SAR TEST REPORT

For

Mobile Phone

Model Number: NXL6C

FCC ID: COYI6CP

Report Number : WT 138003022

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection National Digital Electronic Product Testing Center
Site Location	:	No.4 Tongfa Road, Xili Town, Nanshan District, Shenzhen, Guangdong, China
Tel	:	0086-755-86928965
Fax	:	0086-755-86009898-31396
Web	:	www.smq.com.cn

Test report declaration

Applicant	:	JSR Limited
Address	:	Room 8, 12/F, Lucida Industrial Building, No.43-47 Wang Lung Street, Tsuen Wan, NT, Hong Kong.
Manufacturer	:	Shenzhen JSR Technology Co., LTD.
Address	:	2-3F,E building, Yu Jianfeng science and industry park, Huafan road, Tongheng community, Dalang, Baoan district, Shenzhen city, Guangdong
EUT Description	:	Mobile Phone
Model No.	:	NXL6C
Trade mark	:	innos
Serial Number	:	--
FCC ID	:	**COYI6CP**

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.
The test report shall not be reproduced in part without written approval of the laboratory.

Project Engineer: _____ Date: Oct.15,2013
(Wu Feiyun)

Checked by: _____ Date: Oct.15,2013
(Yang Dongping)

Approved by: _____ Date: Oct.15,2013
(Lin Bin)

TABLE OF CONTENTS

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	CDMA850	0.331	PCE	0.732
	CDMA1900	0.732		
	WLAN 2.4GHz Band	0.726	DTS	0.726
Body-worn(1.5cm Gap)	CDMA850	0.287	PCE	0.595
	CDMA1900	0.595		
	WLAN 2.4GHz Band	0.107	DTS	0.107
Body-worn(1.0cm Gap)	CDMA850	0.287	PCE	0.601
	CDMA1900	0.601		
	WLAN 2.4GHz Band	0.120	DTS	0.120

Highest Simultaneous Transmission SAR

Exposure Position	Frequency Band	Equipment Class	Highest Reported Simultaneous Transmission 1g-SAR (W/kg)
Head	CDMA1900	PCE 0.732	0.82
	Bluetooth	DSS 0.09	
Head	CDMA1900	PCE 0.732	1.45
	WIFI	DTS 0.726	
Body 1.5cm	CDMA1900	PCE 0.595	0.63
	Bluetooth	DSS 0.031	
Body 1.5cm	CDMA1900	PCE 0.595	0.70
	WIFI	DTS 0.107	
Body 1.0cm	CDMA1900	PCE 0.601	0.65
	Bluetooth	DSS 0.046	
Body 1.0cm	CDMA1900	PCE 0.601	0.72
	WIFI	DTS 0.120	

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	CDMA 2000 1XRTT ； Compatible to CDMA IS-95 A/B 800/1900MHz； CDMA 2000 1x EVDO Rev.0 800/1900 MHz； CDMA 2000 1x EVDO Rev.A 800/1900 MHz；
Modulation Mode	QPSK
Power Class	CDMA 800 MHz :+23 dBm（Power Class 3）； CDMA 1900 MHz +23 dBm（Power Class 2）；
Antenna type	Fixed Internal Antenna
Battery Model	BL-4N-i
Battery Specification	3.7V 1800mAh
Hardware Version	NXL-I6C+
Software Version	I6CP_ClearTalk_20130912_V1.8_eng

3.2. RF output power Tune up limit

Maximum Tune up Average power		
Mode	**CDMA 850**	**CDMA 1900**
1XRTT	**25.37**	**25.34**
EVDO Rel 0	**24.24**	**24.36**
EVDO Rev A	**24.78**	**24.41**

Mode / Band	**Bluetooth Average Power(dBm)**
Bluetooth	**3.41**

Maximum Target Average Power for Production Unit (dBm)					
	IEEE 802.11				
Mode / Band	**a**	**b**	**g**	**n-HT20**	**n-HT40**
WLAN 2.4 GHz Band	**--**	**14.4**	**12.21**	**12.92**	**--**

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:

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

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 head 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

1XRTT Call Setup

- Call Setup > Shift & Preset
- Cell Info > Cell Parameters > System ID (SID) > 8

> Network ID (NID) > 65535

- Protocol Rev > 6 (IS-2000-0)
- Radio Config (RC) > Please see following table or details
- FCH Service Option (SO) Setup > Please see following table or details
- Traffic Data Rate > Full
- TDSO SCH Info > F-SCH Parameters > F-SCH Data Rate > 153.6 kbps

> R-SCH Parameters > R-SCH Data Rate > 153.6 kbps

- Rvs Power Ctrl > Active bits

o Rvs Power Ctrl > All Up bits (Maximum TxPout)

EVDO Rel 0 Test Configuration

EVDO Release 0 - RTAP

- Call Setup > Shift & Preset
- Call Control:

o Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0

o Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots

- Call Parms:

o Cell Power > -105.5 dBm/1.23 MHz

o Cell Band > (Select US Cellular or US PCS)

o Channel > (Enter channel number)

o Application Config > Enhanced Test Application Protocol > RTAP

o RTAP Rate > 153.6 kbps

o Rvs Power Ctrl > Active bits

o Protocol Rel > 0 (1xEV-DO)

- Press “ Start Data Connection” when “ Session Open” appear in “ Active Cell”
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

EVDO Release 0 - FTAP

- Call Setup > Shift & Preset
- Call Control:

o Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0

o Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots

- Call Parms:

o Cell Power > -105.5 dBm/1.23 MHz

o Cell Band > (Select US Cellular or US PCS)

o Channel > (Enter channel number)

o Application Config > Enhanced Test Application Protocol > FTAP (default)

o FTAP Rate > 307.2 kbps (2 Slot, QPSK)

o Rvs Power Ctrl > Active bits

o Protocol Rel > 0 (1xEV-DO)

- Press " Start Data Connection" when " Session Open" appear in " Active Cell"
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

EVDO Rev A Test Configuration

EVDO Release A – RETAP

- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz
- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > RETAP
- R-Data Pkt Size > 4096
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2

> PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)

- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots

> ACK R-Data After > Subpacket 0 (All ACK)

- Rvs Power Ctrl > All Up bits (to get the maximum power)

EVDO Release A - FETAP

- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz

- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > FETAP
- F-Traffic Format > 4 (1024, 2,128) Canonical (307.2k, QPSK)
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2

> PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)

- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots

> ACK R-Data After > Subpacket 0 (All ACK)

- Rvs Power Ctrl > All Up bits (to get the maximum power)

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: ±0.2dB (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 μW/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 ± 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.

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 (ºC)

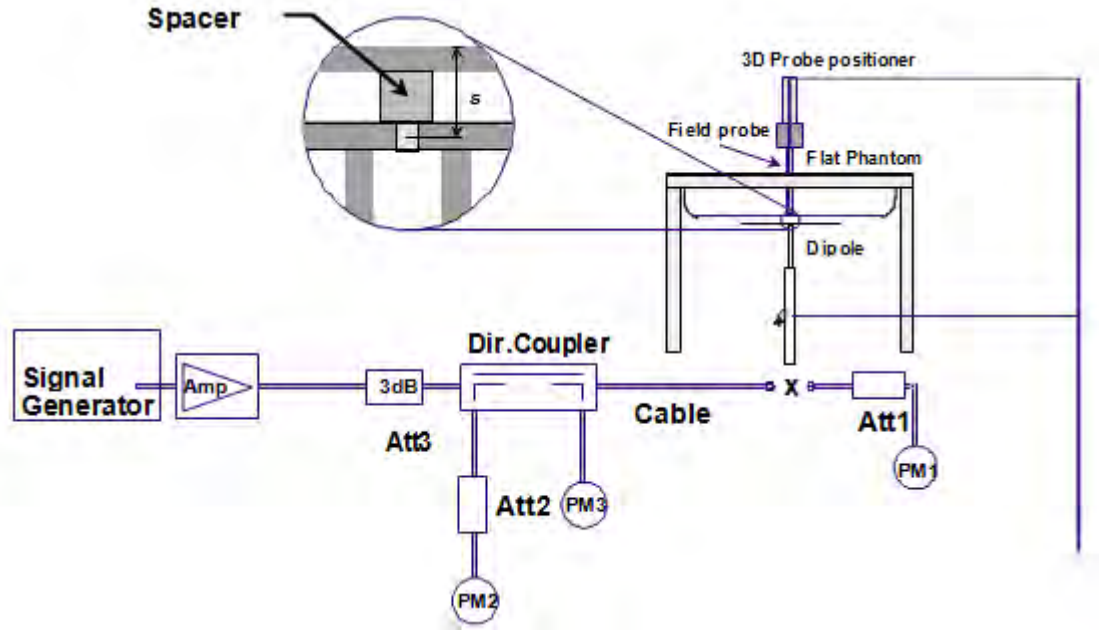
835	2013.10.11	ε_r =40.3	41.5	-2.90%	±5	22
		σ =0.93	0.90	3.34%		
1900	2013.10.12	ε_r =41.0	40.0	2.50%	±5	22
		σ =1.36	1.40	-2.86%		
2450	2013.10.12	ε_r =40.1	39.2	2.30%	±5	22
		σ =1.86	1.80	3.34%		

Body Tissue-equivalent liquid measurements:

f/MHz	Date Tested	Dielectric Parameters	Target	Delta(%)	Tolerance (%)	Temp (ºC)
835	2013.10.11	ε_r =54.1	55.2	2.04%	±5	21
		σ =0.98	0.97	1.03%		
1900	2013.10.12	ε_r =51.0	53.3	4.51%	±5	22
		σ =1.47	1.52	3.41%		
2450	2013.10.12	ε_r =51.3	52.7	2.73%	±5	22
		σ =1.94	1.95	0.52%		

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 (ºC)
835	2013.10.11	9.84	9.36	5.13%	±10	21
1900	2013.10.12	40.4	38.76	4.24%	±10	22
2450	2013.10.12	49.6	53.2	-6.77%	±10	22

System checking, Body Tissue-equivalent liquid:

f/MHz	Date Tested	SAR(W/kg), 1g	Target	Delta(%)	Tolerance (%)	Temp (ºC)
835	2013.10.11	9.28	9.76	-4.92%	±10	21

