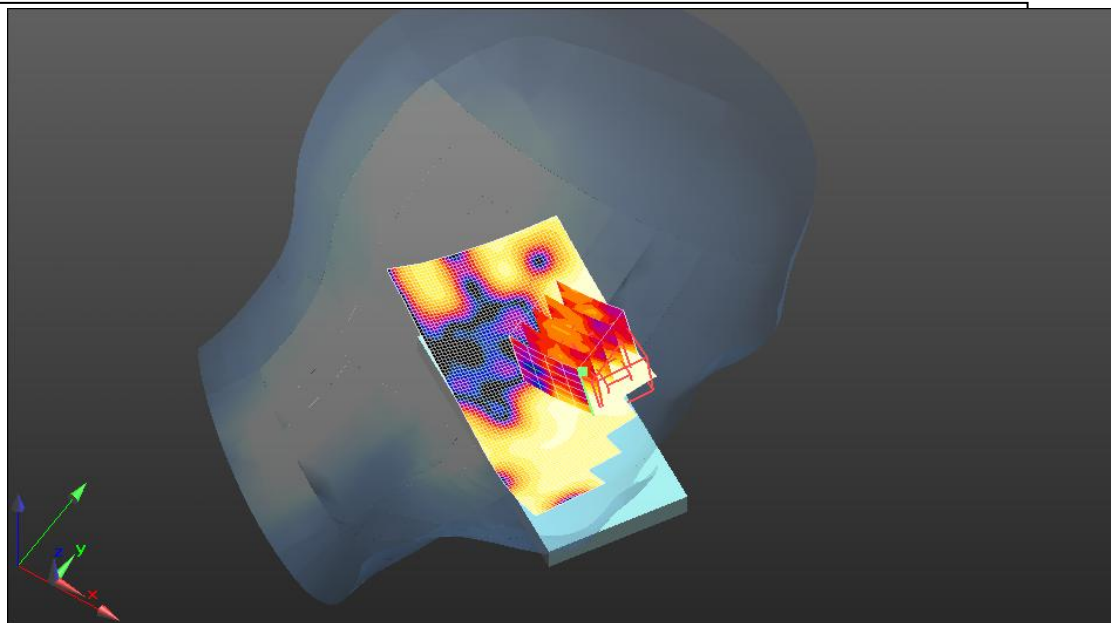
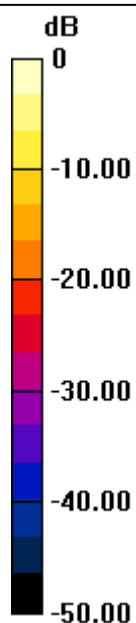
1900_Left GSM Head/1900 GSM Cheek-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.752 V/m; Power Drift = 1.75 dB

Peak SAR (extrapolated) = 0.017 mW/g

SAR(1 g) = 0.00954 mW/g; SAR(10 g) = 0.00585 mW/g

Maximum value of SAR (measured) = 0.0104 W/kg



0 dB = 0.00998 W/kg = -40.02 dB W/kg

GT-7325 GSM1900 Head Left Tilted Mid

Date: 2013.09.29

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_Left GSM Head/1900GSM Tilted2-Mid/Area Scan (51x91x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 1.293 V/m; Power Drift = -1.07 dB

Fast SAR: SAR(1 g) = 0.00727 mW/g; SAR(10 g) = 0.00452 mW/g

Maximum value of SAR (interpolated) = 0.00774 W/kg

1900_Left GSM Head/1900GSM Tilted2-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement

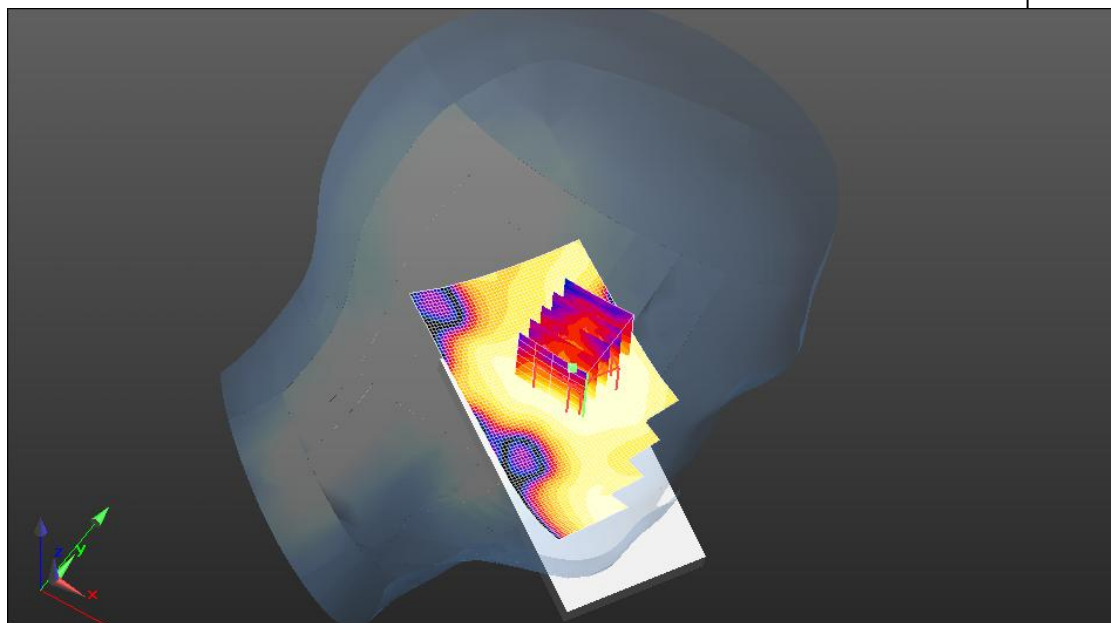
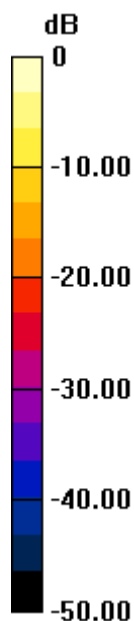
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.293 V/m; Power Drift = -1.07 dB

Peak SAR (extrapolated) = 0.012 mW/g

SAR(1 g) = 0.00816 mW/g; SAR(10 g) = 0.00509 mW/g

Maximum value of SAR (measured) = 0.00866 W/kg



0 dB = 0.00774 W/kg = -42.23 dB W/kg

GT-7325 GSM1900 Head Right Cheek Mid

Date: 2013.09.29

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_Right GSM Head 2/1900 GSM Cheek-Mid/Area Scan (51x91x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 1.082 V/m; Power Drift = 2.32 dB

Fast SAR: SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (interpolated) = 0.0460 W/kg

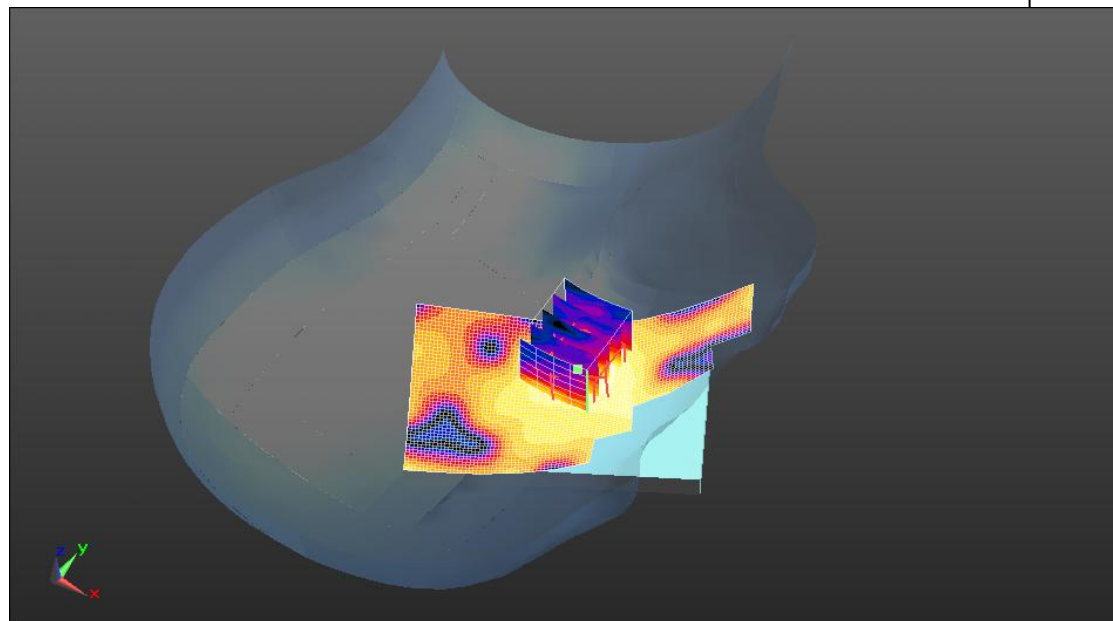
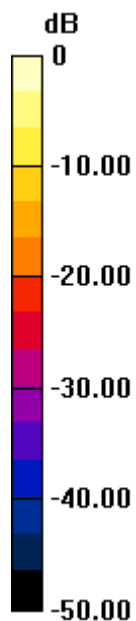
1900_Right GSM Head 2/1900 GSM Cheek-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.082 V/m; Power Drift = 2.32 dB

Peak SAR (extrapolated) = 0.087 mW/g

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.0333 W/kg



0 dB = 0.0460 W/kg = -26.74 dB W/kg

GT-7325 GSM1900 Head Right Tilted Mid

Date: 2013.09.29

DUT: CLAR0; Type: default; Serial: **Not Specified**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_Right GSM Head 2/1900GSM Tilted2-Mid/Area Scan (51x91x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 1.712 V/m; Power Drift = 1.64 dB

Fast SAR: SAR(1 g) = 0.00665 mW/g; SAR(10 g) = 0.00411 mW/g

Maximum value of SAR (interpolated) = 0.00719 W/kg

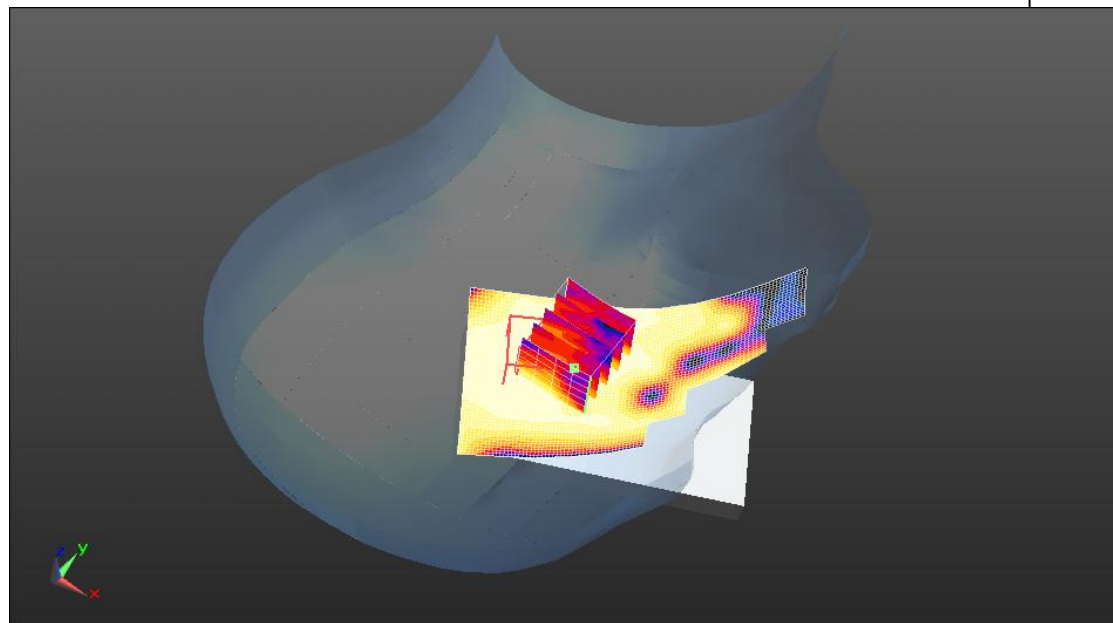
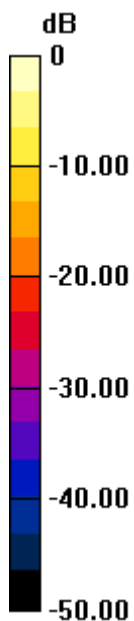
1900_Right GSM Head 2/1900GSM Tilted2-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.712 V/m; Power Drift = 1.64 dB

Peak SAR (extrapolated) = 0.012 mW/g

SAR(1 g) = 0.00661 mW/g; SAR(10 g) = 0.00402 mW/g

Maximum value of SAR (measured) = 0.00713 W/kg



0 dB = 0.00719 W/kg = -42.87 dB W/kg

GT-7325 GPRS1900 Body Front Mid

Date: 2013.09.29

DUT: sq35; Type: Sample; Serial: IMEI Number

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_GSM1900/1900 GSM-Mid faceup/Area Scan (61x41x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 4.661 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (interpolated) = 0.0372 W/kg