1900	2013.10.12	39.2	41.2	-4.86%	±10	22
2450	2013.10.12	51.76	52	-0.47%	±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

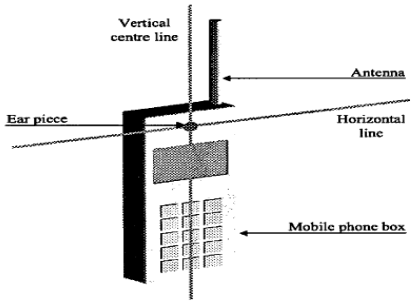
horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M, RE and LE) and align the center of the ear piece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

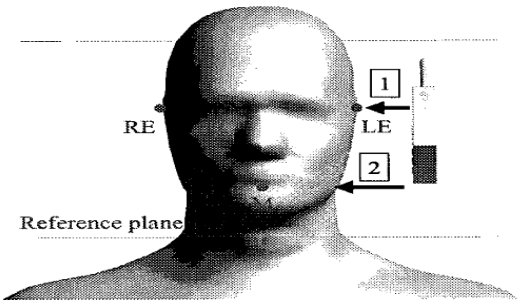
b) Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in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

Define of the " tilted" position:

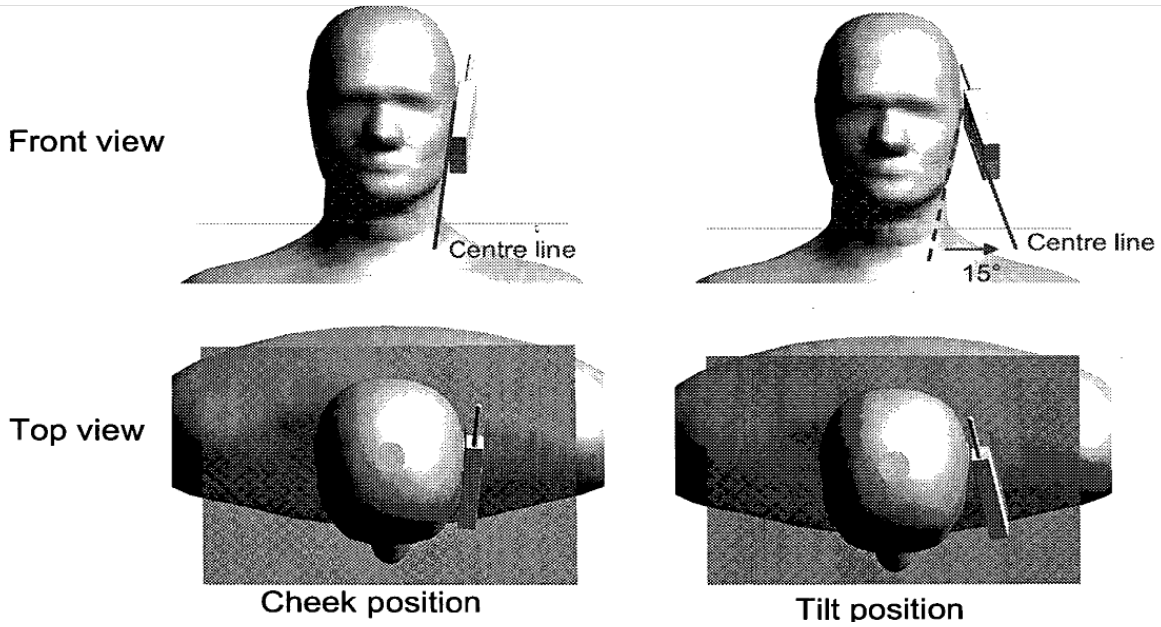
a) Position the device in the " cheek" position described above.

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



" Cheek" and " tilted" position of the mobile phone on the left side

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) veff
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 E_ects	±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 Re ections	±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

Conducted Power Measurement Results

1XRTT

Band	Mode	UL Ch No.	Freq. (MHz)	Average Power dBm
BC 0	RC1 SO55 (Loopback)	1,013	824.70	24.2
		384	836.52	24.2
		777	848.31	24.1
	RC3 SO55 (Loopback)	1,013	824.70	**24.5**
		384	836.52	24.5
		777	848.31	24.3
	RC3 SO32 (+F-SCH)	1,013	824.70	24.5
		384	836.52	24.4
		777	848.31	24.4
BC 1	RC1 SO55 (Loopback)	25	1,851.25	24.5
		600	1,880.00	24.5
		1,175	1,908.75	24.5
	RC3 SO55 (Loopback)	25	1,851.25	24.4
		600	1,880.00	**24.5**
		1,175	1,908.75	24.5
	RC3 SO32 (+F-SCH)	25	1,851.25	24.5
		600	1,880.00	24.5
		1,175	1,908.75	24.5

EVDO Rel 0

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)
BC 0	Fwd11/Rvs8SO75 (Loopback)	1,013	824.70	**24.2**
		384	836.52	24.2
		777	848.31	24.2
BC 1	Fwd11/Rvs8SO75 (Loopback)	25	1,851.25	24.2
		600	1,880.00	24.2
		1,175	1,908.75	24.1

EVDO Rev A

Band	FTAP Rate	RTAP Rate	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)
BC 0	307.2 kbps(2 slot, QPSK)	153.6 kbps	1,013	824.70	24.2
			384	836.52	24.2
			777	848.31	24.2
BC1	307.2 kbps(2 slot, QPSK)	153.6 kbps	25	1,851.25	24.2
			600	1,880.00	24.2
			1,175	1,908.75	24.2

Band	FETAP Traffic Format	RETAP Data Payload Size	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)
BC 0	307.2k, QPSK/ ACK channel is transmitted at all the slots	4,096	1,013	824.70	24.2
			384	836.52	24.2
			777	848.31	24.2
BC1	307.2k, QPSK/ ACK channel is transmitted at all the slots	4,096	25	1,851.25	24.2
			600	1,880.00	24.2
			1,175	1,908.75	24.0

Remark:
1. This device does NOT support EVDO Rev B 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	13.88	13.83	13.72
CH 06	2,437	14.1	13.36	12.89	13.44
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	12.1	11.35	11.4	11.32	11.24	11.12	10.9	10.78
CH 06	2,437	12	11.81	11.78	11.84	11.89	11.56	11.28	11.13
CH 11	2,462	11.5	11.33	11.28	11.08	11.13	11.03	10.65	10.51

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

Remark:

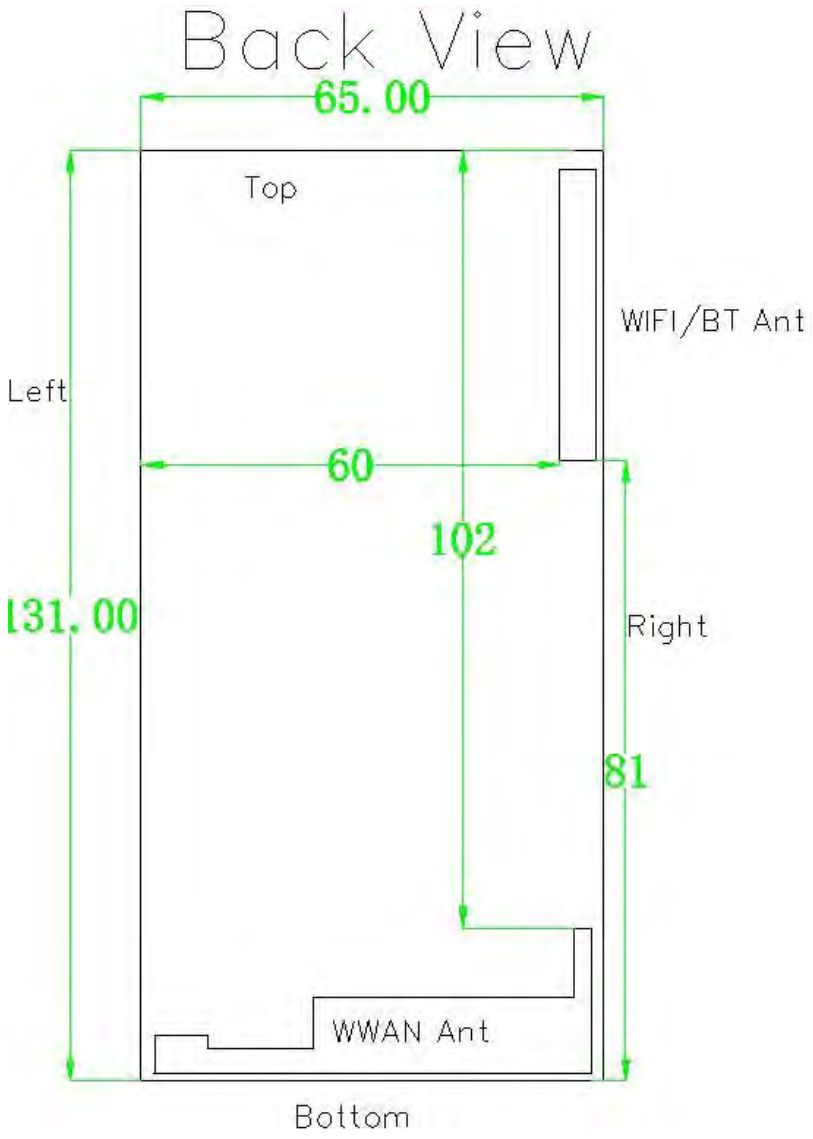
1. Per KDB 248227 D01 v01r02, choose the highest output power channel to test SAR and determine further SAR exclusion
2. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 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	2.31
CH 39	2,441	2.12
CH 78	2,480	2.22

8. EXPOSURE POSITIONS CONSIDERATION

Back view



Distance of the Antenna to the EUT surface/edge Test distance: 10 mm						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
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 Test distance: 10 mm

Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Main	Yes	Yes	NO	Yes	Yes	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, 15mm for body-worn SAR for the DUT.
2 For minimum test separation distance ≤50mm, Bluetooth standalone SAR test exclusion power threshold is determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(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

	Wireless Interface	**Bluetooth**
Exposure Position	Tune-up Maximum power (dBm)	3.41
	Tune-up Maximum rated power (mW)	2
Head	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

9. SAR TEST RESULTS

Remark:

1. Per KDB 447498 D01v05, for each exposure position, if the mid channel or highest output channel reported SAR ≤0.8W/kg, other channels SAR testing are not necessary
2. There is no proximity sensor controlled power reduction mechanism applied.

9.1. Head SAR results

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)
CDMA850	1xRTT(RC3, SO55)	Left Cheek	384	836.52	24.5	25.37	1.222	0.143	0.175
CDMA850	1xRTT(RC3, SO55)	Left Tilted	384	836.52	24.5	25.37	1.222	0.09	0.110
CDMA850	1xRTT(RC3, SO55)	Right Cheek	384	836.52	24.5	25.37	1.222	0.271	0.331
CDMA850	1xRTT(RC3, SO55)	Right Tilted	384	836.52	24.5	25.37	1.222	0.125	0.153
CDMA850	1xEVDO(Rel. 0)	Left Cheek	384	836.52	24.2	24.24	1.009	0.019	0.019
CDMA850	1xEVDO(Rel. 0)	Left Tilted	384	836.52	24.2	24.24	1.009	0.012	0.012
CDMA850	1xEVDO(Rel. 0)	Right Cheek	384	836.52	24.2	24.24	1.009	0.028	0.028
CDMA850	1xEVDO(Rel. 0)	Right Tilted	384	836.52	24.2	24.24	1.009	0.008	0.008

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)
CDMA1900	1xRTT(RC3, SO55)	Left Cheek	600	1880	24.5	25.34	1.213	0.374	0.454
CDMA1900	1xRTT(RC3, SO55)	Left Tilted	600	1880	24.5	25.34	1.213	0.303	0.368
CDMA1900	1xRTT(RC3, SO55)	Right Cheek	600	1880	24.5	25.34	1.213	0.603	0.732
CDMA1900	1xRTT(RC3, SO55)	Right Tilted	600	1880	24.5	25.34	1.213	0.432	0.524
CDMA1900	1xEVDO(Rel. 0)	Left Cheek	600	1880	24.2	24.36	1.038	0.187	0.194
CDMA1900	1xEVDO(Rel. 0)	Left Tilted	600	1880	24.2	24.36	1.038	0.204	0.212
CDMA1900	1xEVDO(Rel. 0)	Right Cheek	600	1880	24.2	24.36	1.038	0.187	0.194
CDMA1900	1xEVDO(Rel. 0)	Right Tilted	600	1880	24.2	24.36	1.038	0.239	0.248

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)
WIFI 2.4G	11b	Left Cheek	6	2437	14.2	14.4	1.047	0.279	0.292
WIFI 2.4G	11b	Left Tilted	6	2437	14.2	14.4	1.047	0.403	0.422
WIFI 2.4G	11b	Right Cheek	6	2437	14.2	14.4	1.047	0.693	0.726
WIFI 2.4G	11b	Right Tilted	6	2437	14.2	14.4	1.047	0.317	0.332

9.2. Body SAR results

Distance 15mm

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)
CDMA850	1xRTT(RC3, SO55)	Face up	384	836.52	24.5	25.37	1.222	0.065	0.079
CDMA850	1xRTT(RC3, SO55)	Face down	384	836.52	24.5	25.37	1.222	0.235	0.287
CDMA850	1xEVDO(Rel. 0)	Face up	384	836.52	24.2	24.24	1.009	0.117	0.118
CDMA850	1xEVDO(Rel. 0)	Face down	384	836.52	24.2	24.24	1.009	0.123	0.124
CDMA1900	1xRTT(RC3, SO55)	Face up	600	1880	24.5	25.34	1.213	0.294	0.357
CDMA1900	1xRTT(RC3, SO55)	Face down	600	1880	24.5	25.34	1.213	0.490	0.595
CDMA1900	1xEVDO(Rel. 0)	Face up	600	1880	24.2	24.36	1.038	0.356	0.369
CDMA1900	1xEVDO(Rel. 0)	Face down	600	1880	24.2	24.36	1.038	0.549	0.570
WIFI 2.4G	11b	Face up	6	2437	14.2	14.4	1.047	0.068	0.071
WIFI 2.4G	11b	Face down	6	2437	14.2	14.4	1.047	0.102	0.107

Distance 10mm Hotspot

Band	Mode	Test Position	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Scaling Factor	Measured SAR (W/kg)	Reported SAR (W/kg)
CDMA850	1xRTT(RC3, SO55)	Front	384	836.52	24.5	25.37	1.222	0.066	0.081
CDMA850	1xRTT(RC3, SO55)	Back	384	836.52	24.5	25.37	1.222	0.235	0.287
CDMA850	1xRTT(RC3, SO55)	Bottom	384	836.52	24.5	25.37	1.222	0.111	0.136
CDMA850	1xRTT(RC3, SO55)	Left	384	836.52	24.5	25.37	1.222	0.08	0.098
CDMA850	1xRTT(RC3, SO55)	Right	384	836.52	24.5	25.37	1.222	0.087	0.106
CDMA850	1xEVDO(Rel. 0)	Front	384	836.52	24.2	24.24	1.009	0.117	0.118
CDMA850	1xEVDO(Rel. 0)	Back	384	836.52	24.2	24.24	1.009	0.123	0.124
CDMA850	1xEVDO(Rel. 0)	Bottom	384	836.52	24.2	24.24	1.009	0.024	0.024
CDMA850	1xEVDO(Rel. 0)	Left	384	836.52	24.2	24.24	1.009	0.045	0.045
CDMA850	1xEVDO(Rel. 0)	Right	384	836.52	24.2	24.24	1.009	0.094	0.095
CDMA1900	1xRTT(RC3, SO55)	Front	600	1880	24.5	25.34	1.213	0.294	0.357
CDMA1900	1xRTT(RC3, SO55)	Back	600	1880	24.5	25.34	1.213	0.495	0.601
CDMA1900	1xRTT(RC3, SO55)	Bottom	600	1880	24.5	25.34	1.213	0.137	0.166
CDMA1900	1xRTT(RC3, SO55)	Left	600	1880	24.5	25.34	1.213	0.158	0.192
CDMA1900	1xRTT(RC3, SO55)	Right	600	1880	24.5	25.34	1.213	0.226	0.274
CDMA1900	1xEVDO(Rel. 0)	Front	600	1880	24.2	24.36	1.038	0.356	0.369
CDMA1900	1xEVDO(Rel. 0)	Back	600	1880	24.2	24.36	1.038	0.549	0.570
CDMA1900	1xEVDO(Rel. 0)	Bottom	600	1880	24.2	24.36	1.038	0.146	0.151
CDMA1900	1xEVDO(Rel. 0)	Left	600	1880	24.2	24.36	1.038	0.082	0.085
CDMA1900	1xEVDO(Rel. 0)	Right	600	1880	24.2	24.36	1.038	0.14	0.145
WIFI 2.4G	11b	Front	6	2437	14.2	14.4	1.047	0.032	0.034
WIFI 2.4G	11b	Back	6	2437	14.2	14.4	1.047	0.055	0.058
WIFI 2.4G	11b	Top	6	2437	14.2	14.4	1.047	0.115	0.120
WIFI 2.4G	11b	Right	6	2437	14.2	14.4	1.047	0.075	0.079

9.3. 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 ⩾0.8W/kg.

2 KDB 865664 D01v01, if the deviation among the repeated measurement is ⩽20% and the measured SAR<1.45W/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
--										
--										

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) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]• [√f(GHz)/x] W/kg for test separation distances ≤ 50 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 mm.

Body 15mm

Wireless Interface	Bluetooth
Tune-up Maximum power (dBm)	3.41
Rounded Power in mW	2
Distance mm	15
Frequency GHz	2.45
Estimated SAR for simultaneous transmission analysis	0.031

Body 10mm

Wireless Interface	Bluetooth
Tune-up Maximum power (dBm)	3.41
Rounded Power in mW	2
Distance mm	10
Frequency GHz	2.45
Estimated SAR for simultaneous transmission analysis	0.046

Head 0mm

Wireless Interface	Bluetooth
Tune-up Maximum power (dBm)	3.41
Rounded Power in mW	2
Distance mm	5
Frequency GHz	2.45
Estimated SAR for simultaneous transmission analysis	0.09

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

(i) Scalar SAR summation < 1.6W/kg.

(ii) SPLSR = (SAR1 + SAR2)1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.

If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.

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

Simultaneously transmission Analysis of the highest reported SAR

Head

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN SAR (W/kg)	Estimated Bluetooth SAR (W/kg)		SPLSR≤ 0.04	
Right Cheek	CDMA1900	0.732	0.09	0.82	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN SAR (W/kg)	Max DTS SAR (W/kg)		SPLSR≤ 0.04	
Right Cheek	CDMA1900	0.732	0.726	1.45	-	Excluded

Body 15mm

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)		Simultaneous transmission SAR test exclusion
Position	WWAN Band	Max. WWAN SAR (W/kg)	Estimated Bluetooth SAR (W/kg)		SPLSR≤ 0.04	
Face down	WCDMA1900	0.595	0.031	0.626	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)		Simultaneous transmission SAR test exclusion
Position	**WWAN Band**	**Max. WWAN SAR (W/kg)**	**Max DTSSAR (W/kg)**		**SPLSR≤ 0.04**	
Face down	WCDMA1900	0.595	0.107	0.702	-	Excluded

Body 10mm

	WWAN (PCE)		Bluetooth (DSS)	WWAN+ Bluetooth (W/kg)		Simultaneous transmission SAR test exclusion
Position	**WWAN Band**	**Max. WWAN SAR (W/kg)**	**Estimated Bluetooth SAR (W/kg)**		**SPLSR≤ 0.04**	
Back	WCDMA1900	0.601	0.046	0.647	-	Excluded

	WWAN (PCE)		WIFI 2.4G (DTS)	WWAN+ DTS (W/kg)		Simultaneous transmission SAR test exclusion
Position	**WWAN Band**	**Max. WWAN SAR (W/kg)**	**Max DTSSAR (W/kg)**		**SPLSR≤ 0.04**	
Back	WCDMA1900	0.601	0.120	0.721	-	Excluded