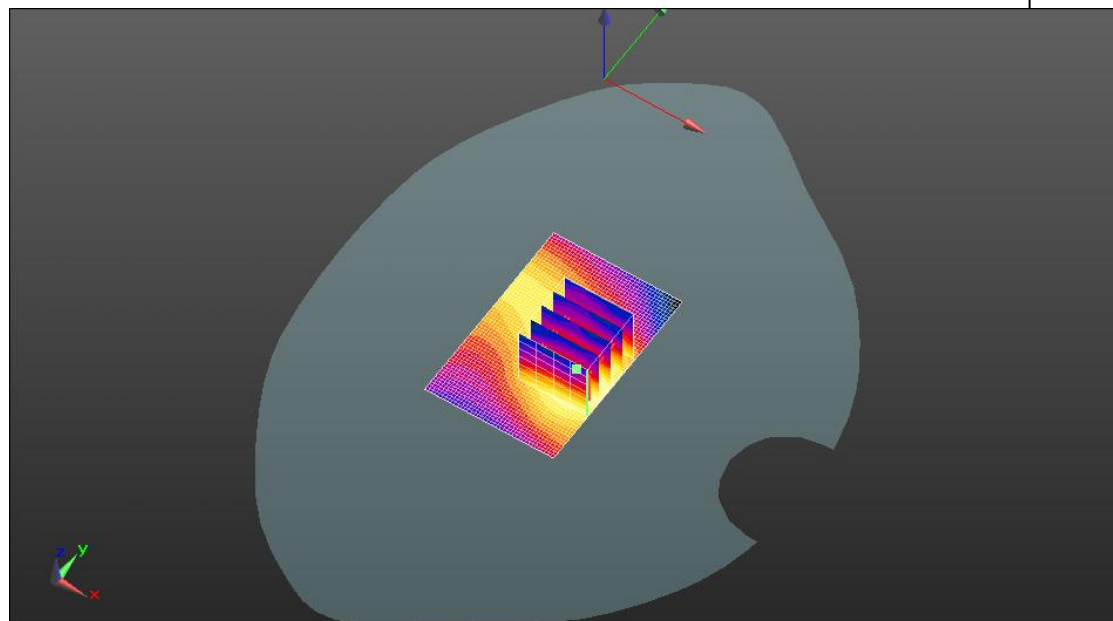
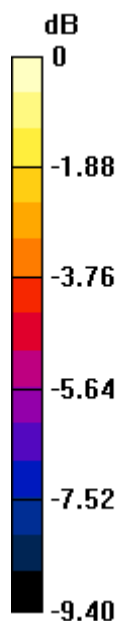
1900_GSM1900/1900 GSM-Mid faceup/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.661 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.051 mW/g

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.0350 W/kg



$$0 \text{ dB} = 0.0372 \text{ W/kg} = -28.59 \text{ dB W/kg}$$

GT-7325 GPRS1900 Body Back Mid

DUT: sq35; Type: Sample; Serial: IMEI Number

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 51.14$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_GSM1900/1900 GSM-Mid facedown/Area Scan (61x41x1): Interpolated grid:
 $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 5.054 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (interpolated) = 0.120 W/kg

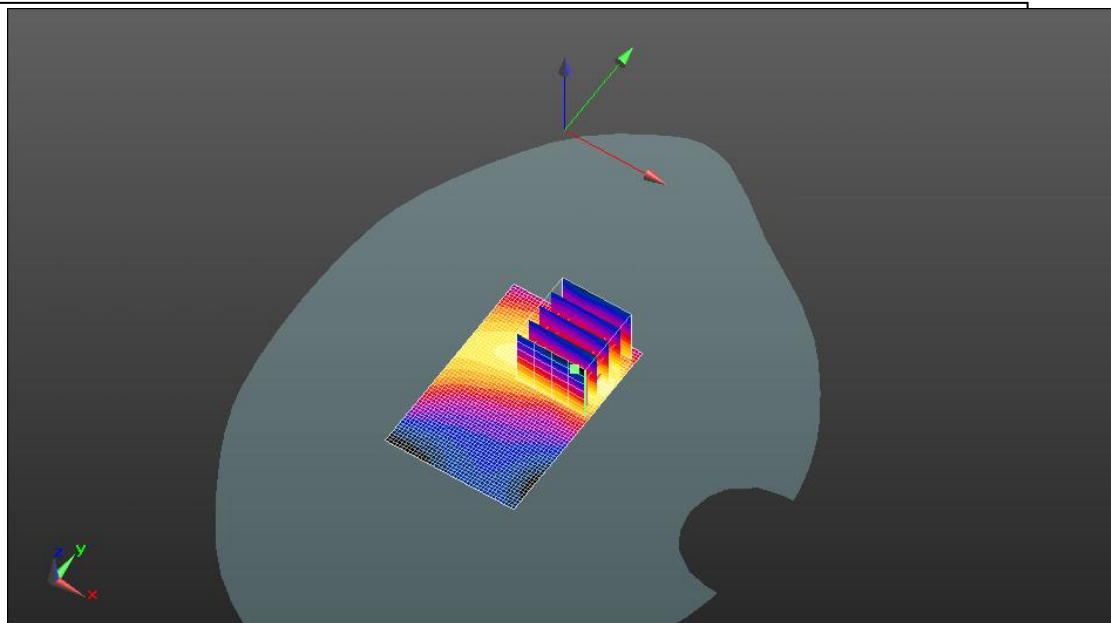
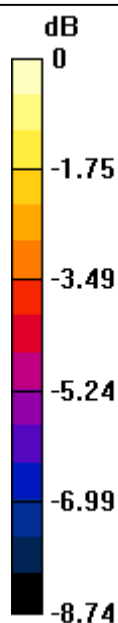
1900_GSM1900/1900 GSM-Mid facedown/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
 $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.054 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.171 mW/g

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.120 W/kg = -18.42 dB W/kg

GT-7325 GPRS1900 Body Left Side Mid

DUT: sq35; Type: Sample; Serial: IMEI Number

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19–2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_GSM1900/1900 GSM-Mid left side/Area Scan (61x41x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 3.503 V/m; Power Drift = 3.27 dB

Fast SAR: SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (interpolated) = 0.0443 W/kg

1900_GSM1900/1900 GSM-Mid left side/Zoom Scan (5x5x7)/Cube 0: Measurement grid

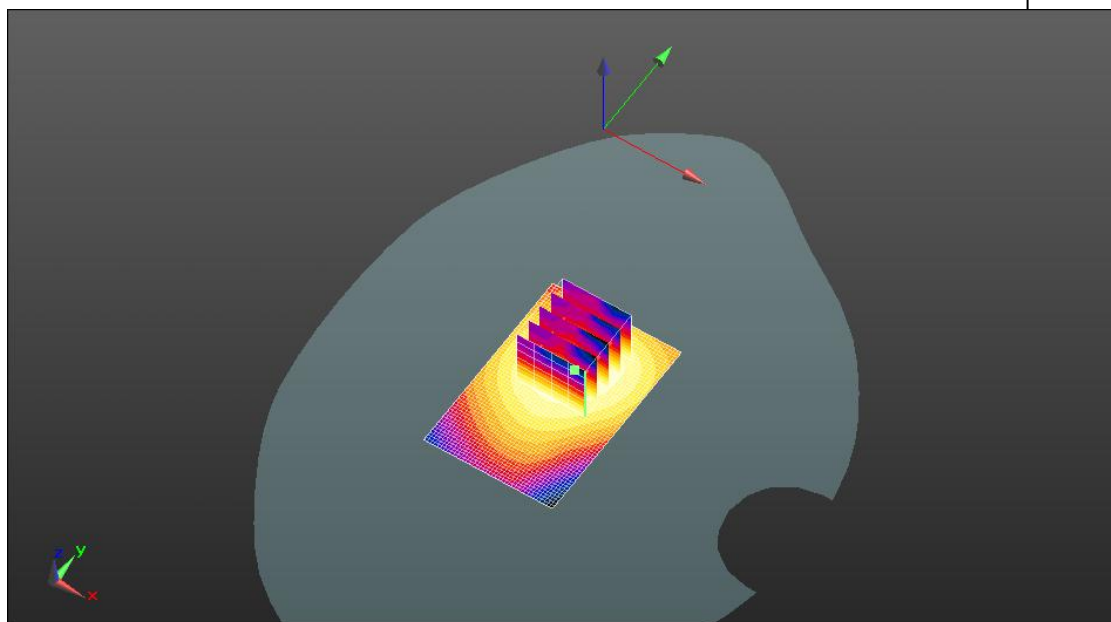
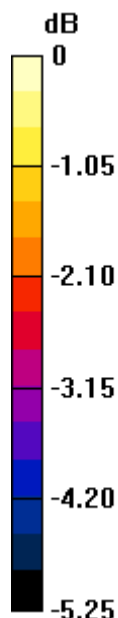
dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.503 V/m; Power Drift = 3.27 dB

Peak SAR (extrapolated) = 0.071 mW/g

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0461 W/kg



0 dB = 0.0443 W/kg = -27.07 dB W/kg

GT-7325 GPRS1900 Body Bottom Mid

DUT: sq35; Type: Sample; Serial: IMEI Number

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2010.09.23.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

1900_GSM1900/1900 GSM-Mid bottom/Area Scan (91x61x1): Interpolated grid:
dx=1.000 mm, dy=1.000 mm

Reference Value = 5.058 V/m; Power Drift = 0.23 dB

Fast SAR: SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (interpolated) = 0.0455 W/kg

1900_GSM1900/1900 GSM-Mid bottom/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

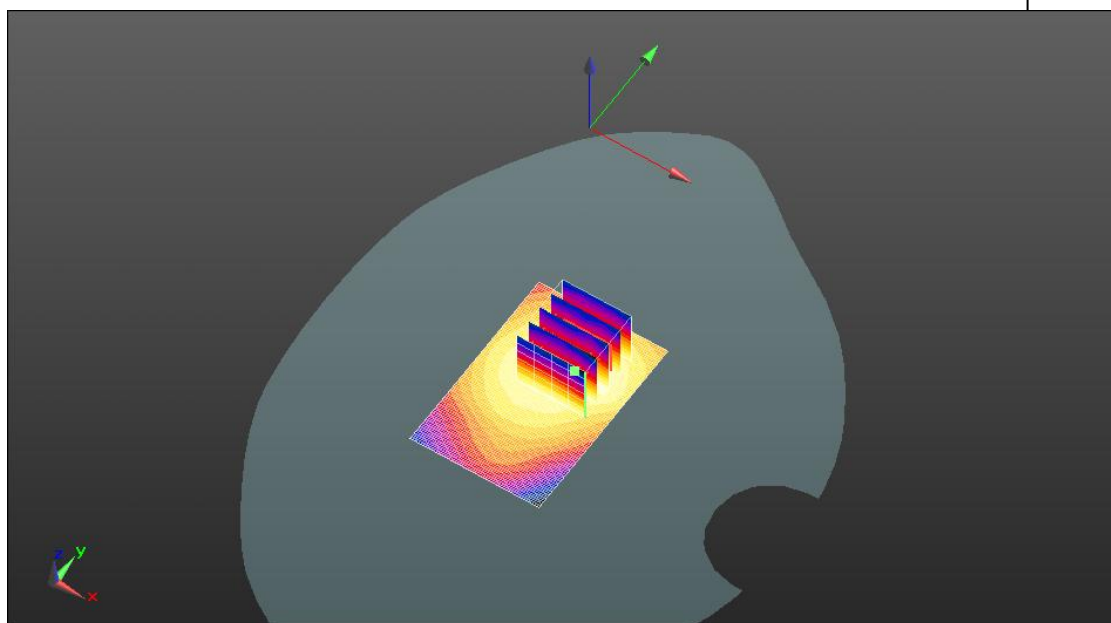
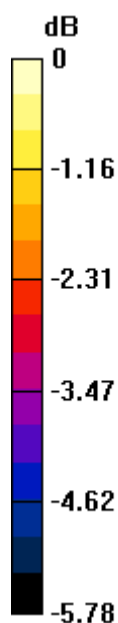
dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.058 V/m; Power Drift = 0.23 dB

Peak SAR (extrapolated) = 0.071 mW/g

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0468 W/kg



0 dB = 0.0455 W/kg = -26.83 dB W/kg

GT-7325 WCDMA BAND5 Head Left Cheek Mid

DUT: claro; Type: default; Serial: **Not Specified**

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.

- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_left head cheek/Mid/Area Scan (101x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.041 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0624 W/kg

UMTS Band 5_left head cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

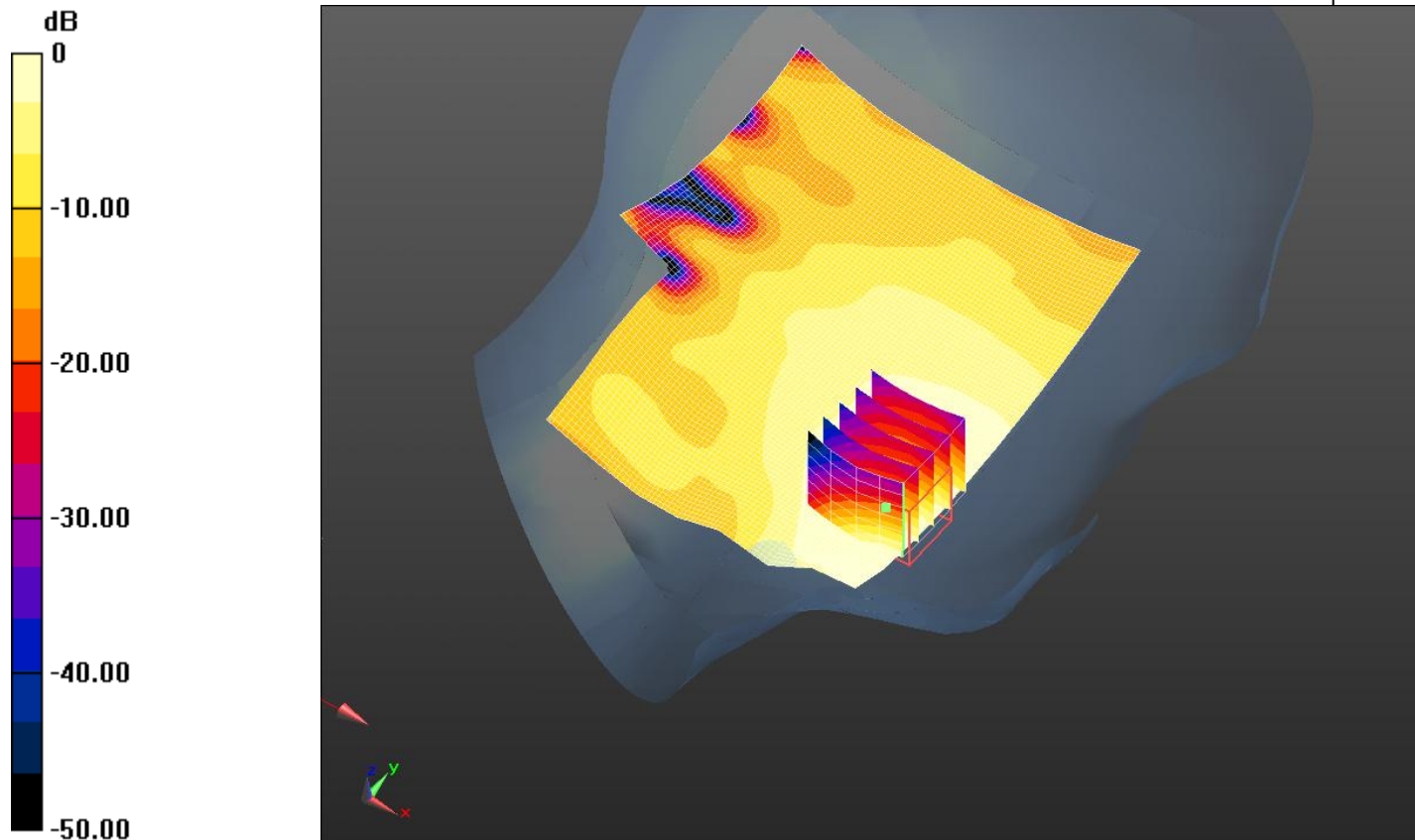
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.076 mW/g

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.052 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0670 W/kg



$$0 \text{ dB} = 0.0624 \text{ W/kg} = -24.10 \text{ dB W/kg}$$

GT-7325 WCDMA BAND5 Head Left Tilted Mid

DUT: claro; Type: default; Serial: **Not Specified**

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.858$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_left head tilt/Mid/Area Scan (101x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: $SAR(1 \text{ g}) = 0.034 \text{ mW/g}$; $SAR(10 \text{ g}) = 0.023 \text{ mW/g}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0360 W/kg

UMTS Band 5_left head tilt/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

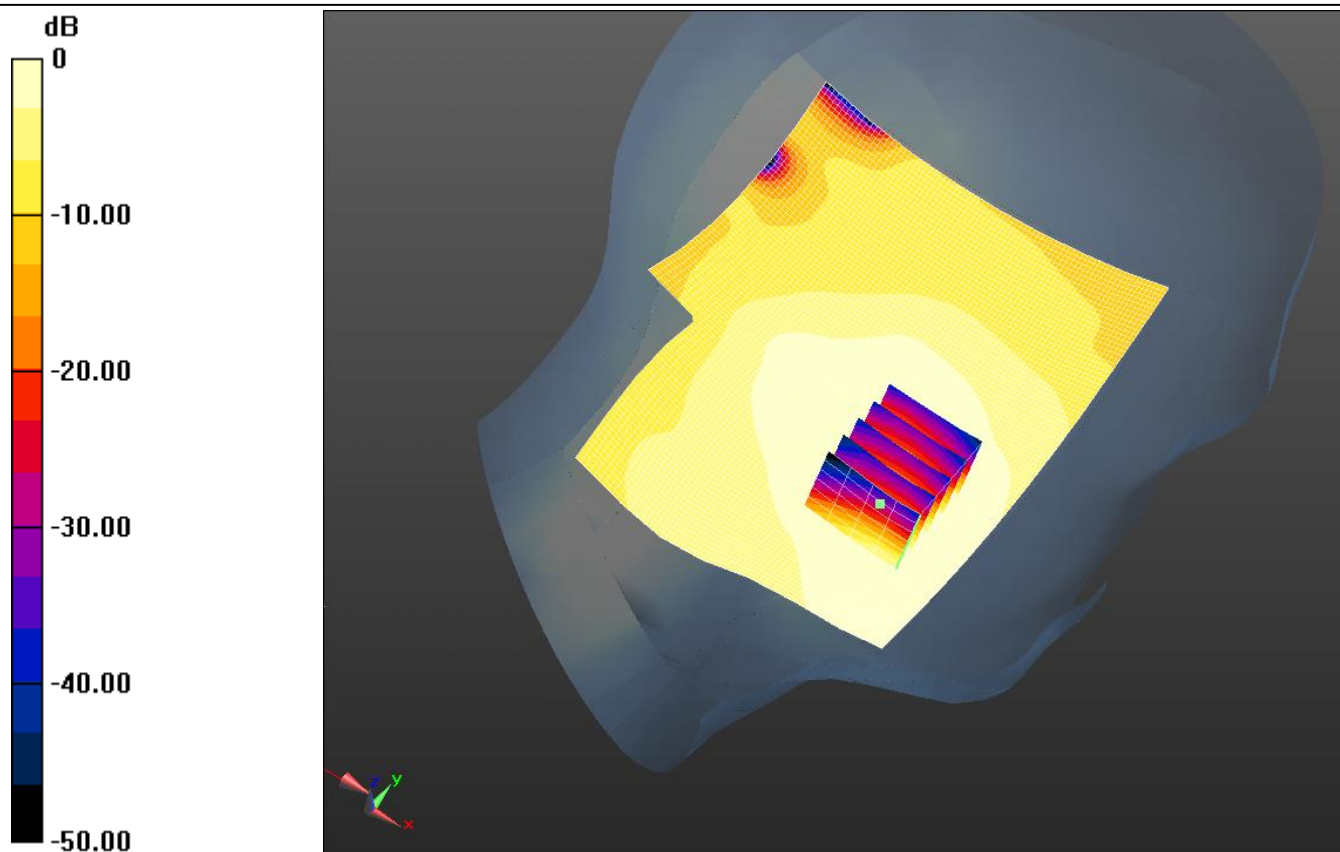
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.039 mW/g

$SAR(1 \text{ g}) = 0.034 \text{ mW/g}$; $SAR(10 \text{ g}) = 0.029 \text{ mW/g}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0356 W/kg



0 dB = 0.0360 W/kg = -28.88 dB W/kg

GT-7325 WCDMA BAND5 Head Right Cheek Mid

DUT: claro; Type: default; Serial: **Not Specified**

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_right head cheek/Mid/Area Scan (71x81x1) : Interpolated grid: dx=1.500

mm, $dy=1.500$ mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.040 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0625 W/kg

UMTS Band 5_right head cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
 $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

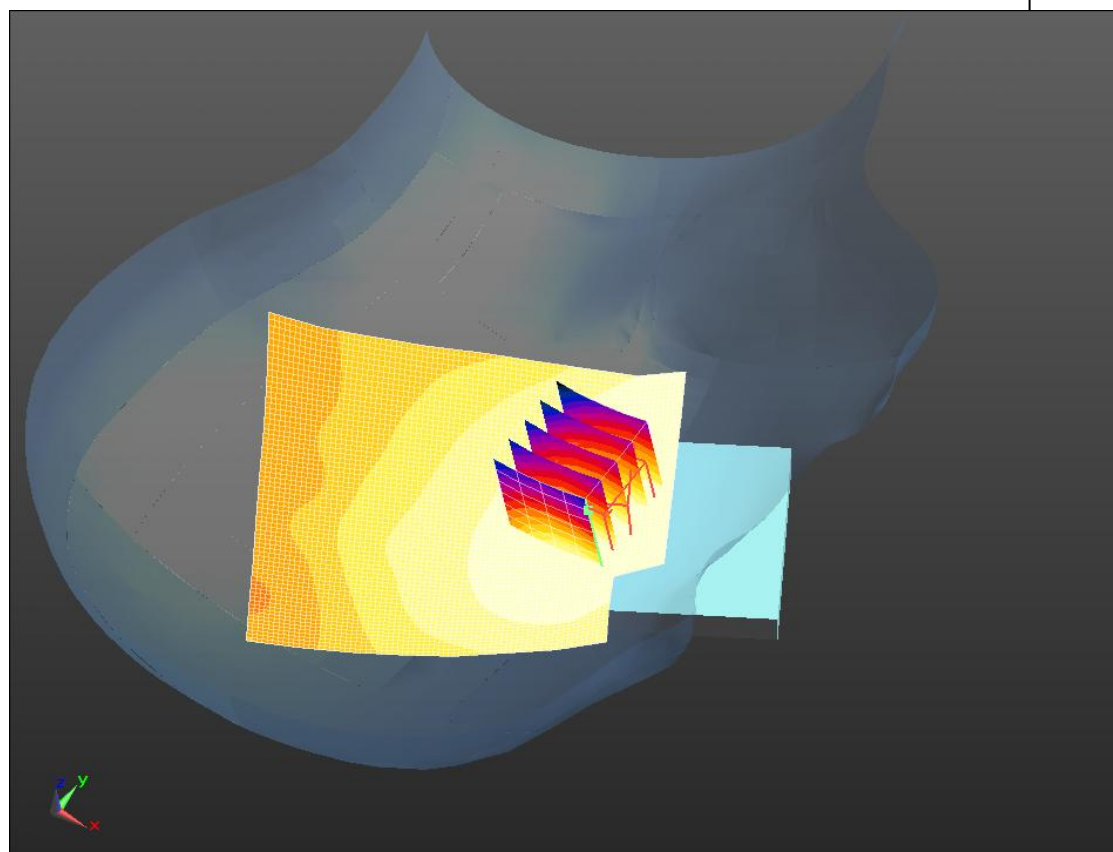
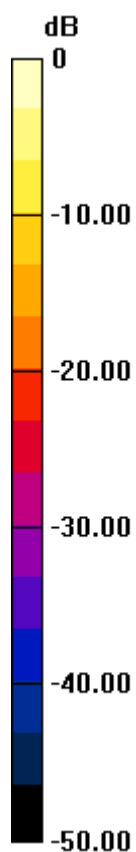
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.068 mW/g

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.048 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0604 W/kg



0 dB = 0.0625 W/kg = -24.09 dB W/kg

GT-7325 WCDMA BAND5 Head Right Tilted Mid

DUT: M77; Type: default; Serial: Not Specified

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_right head tilt/Mid/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.023 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0340 W/kg

UMTS Band 5_right head tilt/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

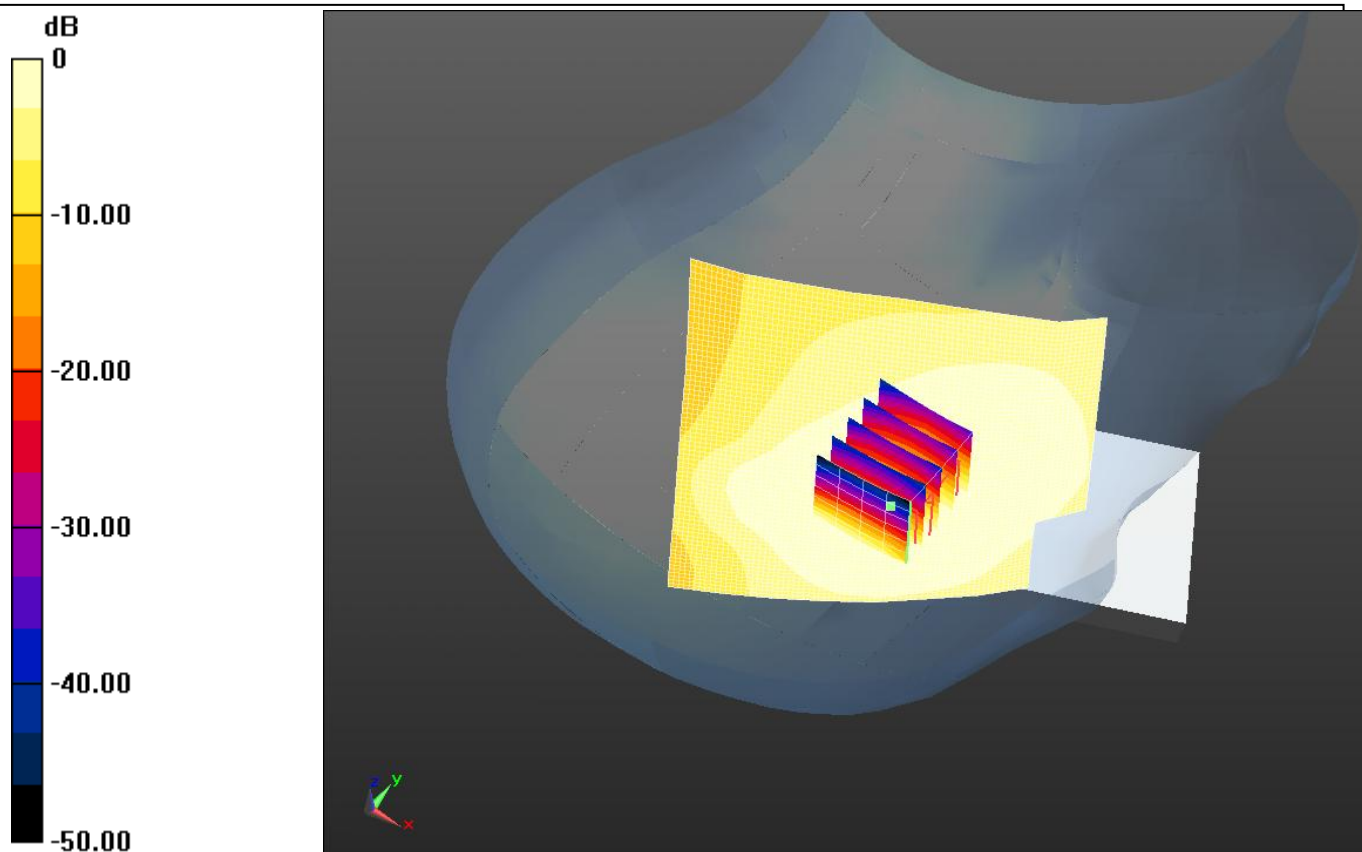
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.043 mW/g

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.028 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0351 W/kg



0 dB = 0.0340 W/kg = -29.37 dB W/kg

GT-7325WCDMA Body BAND5 Front Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_body Faceup/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.156 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.242 W/kg

UMTS Band 5_body Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

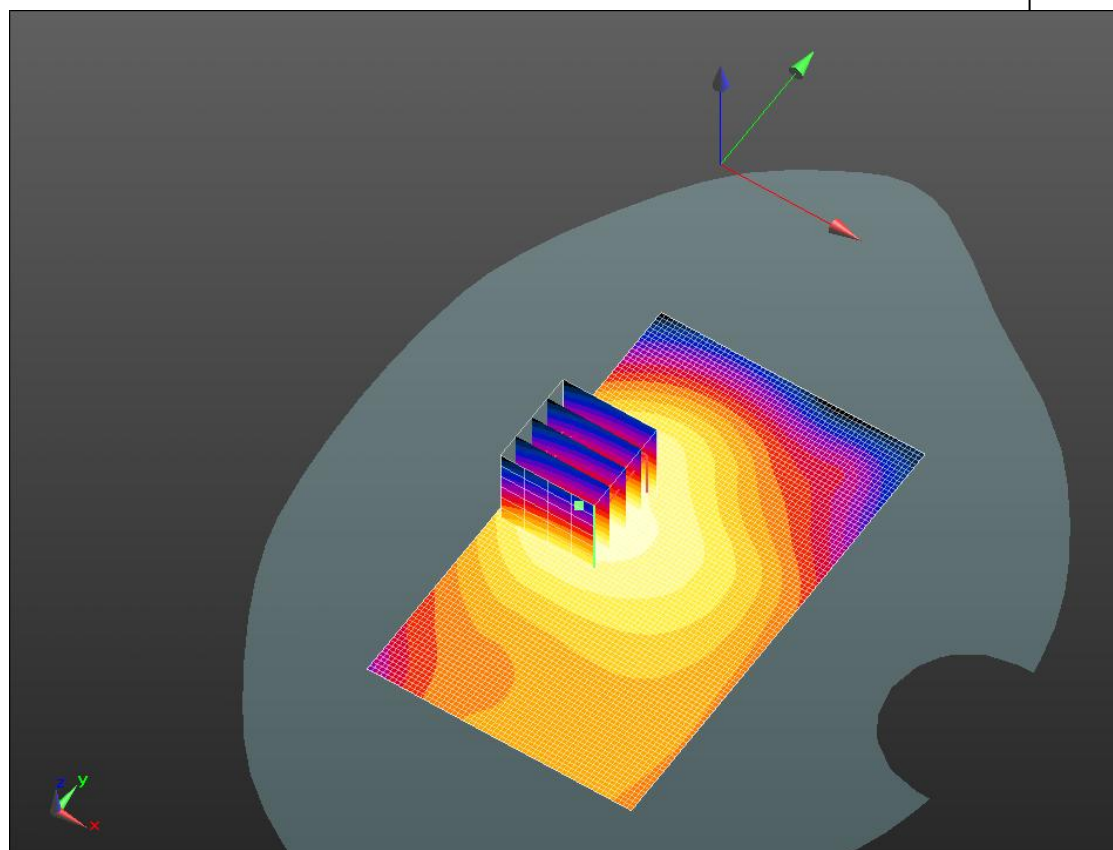
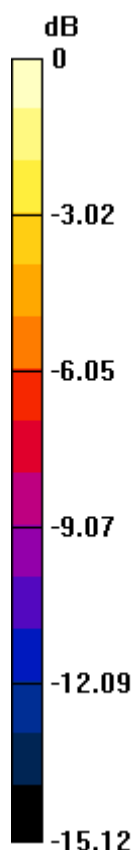
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.143 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.242 W/kg = -12.33 dB W/kg

GT-7325WCDMA Body BAND5 Back Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_body Facedown/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.290 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.500 W/kg

UMTS Band 5_body Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

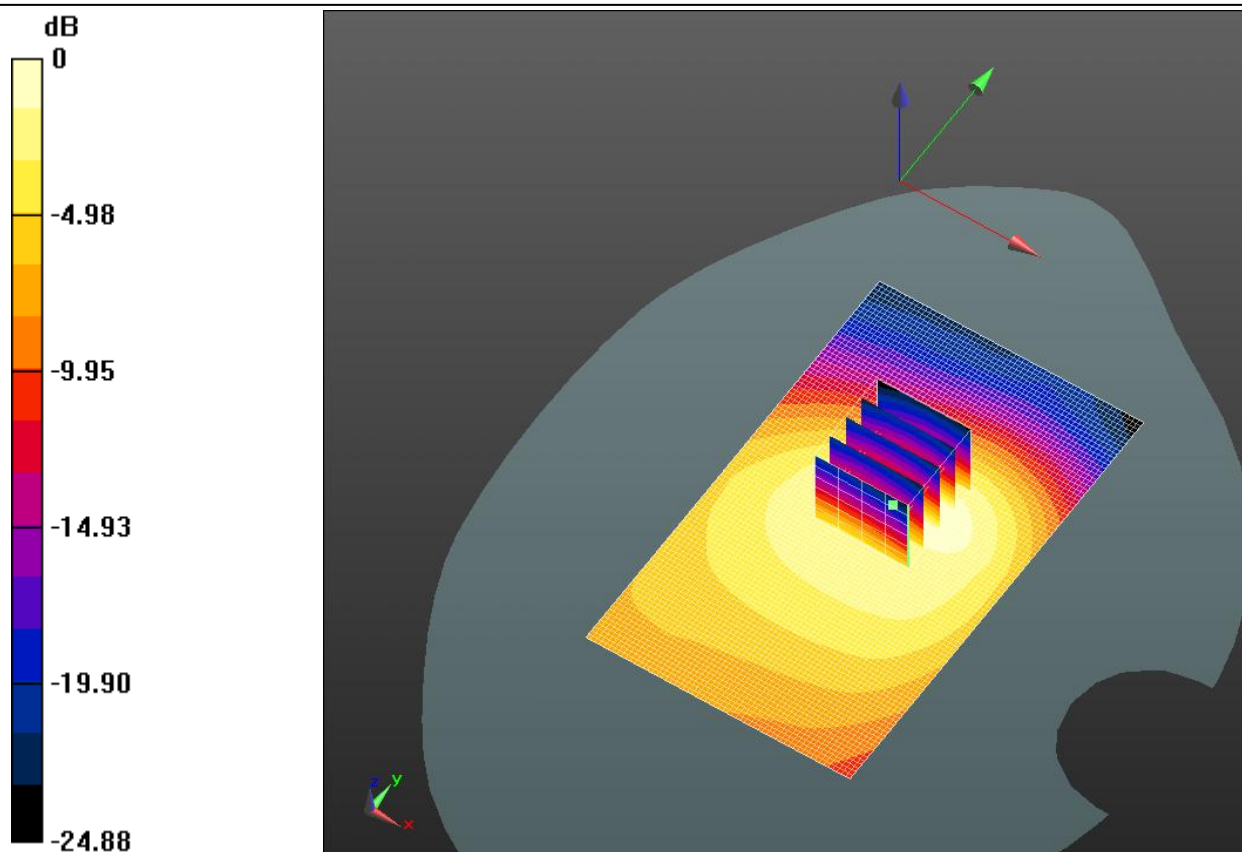
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.683 mW/g

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.298 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.500 W/kg = -6.03 dB W/kg

GT-7325 WCDMA BAND5 Body Left Side Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_body left side/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500

mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.033 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0587 W/kg

UMTS Band 5_body left side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

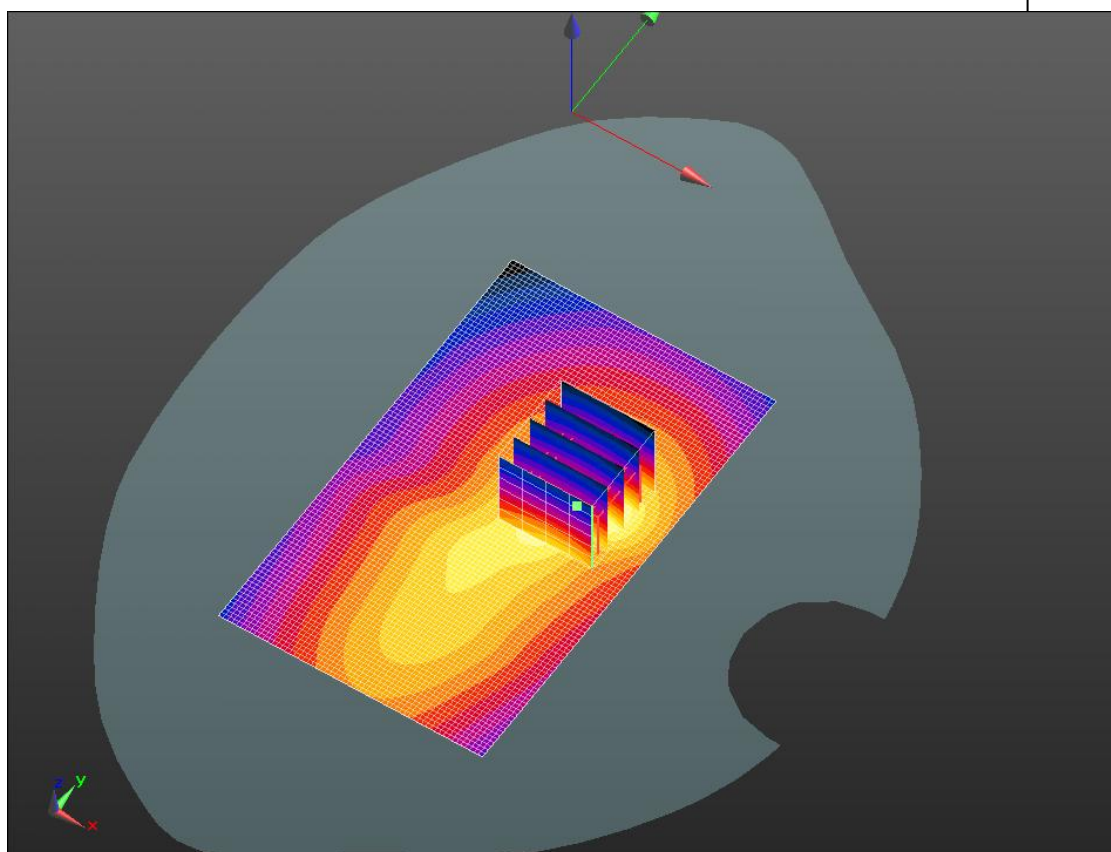
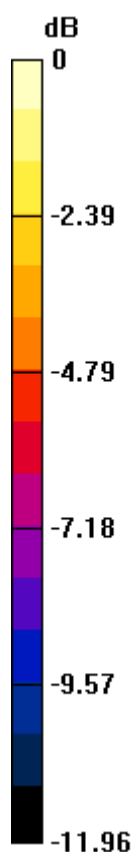
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.101 mW/g

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.031 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0606 W/kg



0 dB = 0.0587 W/kg = -24.63 dB W/kg

GT-7325 WCDMA BAND5 Body Bottom Side Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 – 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 2.91 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 5_body bottom/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.044 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0852 W/kg

UMTS Band 5_body bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

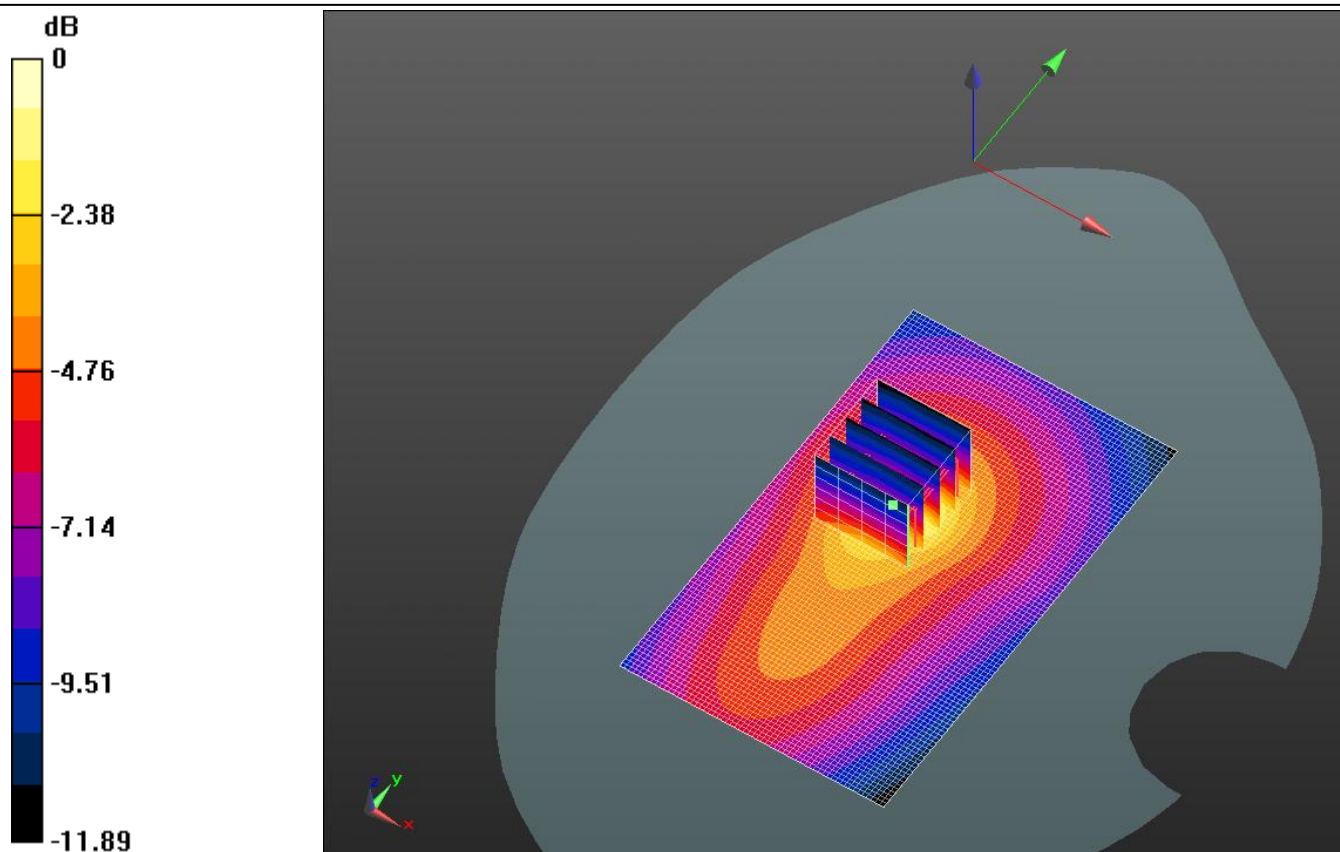
Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.162 mW/g

SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.041 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0876 W/kg



0 dB = 0.0852 W/kg = -21.39 dB W/kg

GT-7325 WCDMA BAND2 Head Left Cheek Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

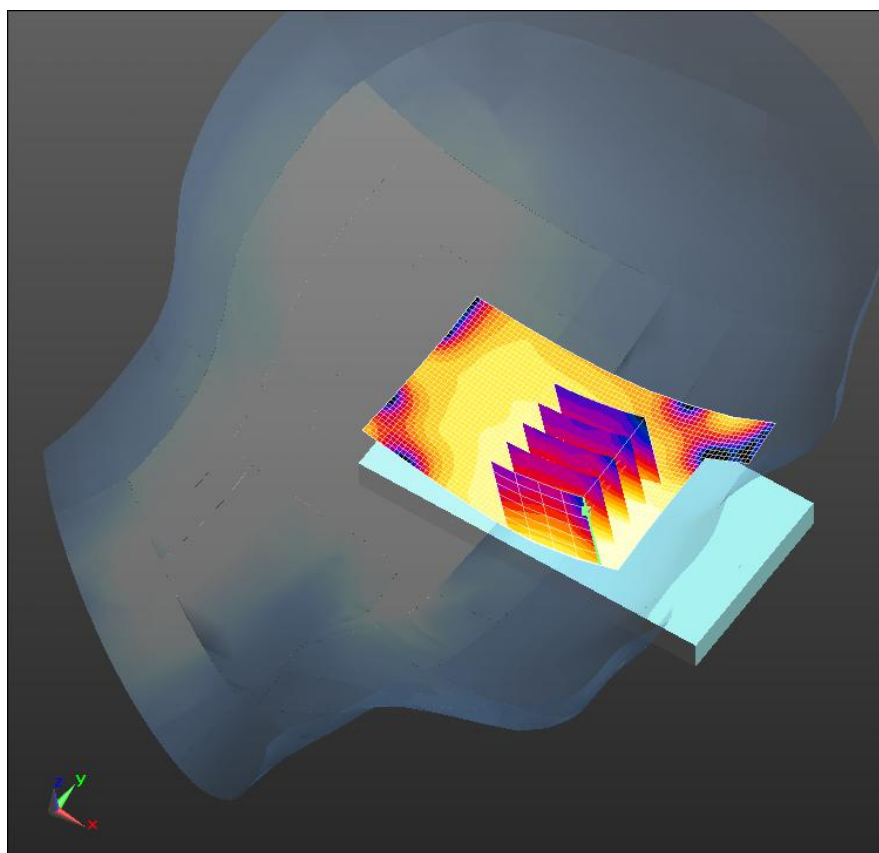
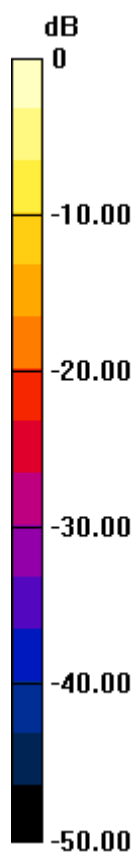
- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2 _left head cheek/Mid/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Fast SAR: SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (interpolated) = 0.0762 W/kg

UMTS Band 2 _left head cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 0.153 mW/g
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.0821 W/kg



0 dB = 0.0762 W/kg = -22.36 dB W/kg

GT-7325 WCDMA BAND2 Head Left Tilted Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASYS Configuration:

○ Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ left head tilt/Mid/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (interpolated) = 0.0426 W/kg

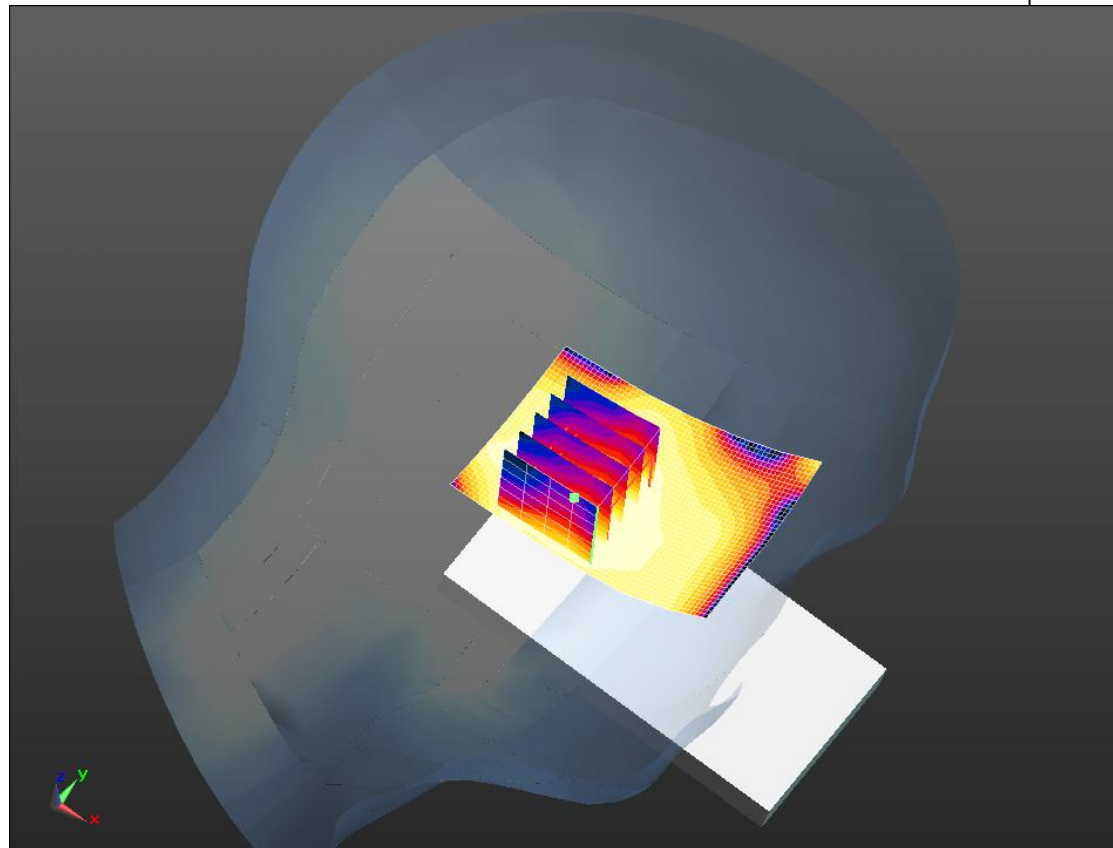
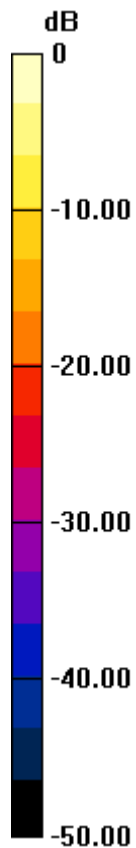
UMTS Band 2_ left head tilt/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.067 mW/g

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.0442 W/kg



0 dB = 0.0426 W/kg = -27.41 dB W/kg

GT-7325 WCDMA BAND2 Head Right Cheek Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ right head cheek/Mid/Area Scan (71x91x1) : Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (interpolated) = 0.116 W/kg

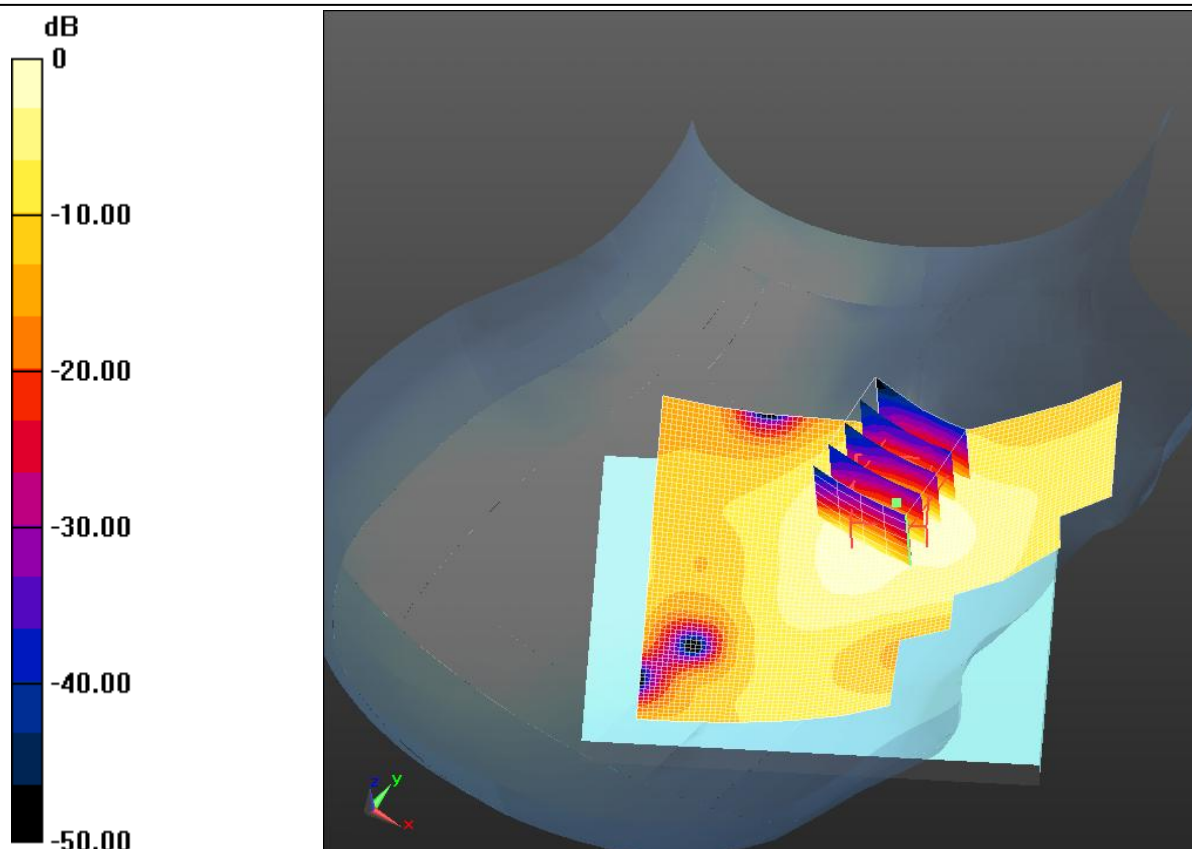
UMTS Band 2_ right head cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.210 mW/g

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.116 W/kg = -18.73 dB W/kg

GT-7325 WCDMA BAND2 Head Right Tilted Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.354$ mho/m; $\epsilon_r = 39.055$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