APPENDIX A: SYSTEM CHECKING SCANS

SystemPerformanceCheck-D835 Head

Date: 2013.10.11

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

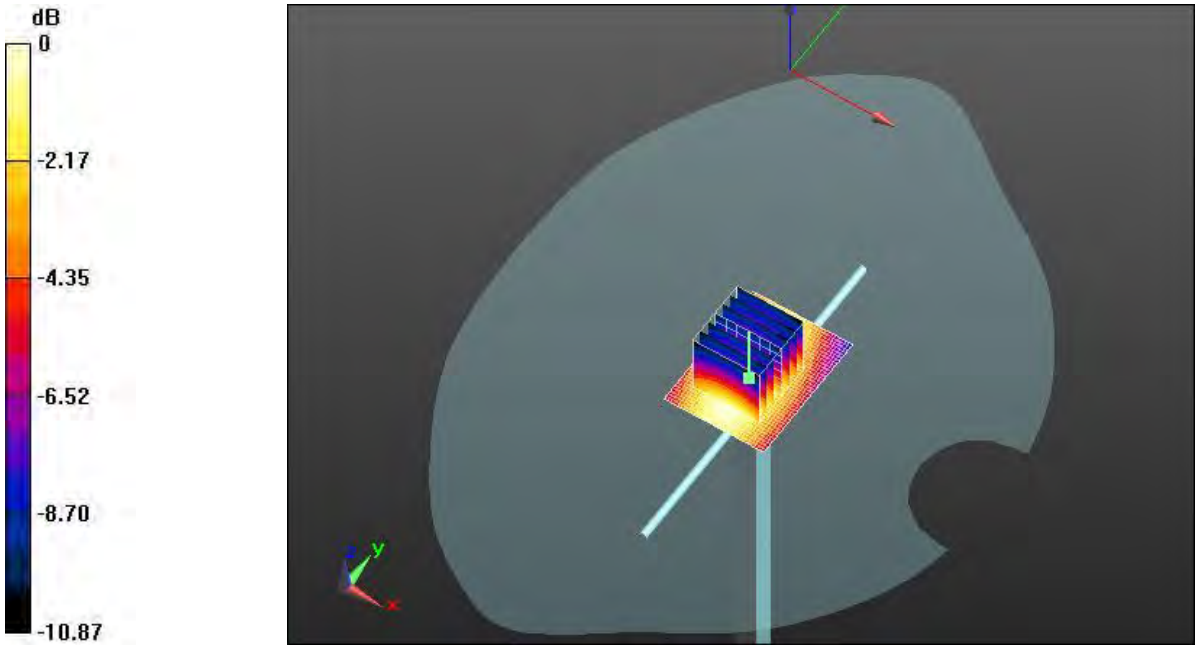
Communication System: CW; Communication System Band: Not Specified; Frequency: 835 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 835 MHz; σ = 0.93 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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: 2013.09.28.
- 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 = 53.220V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.51 mW/g
Maximum value of SAR (interpolated) = 2.57 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 = 53.220V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.506
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 2.56 mW/g



0 dB = 2.57mW/g = 8.19 dB mW/g

SystemPerformanceCheck-D835 Body

Date: 2013.10.11

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

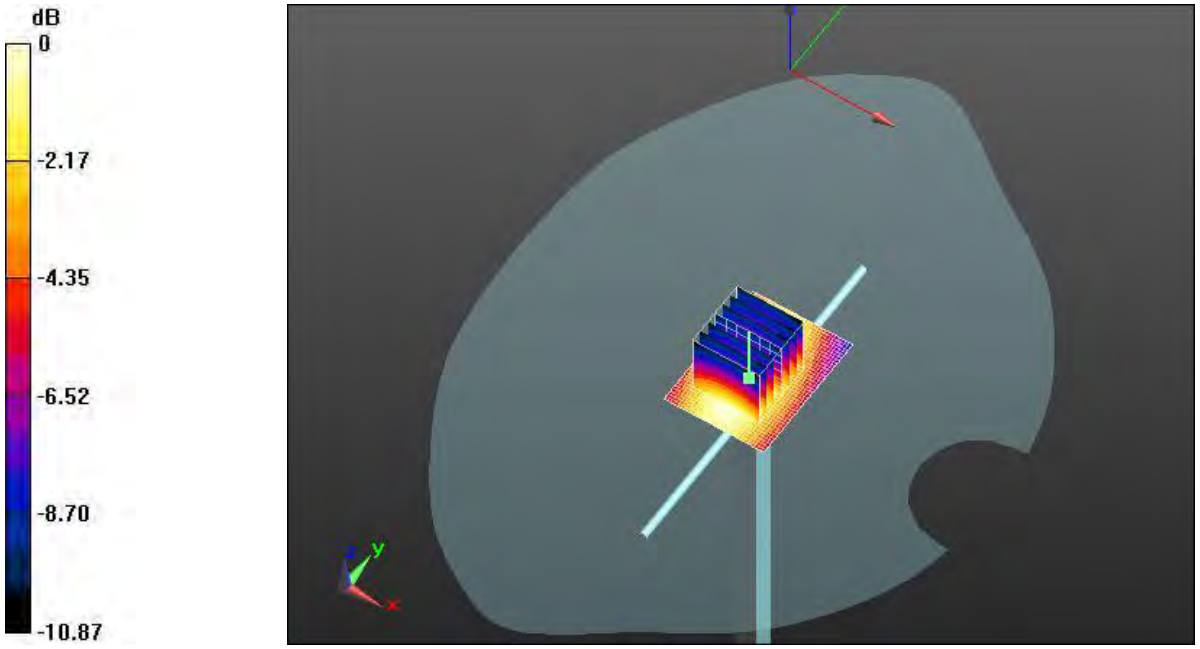
Communication System: CW; Communication System Band: Not Specified; Frequency: 835 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 835 MHz; σ = 0.98 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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: 2013.09.28.
- 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 = 46.887V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.51 mW/g
Maximum value of SAR (interpolated) = 2.67 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 = 46.887V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.614
SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.53 mW/g
Maximum value of SAR (measured) = 2.63 mW/g



0 dB = 2.67mW/g = 8.53 dB mW/g

SystemPerformanceCheck-D1900 Head

Date: 2013.10.12

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

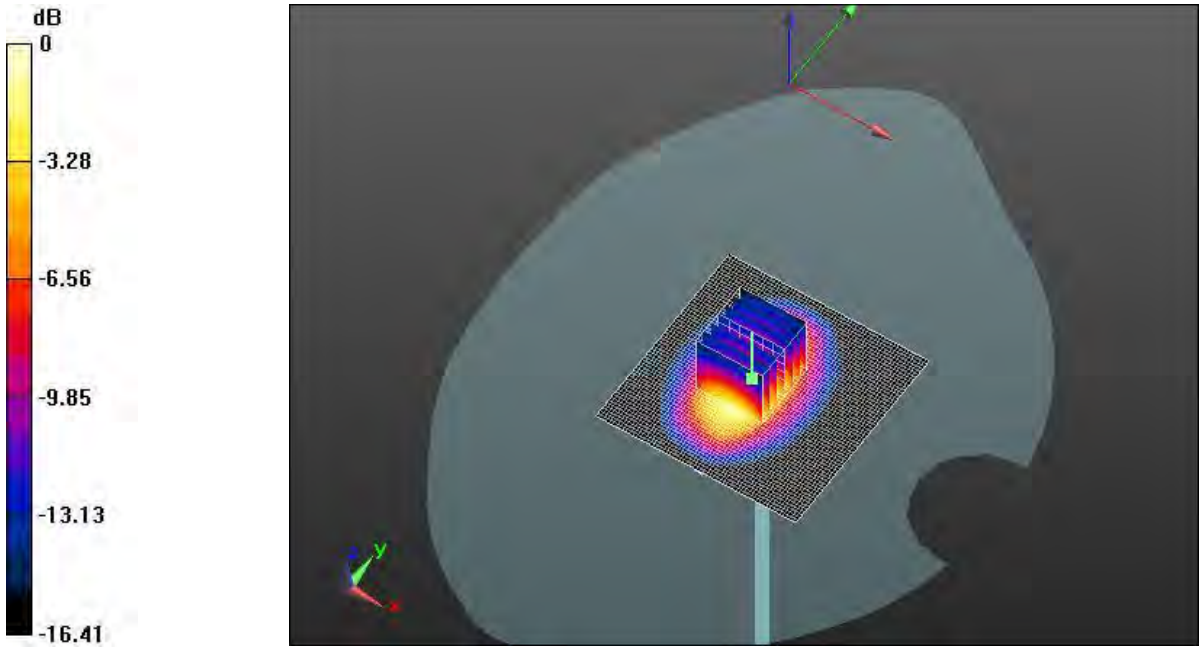
Communication System: CW; Communication System Band: Not Specified; Frequency: 1900 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.36 mho/m; ε_r = 41.0; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2012.10.24.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2013.09.28.
- 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 = 93.472 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 10.08 mW/g; SAR(10 g) = 5.45 mW/g
Maximum value of SAR (interpolated) = 11.2 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 = 93.472V/m; Power Drift = -0.01dB
Peak SAR (extrapolated) = 17.921 W/kg
SAR(1 g) = 10.10 mW/g; SAR(10 g) = 5.32 mW/g
Maximum value of SAR (measured) = 11.0 mW/g



0 dB = 11.2mW/g = 20.98 dB mW/g

SystemPerformanceCheck-D1900 Body

Date 2013.10.12.

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

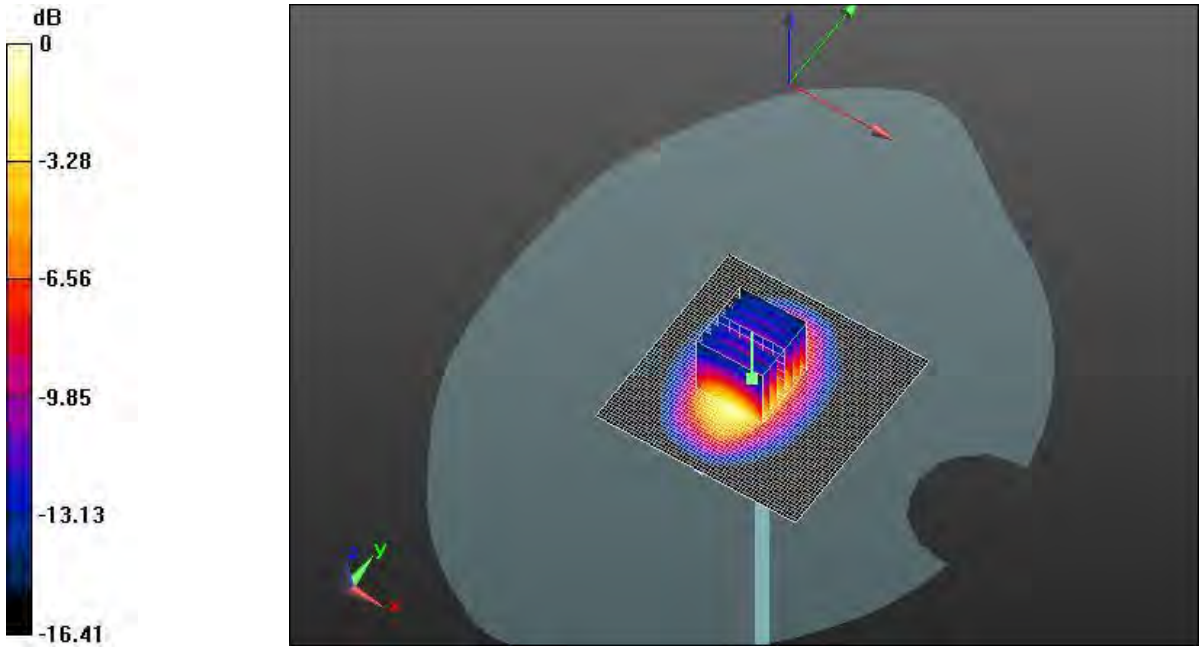
Communication System: CW; Communication System Band: Not Specified; Frequency: 1900 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1900 MHz; σ = 1.47 mho/m; ε_r = 51.0; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.69, 4.69, 4.69); Calibrated: 2012.10.12.
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2013.09.28.
- 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 = 84.009V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 9.90 mW/g; SAR(10 g) = 4.56 mW/g
Maximum value of SAR (interpolated) = 11.2 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 = 84.009V/m; Power Drift = -0.02dB
Peak SAR (extrapolated) = 16.43 W/kg
SAR(1 g) = 9.80 mW/g; SAR(10 g) = 4.54 mW/g
Maximum value of SAR (measured) = 11.7 mW/g



0 dB = 11.2mW/g = 20.98 dB mW/g

SystemPerformanceCheck-D2450 Head

Date: 2013.10.12

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; σ = 1.86 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
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: 2012.10.24.

Sensor-Surface: 4mm (Mechanical Surface Detection)

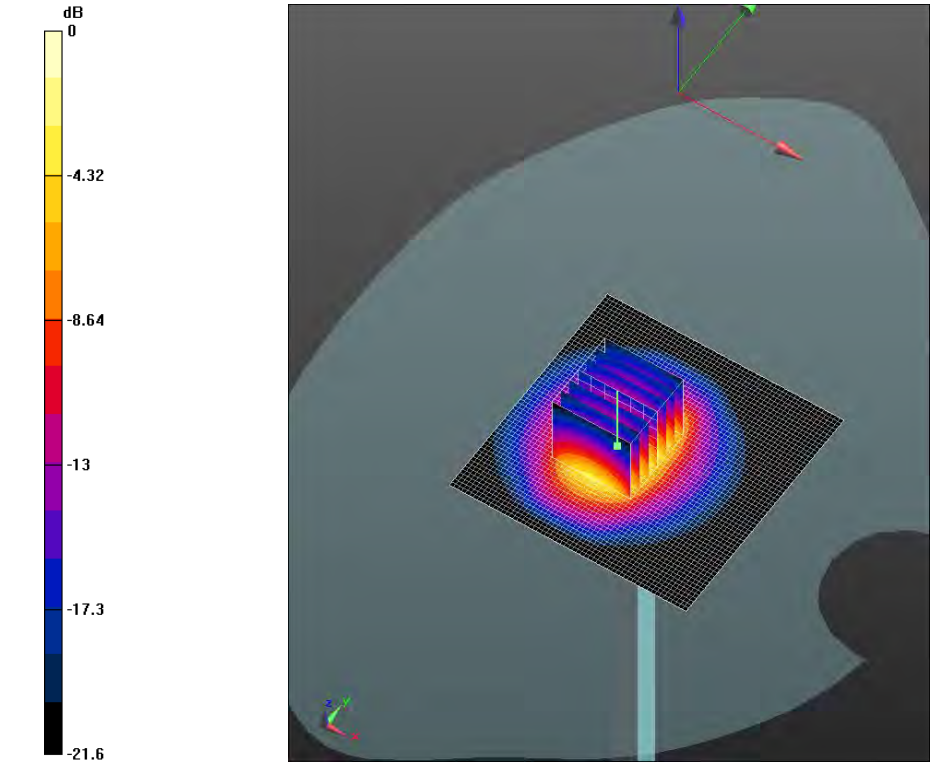
Electronics: DAE4 Sn876; Calibrated: 2013.09.28.

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 = 94.225V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 12.3 mW/g; SAR(10 g) = 5.95 mW/g
Maximum value of SAR (interpolated) = 14.1 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 = 94.225 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 25.964 W/kg
SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.82 mW/g
Maximum value of SAR (measured) = 14.7 mW/g



0 dB = 14.1mW/g = 22.98 dB mW/g

SystemPerformanceCheck-D2450 Body

Date: 2013.10.12.

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; σ = 1.94 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
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: 2012.10.24.

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn876; Calibrated: 2013.09.28.

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

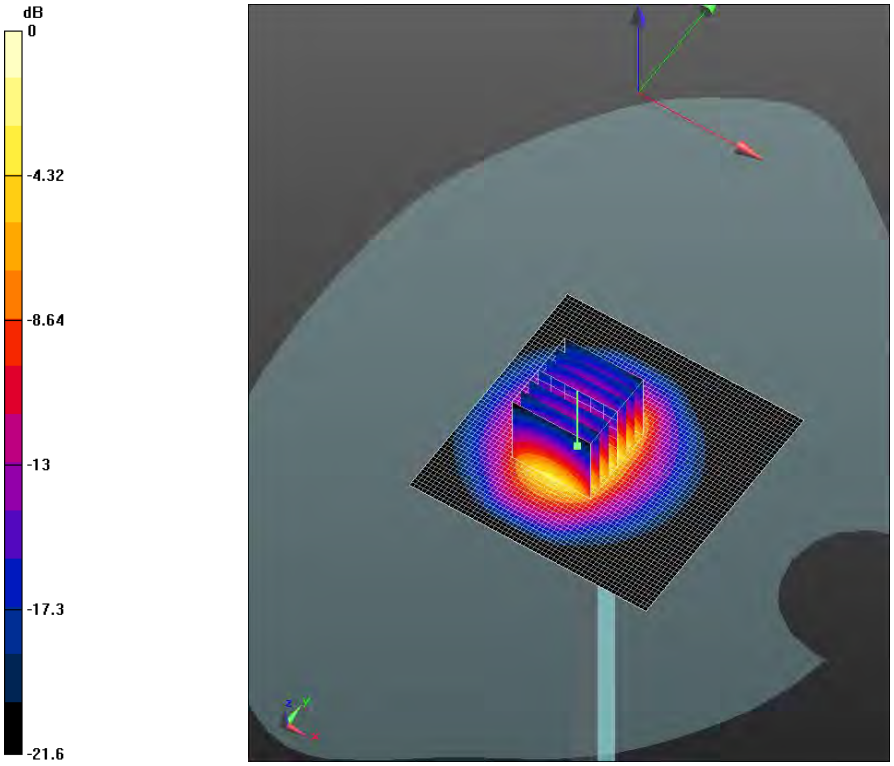
Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

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

Reference Value = 93.737 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 13.3 mW/g; SAR(10 g) = 5.95 mW/g

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 = 93.737 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 25.7 W/kg
SAR(1 g) = 12.94 mW/g; SAR(10 g) = 6.04 mW/g
Maximum value of SAR (measured) = 16.3 mW/g



0 dB = 16.1mW/g = 24.55 dB 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 Ration
2013-10-12	3203	1800	Head	Pass	Pass	Pass	QPSK	Pass	N/A
2013-10-12	3203	1800	Body	Pass	Pass	Pass	QPSK	Pass	N/A
2013-10-11	3203	900	Head	Pass	Pass	Pass	QPSK	Pass	N/A
2013-10-11	3203	900	Body	Pass	Pass	Pass	QPSK	Pass	N/A
2013-10-12	2450	900	Head	Pass	Pass	Pass	OFDM	N/A	N/A
2013-10-12	2450	900	Body	Pass	Pass	Pass	OFDM	N/A	N/A

APPENDIX C: SAR Plots

innos i6C+ CDMA BC0 Head Left Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