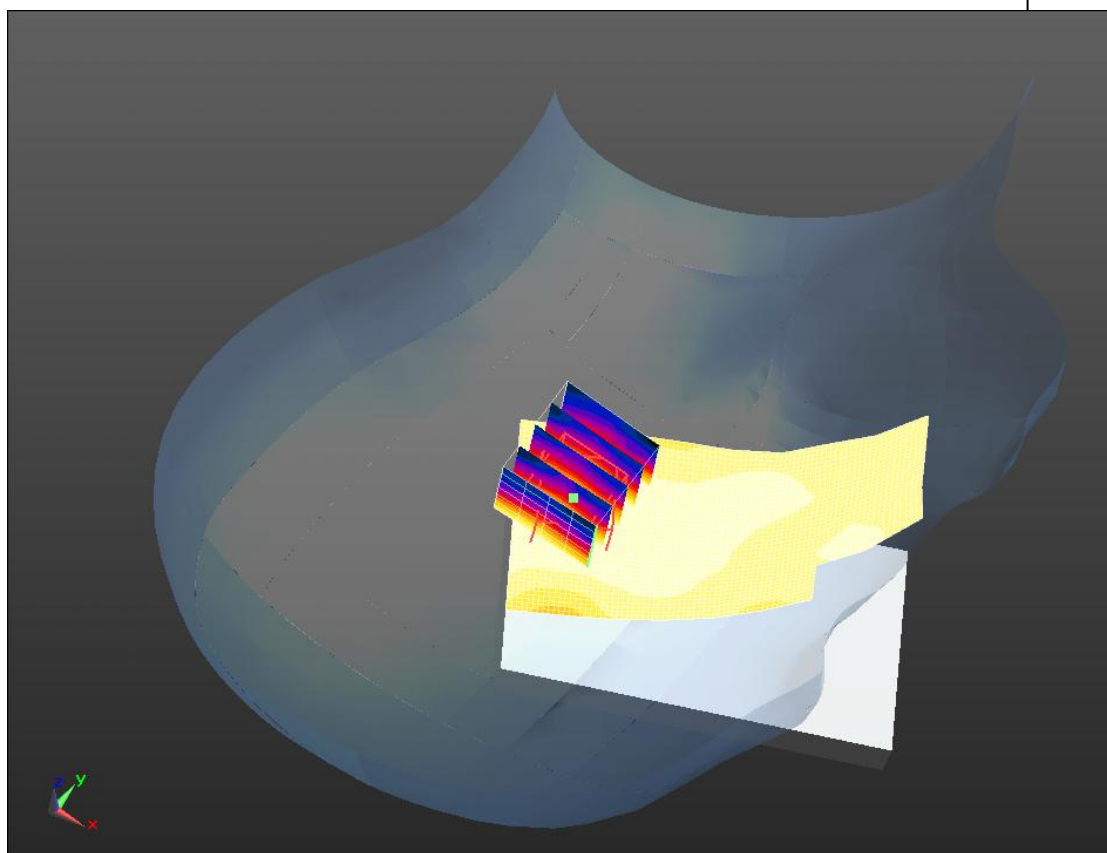
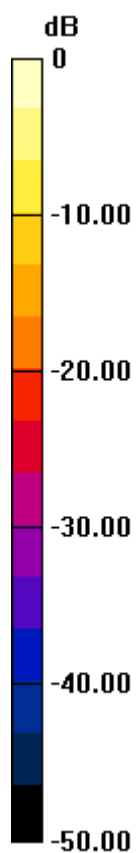
- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ right head tilt/Mid/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Fast SAR: SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (interpolated) = 0.0329 W/kg

UMTS Band 2_ right head tilt/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 0.047 mW/g
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.0333 W/kg



0 dB = 0.0329 W/kg = -29.65 dB W/kg

GT-7325 WCDMA BAND2 Body Front Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

○ Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ body Faceup/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.131 mW/g

Maximum value of SAR (interpolated) = 0.230 W/kg

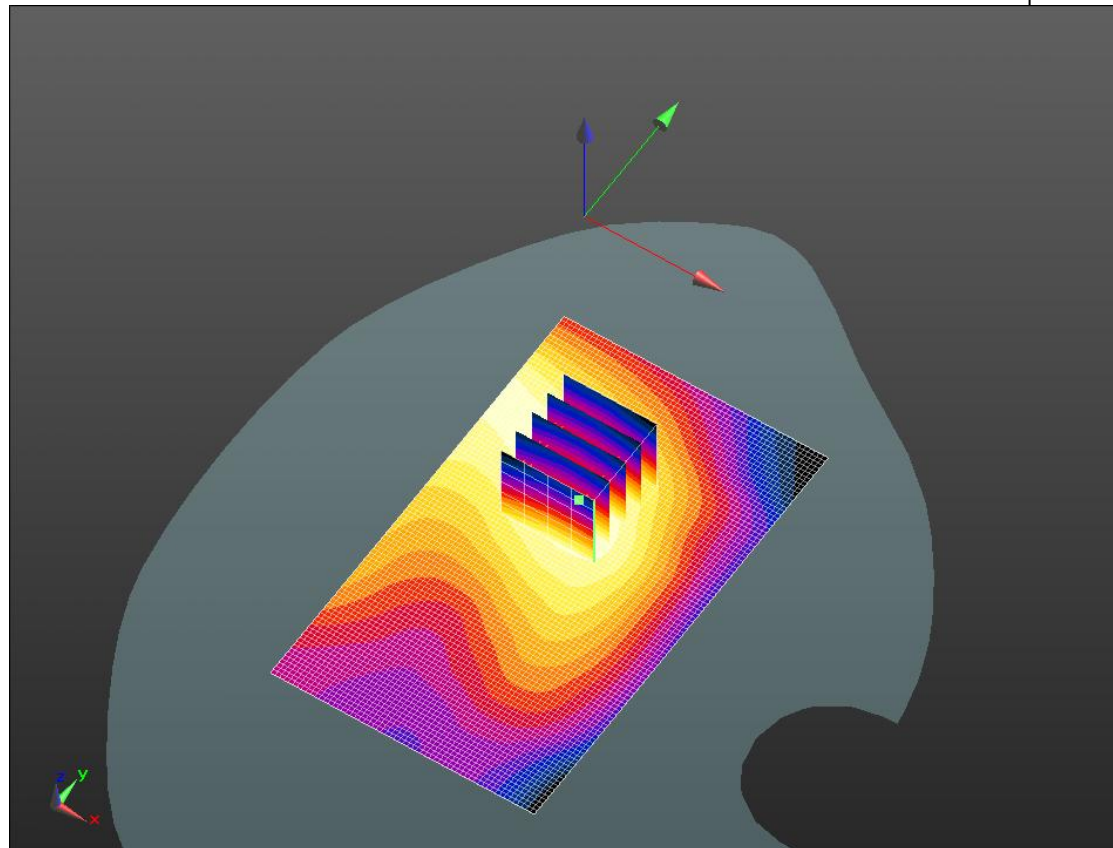
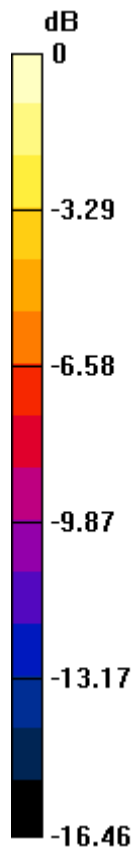
UMTS Band 2_ body Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.340 mW/g

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -12.76 dB W/kg

GT-7325 WCDMA BAND2 Body Back Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_Facedown/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (interpolated) = 0.329 W/kg

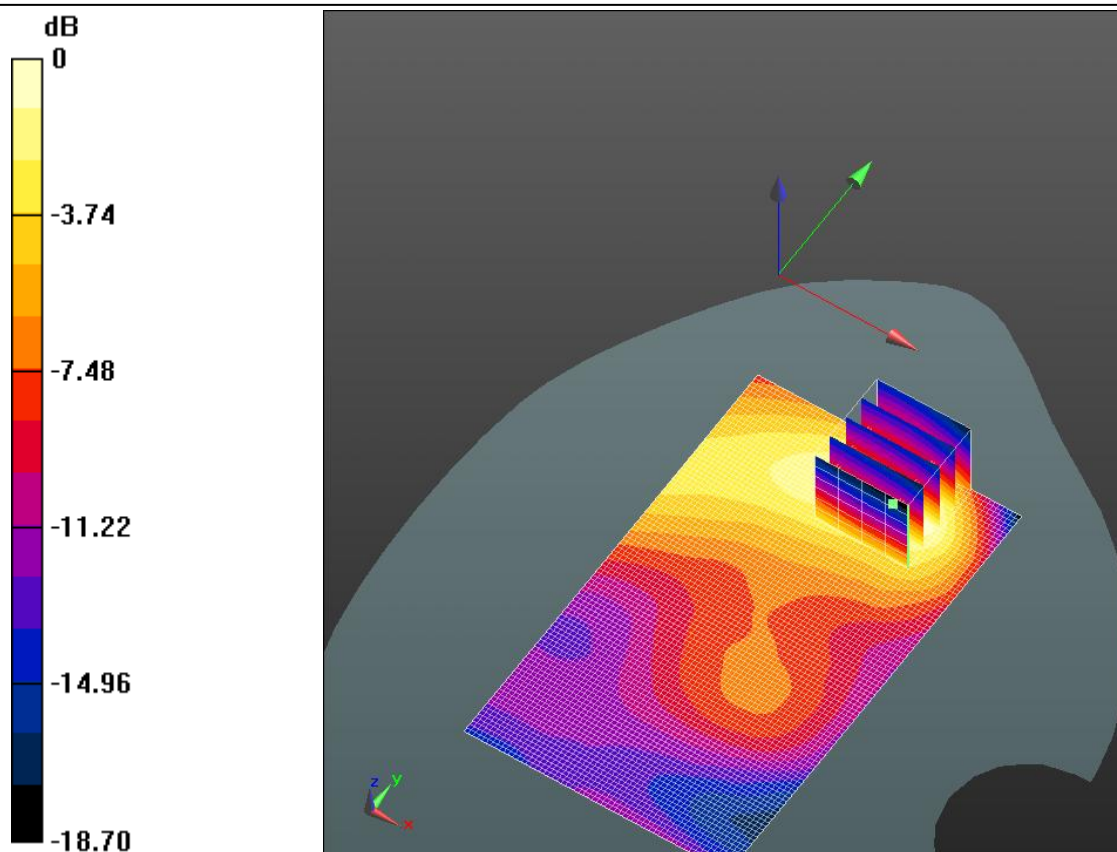
UMTS Band 2_Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.527 mW/g

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.329 W/kg = -9.64 dB W/kg

GT-7325 WCDMA BAND2 Body Left Side Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

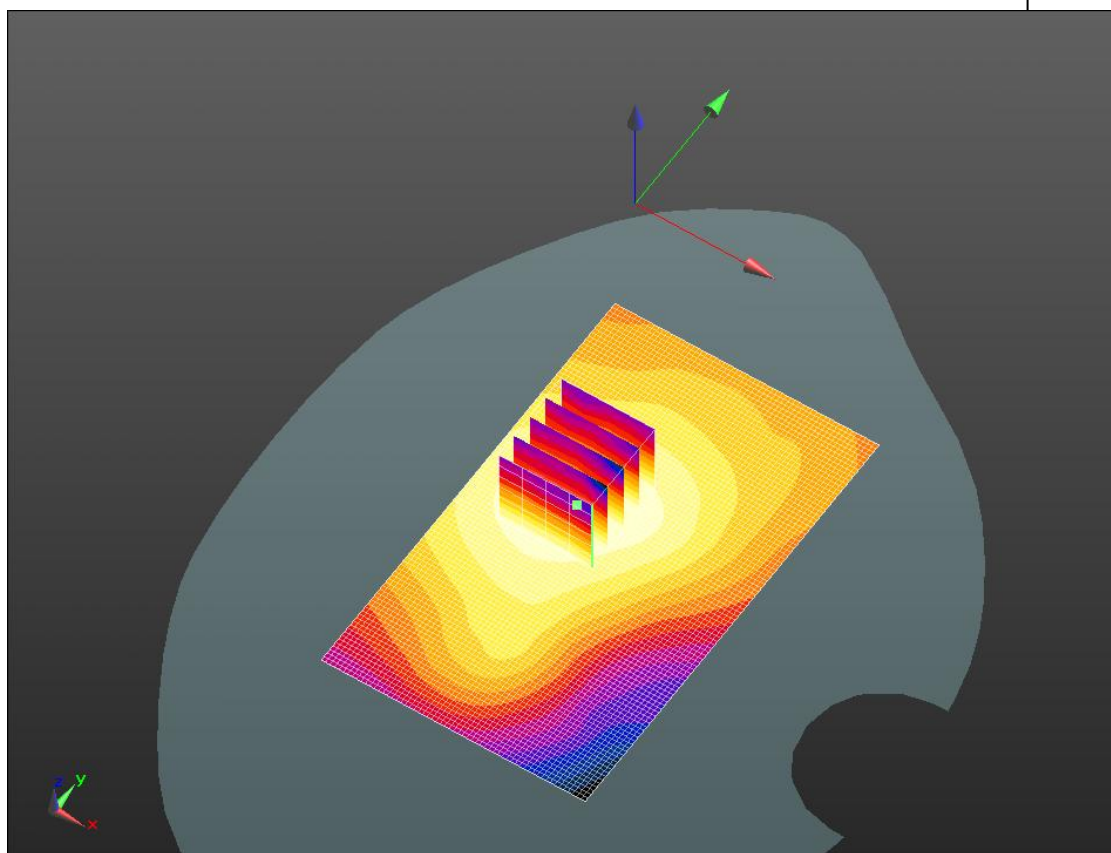
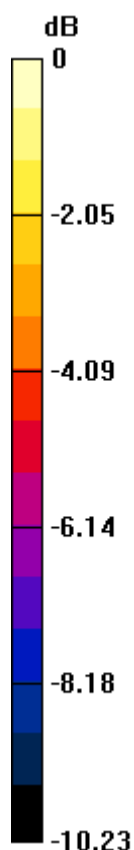
- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ body left side/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Fast SAR: SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (interpolated) = 0.0355 W/kg

UMTS Band 2_body left side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 0.052 mW/g
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.0344 W/kg



0 dB = 0.0355 W/kg = -29.00 dB W/kg

GT-7325 WCDMA BAND2 Body Bottom Side Mid

DUT: CLAR0; Type: Sample; Serial: IMEI Number

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 – 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 2.91 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 51.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

○ Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

UMTS Band 2_ body bottom/Mid/Area Scan (101x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Fast SAR: SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (interpolated) = 0.0335 W/kg