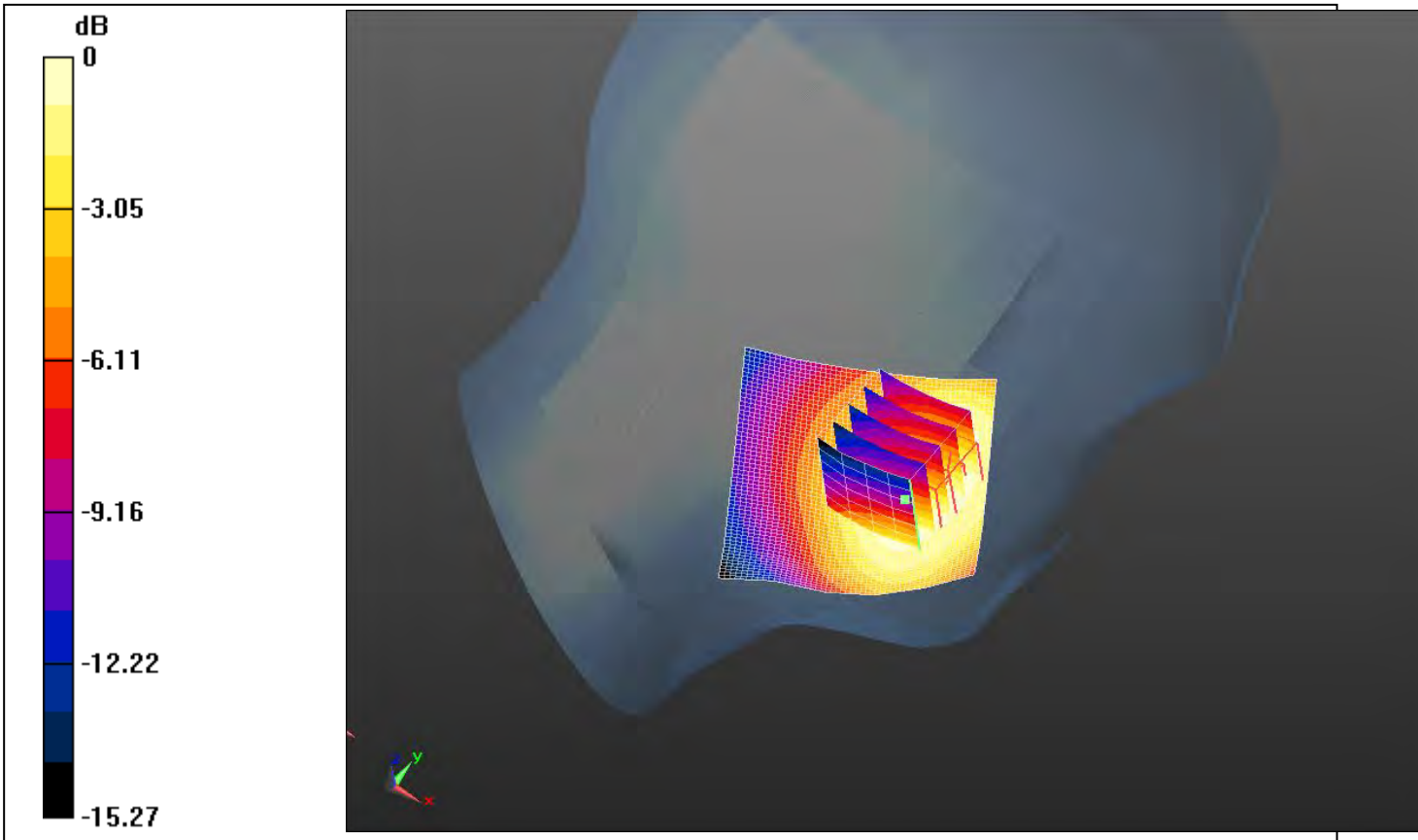
CDMA BC0--Left Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.155 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.238 W/kg

CDMA BC0--Left Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.172 mW/g
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.104 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.238 W/kg = -12.46 dB W/kg

innos i6C+ CDMA BC0 Head Left Tilted Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

Phantom section: Left Section

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

DASY5 Configuration:

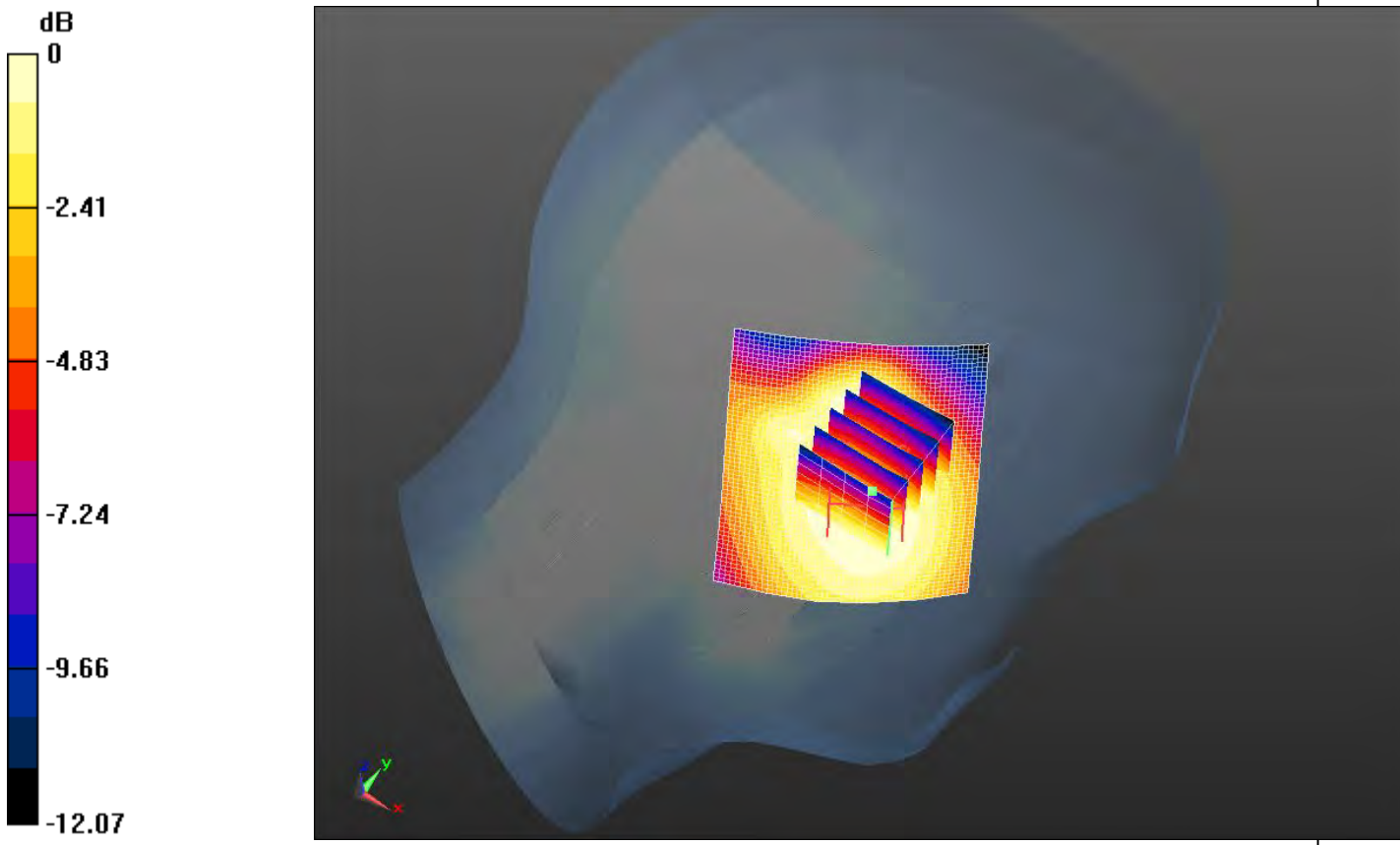
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--Left Titled/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.088 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.133 W/kg

CDMA BC0--Left Titled/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.107 mW/g
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.073 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0939 W/kg



0 dB = 0.133 W/kg = -17.51 dB W/kg

innos i6C+ CDMA BC0 Head Right Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

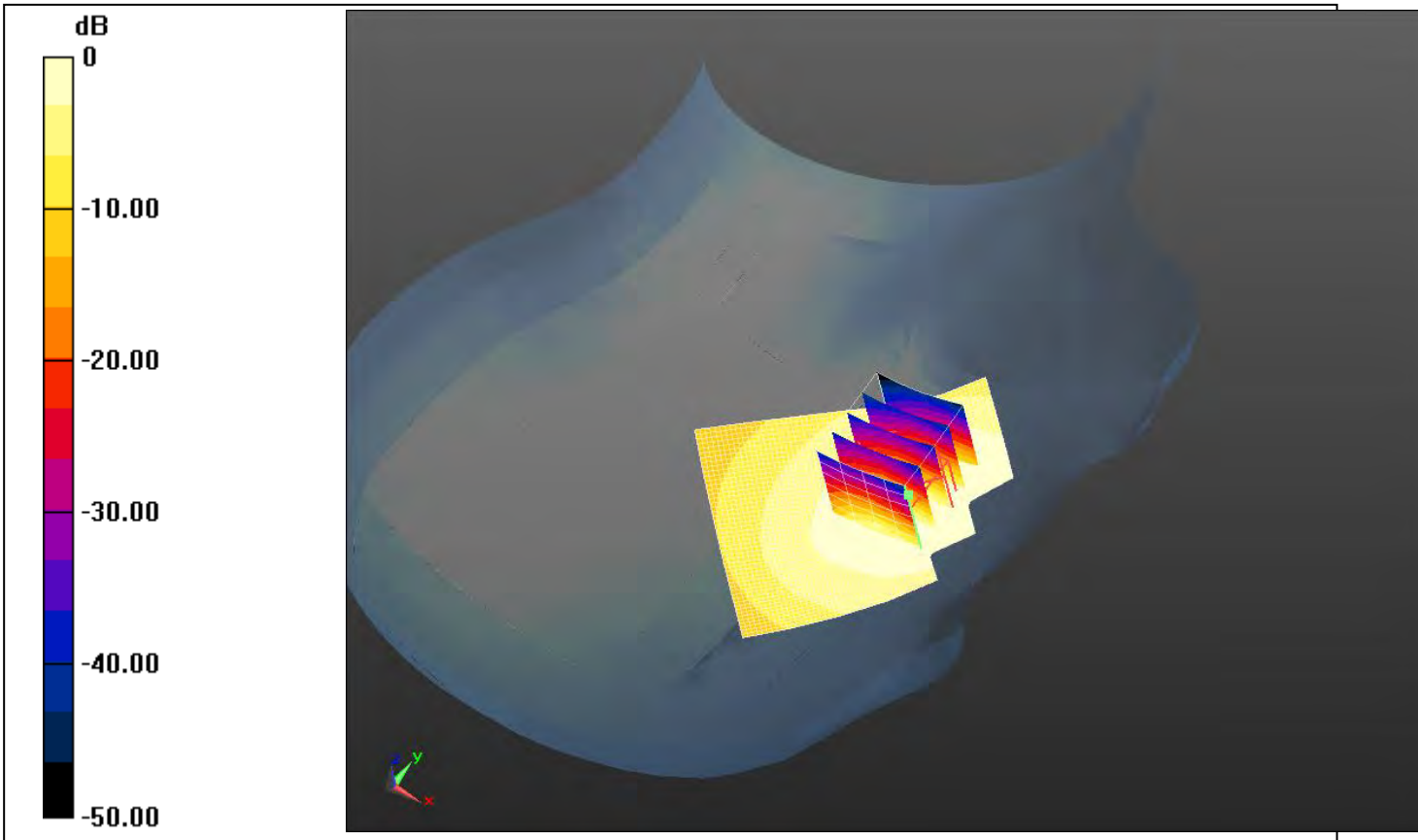
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--RIght Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.153 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.237 W/kg