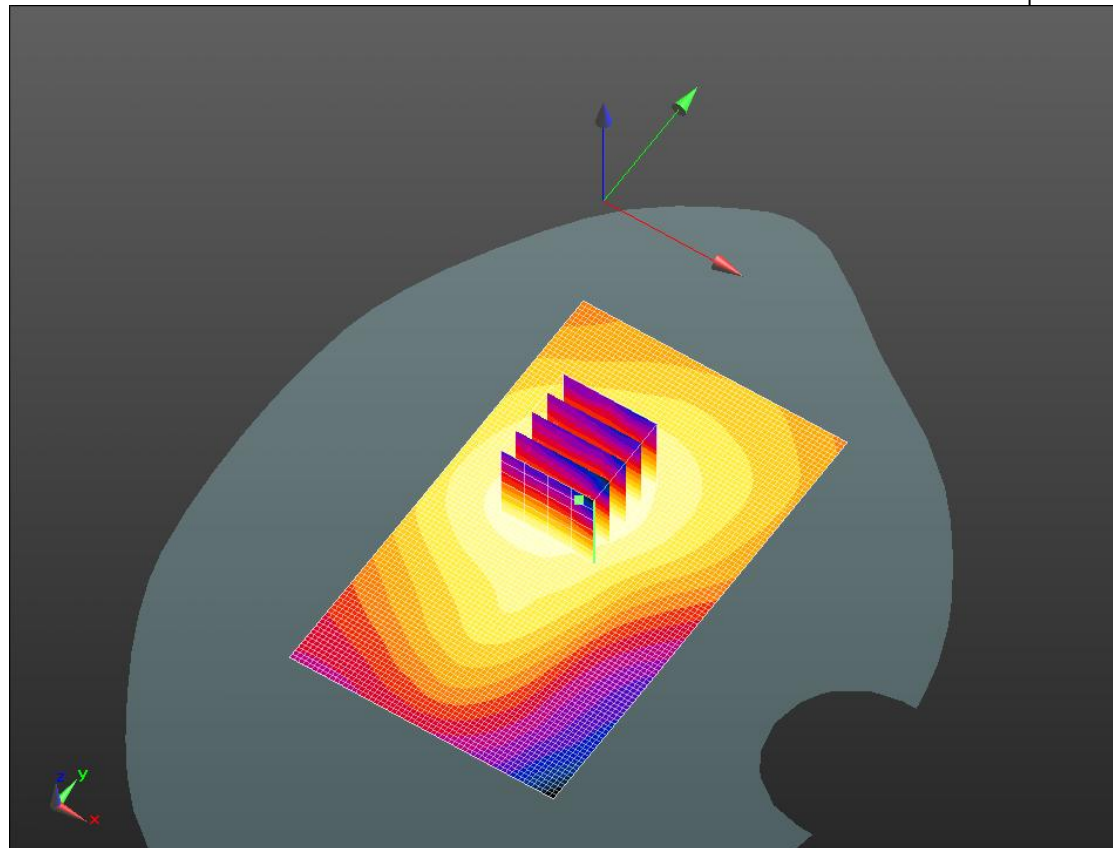
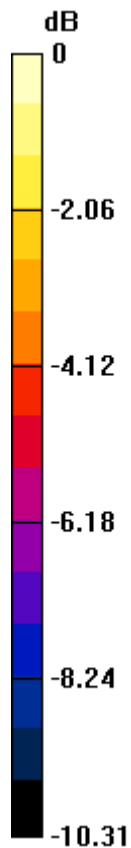
UMTS Band 2_ body bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.145 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 0.052 mW/g

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.0338 W/kg



0 dB = 0.0335 W/kg = -29.49 dB W/kg

GT-7325 WiFi 802.11b Head Left Cheek Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-Left Head/left Cheek-Mid/Area Scan (61x81x1): Interpolated grid:
 $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 1.839 V/m; Power Drift = 1.40 dB

Fast SAR: SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00669 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0166 W/kg

802.11b-Left Head/left Cheek-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
 $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

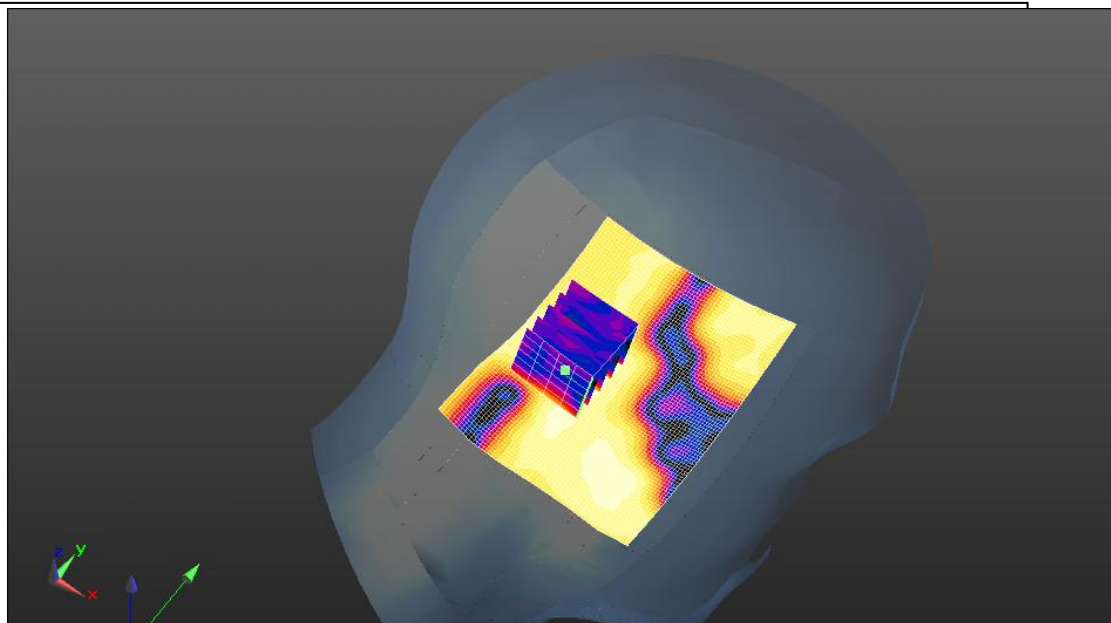
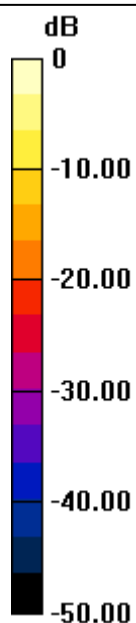
Reference Value = 1.839 V/m; Power Drift = 1.40 dB

Peak SAR (extrapolated) = 0.026 mW/g

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00647 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0144 W/kg



0 dB = 0.0166 W/kg = -35.61 dB W/kg

GT-7325 WiFi 802.11b Head Left Tilted Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-Left Head/left Tilted-Mid/Area Scan (61x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 1.436 V/m; Power Drift = 1.71 dB

Fast SAR: SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.012 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0361 W/kg

802.11b-Left Head/left Tilted-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid
dx=8mm, dy=8mm, dz=5mm

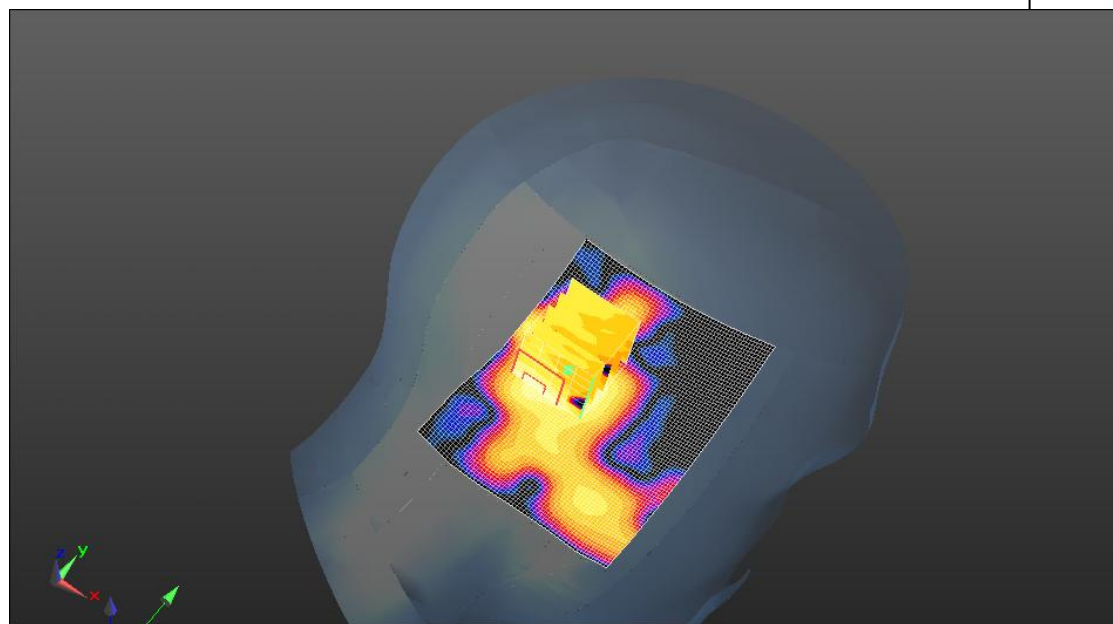
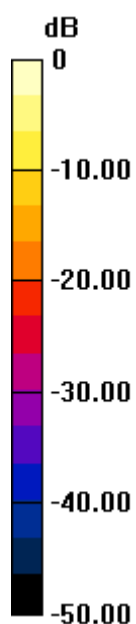
Reference Value = 1.436 V/m; Power Drift = 1.71 dB

Peak SAR (extrapolated) = 0.035 mW/g

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00626 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0178 W/kg



0 dB = 0.0361 W/kg = -28.85 dB W/kg

GT-7325 WiFi 802.11b Head Right Cheek Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;

Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.

- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-rightHead/right Cheek-Mid/Area Scan (61x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 3.170 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00984 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0305 W/kg

802.11b-rightHead/right Cheek-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

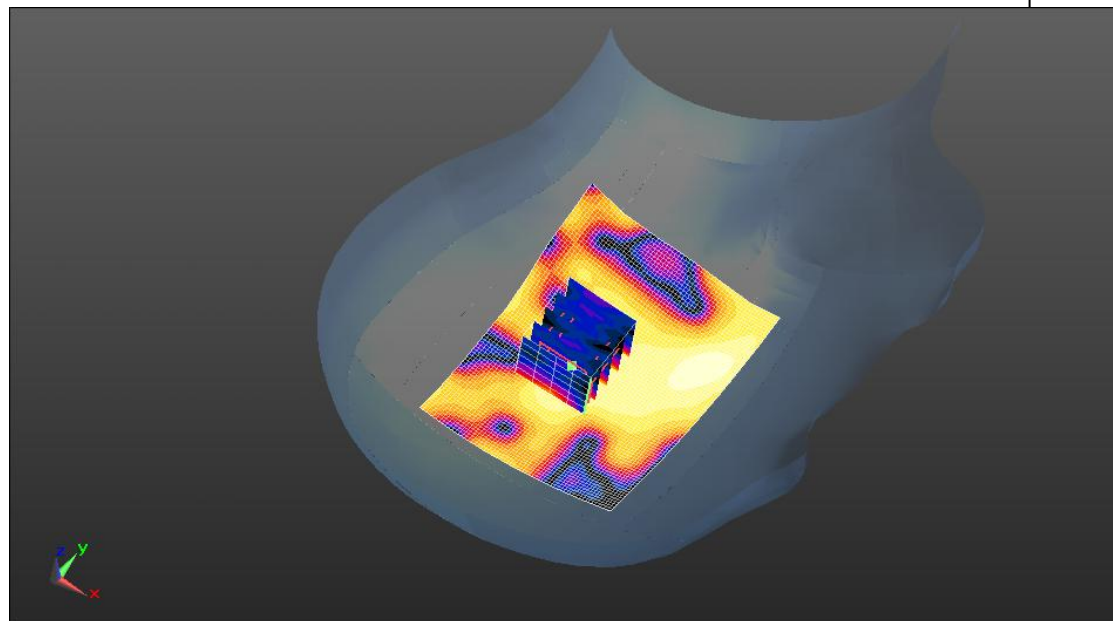
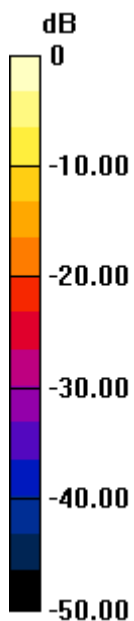
Reference Value = 3.170 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.040 mW/g

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.010 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0231 W/kg



0 dB = 0.0305 W/kg = -30.32 dB W/kg

GT-7325 WiFi 802.11b Head Right Tilted Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;

Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-rightHead/rightTilted-Mid/Area Scan (61x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 1.969 V/m; Power Drift = 0.54 dB

Fast SAR: SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.014 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0535 W/kg

802.11b-rightHead/rightTilted-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