CDMA BC0--RIght Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.309 mW/g
SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.208 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.237 W/kg = -12.50 dB W/kg

innos i6C+ CDMA BC0 Head Right Tilted Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

Phantom section: Right Section

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

DASY5 Configuration:

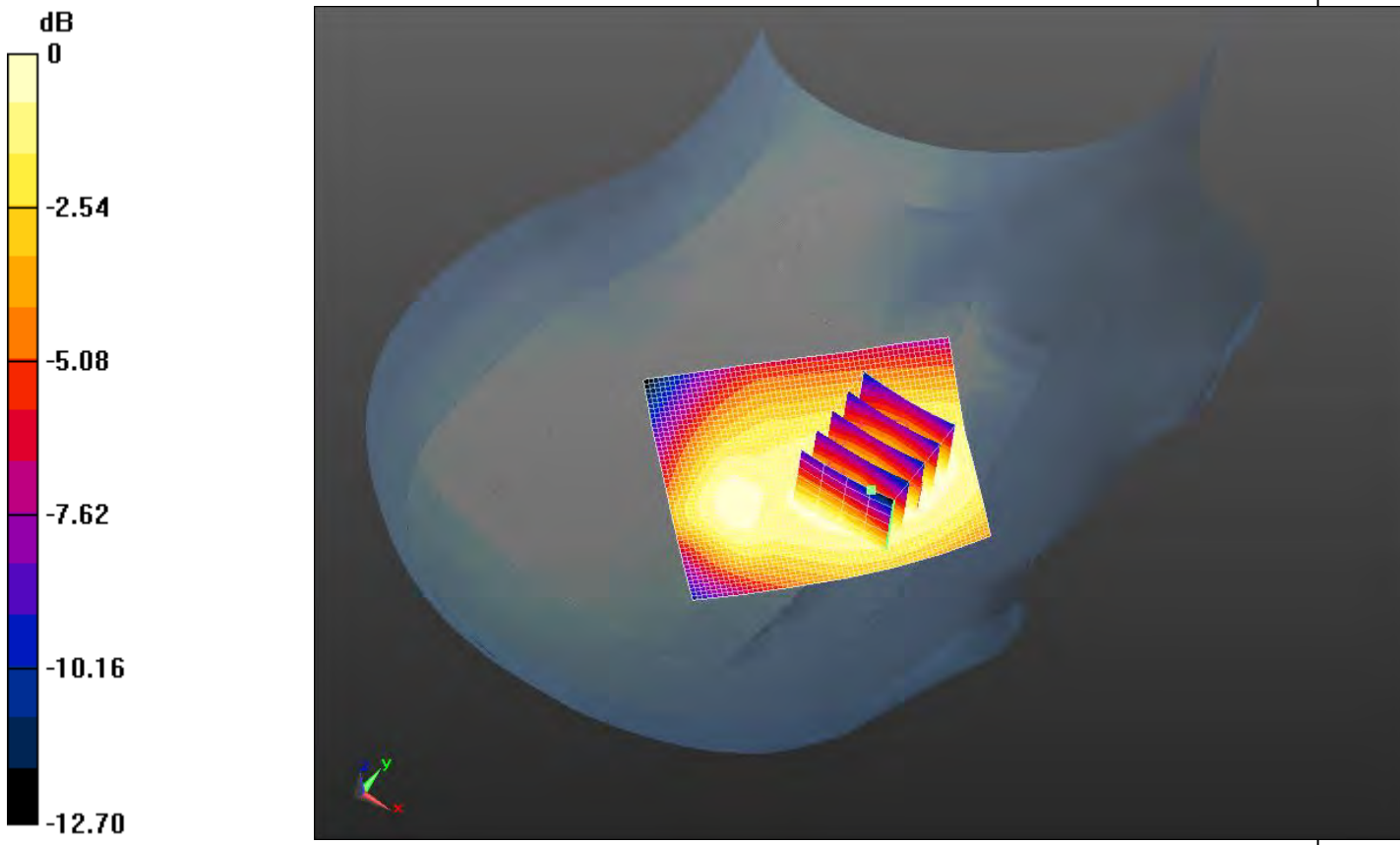
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--RIght Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.080 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.122 W/kg

CDMA BC0--RIght Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.139 mW/g
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.101 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.122 W/kg = -18.26 dB W/kg

innos i6C+ EVDO BC0 Head Left Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

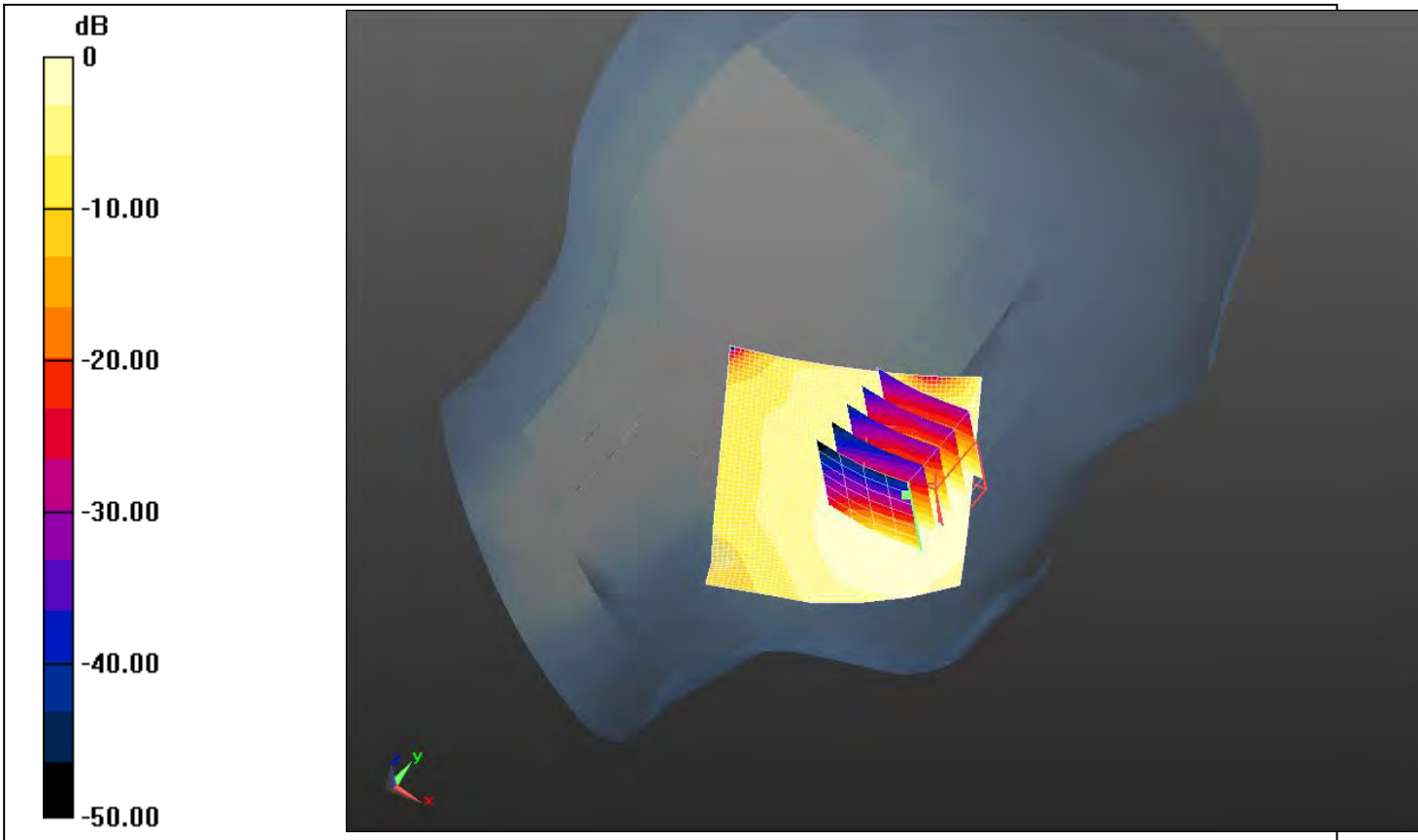
EVDO BCo-Left Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.020 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0312 W/kg

EVDO BCo-Left Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.023 mW/g
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.014 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0199 W/kg



0 dB = 0.0312 W/kg = -30.12 dB W/kg

innos i6C+ EVDO BC0 Head Left Tilted Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

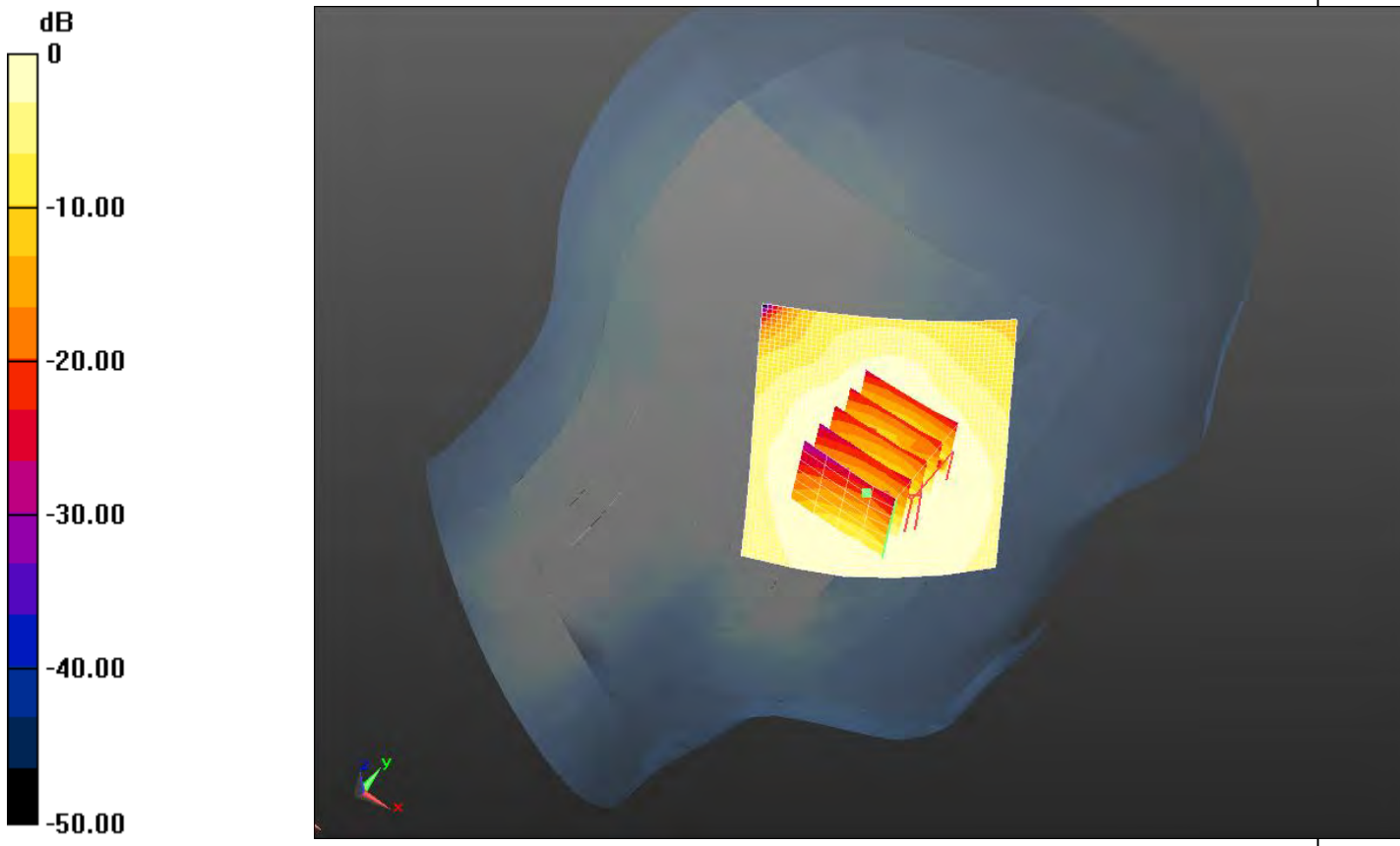
EVDO BCo-Left Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00999 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0153 W/kg