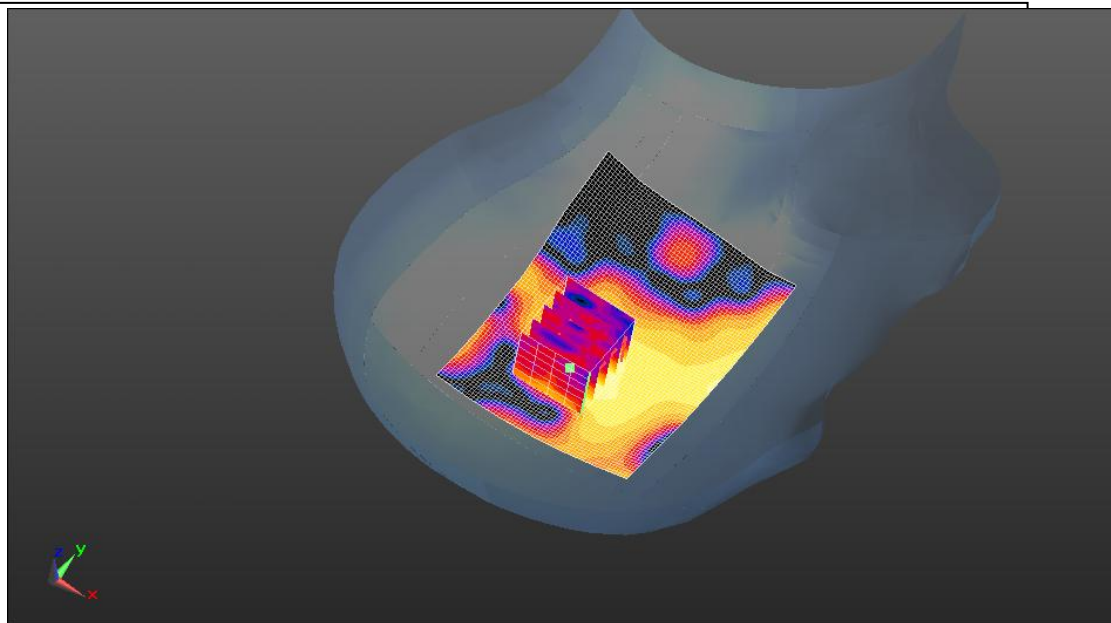
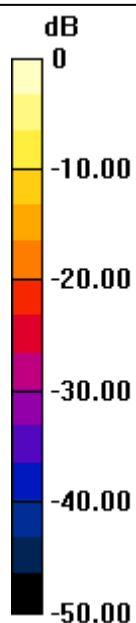
Reference Value = 1.969 V/m; Power Drift = 0.54 dB

Peak SAR (extrapolated) = 0.059 mW/g

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.011 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0322 W/kg



0 dB = 0.0535 W/kg = -25.44 dB W/kg

GT-7325 WiFi 802.11b Body Front Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Faceup-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 1.783 V/m; Power Drift = 0.30 dB

Fast SAR: SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00855 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0268 W/kg

802.11b-10mm/Faceup-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

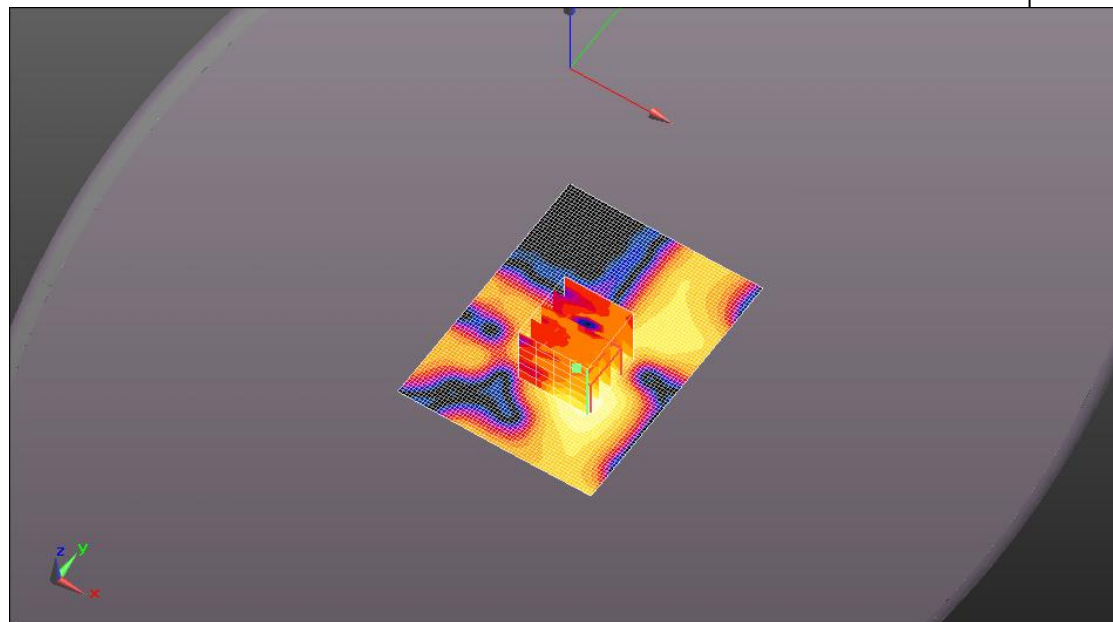
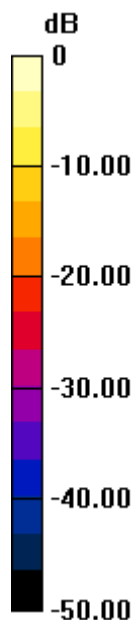
Reference Value = 1.783 V/m; Power Drift = 0.30 dB

Peak SAR (extrapolated) = 0.061 mW/g

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.010 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0365 W/kg



0 dB = 0.0268 W/kg = -31.45 dB W/kg

GT-7325 WiFi 802.11b Body Back Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Facedown-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 2.522 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0341 W/kg

802.11b-10mm/Facedown-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

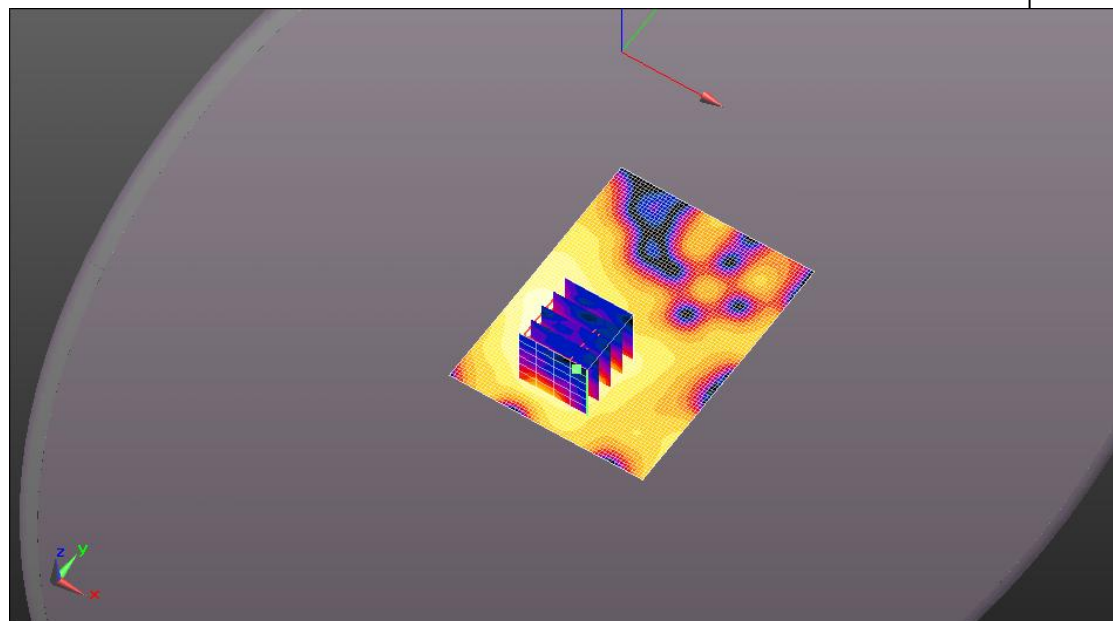
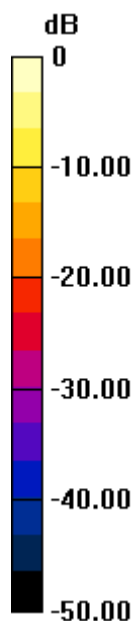
Reference Value = 2.522 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.085 mW/g

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.018 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0426 W/kg



0 dB = 0.0341 W/kg = -29.35 dB W/kg

GT-7325 WiFi 802.11b Body Right Side Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Right Side-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 1.311 V/m; Power Drift = 0.71 dB

Fast SAR: SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.011 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0308 W/kg

802.11b-10mm/Right Side-Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

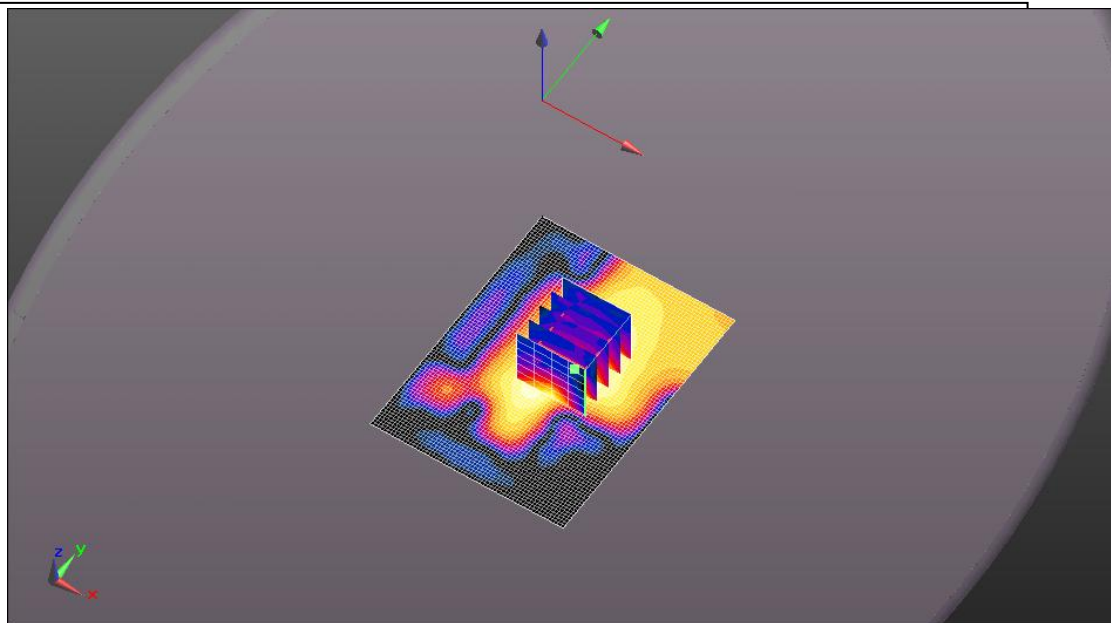
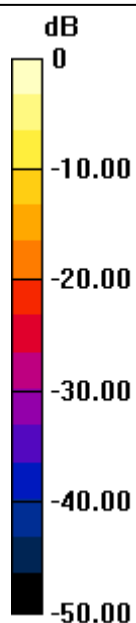
Reference Value = 1.311 V/m; Power Drift = 0.71 dB

Peak SAR (extrapolated) = 0.060 mW/g

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.013 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0378 W/kg



0 dB = 0.0308 W/kg = -30.23 dB W/kg

GT-7325 WiFi 802.11b Body Top Side Mid

DUT: MID; Type: default; Serial: **Not Specified**

Communication System: 802.11b WiFi 2.4GHz (DSSS, 1Mbps); Communication System Band: 802.11b;
Frequency: 2437 MHz; Communication System PAR: 3.599 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2012.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Top Side Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 1.900 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.013 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.0328 W/kg

802.11b-10mm/Top Side Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

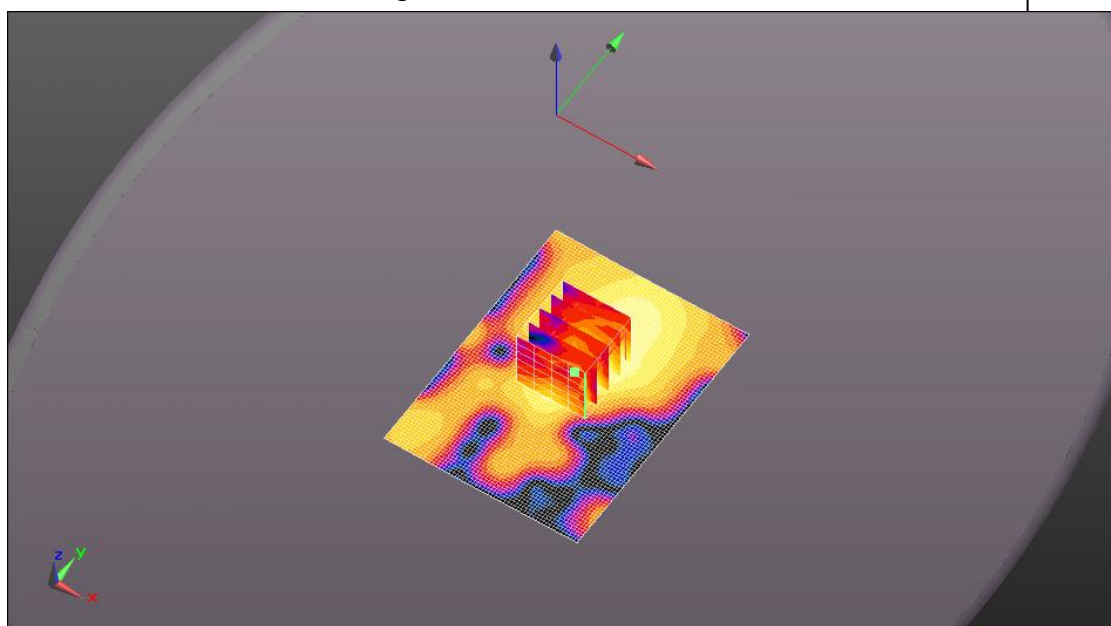
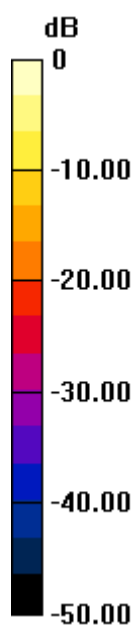
Reference Value = 1.900 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.059 mW/g

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.011 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0286 W/kg



0 dB = 0.0328 W/kg = -29.68 dB W/kg