EVDO BCo-Left Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.032 mW/g
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00915 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0117 W/kg



0 dB = 0.0153 W/kg = -36.31 dB W/kg

innos i6C+ EVDO BC0 Head Right Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

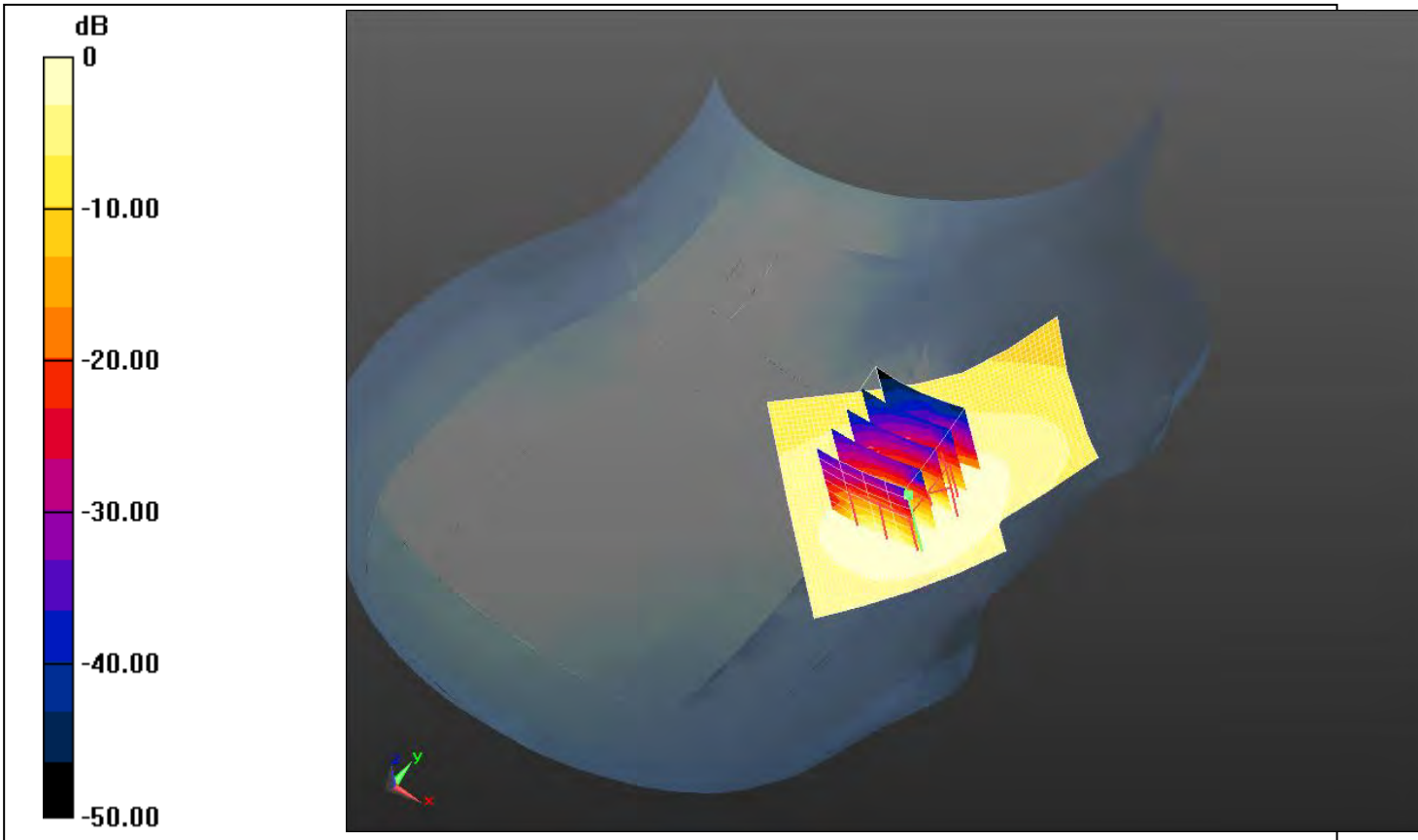
EVDO BCo-Right Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.014 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0232 W/kg

EVDO BCo-Right Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.115 mW/g
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.019 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0275 W/kg



0 dB = 0.0232 W/kg = -32.68 dB W/kg

innos i6C+ EVDO BC0 Head Right Tilted Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

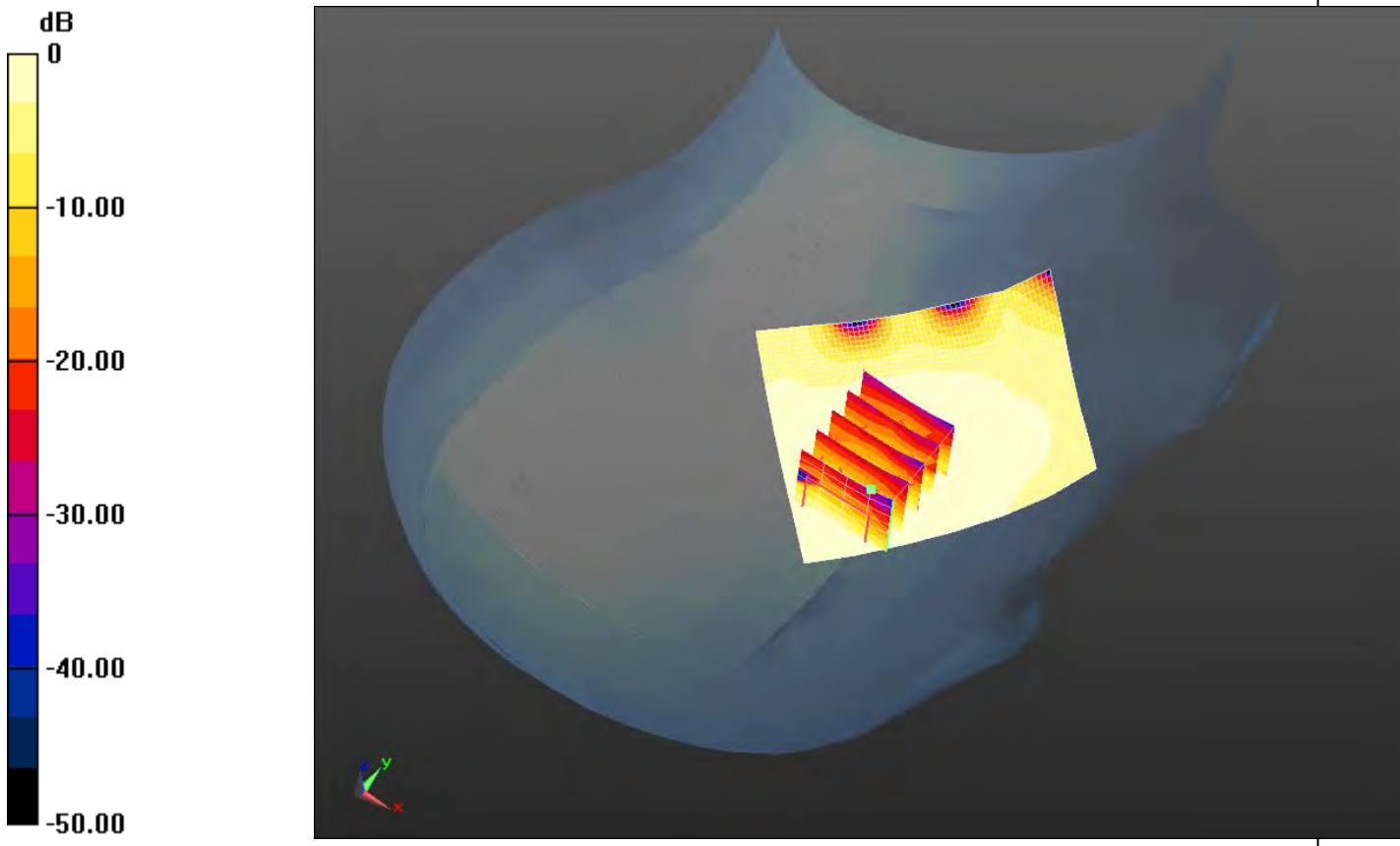
EVDO BCo-Right Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.00713 mW/g; SAR(10 g) = 0.00499 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.00754 W/kg

EVDO BCo-Right Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.00897 mW/g
SAR(1 g) = 0.00799 mW/g; SAR(10 g) = 0.00651 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.00828 W/kg



0 dB = 0.00754 W/kg = -42.45 dB W/kg

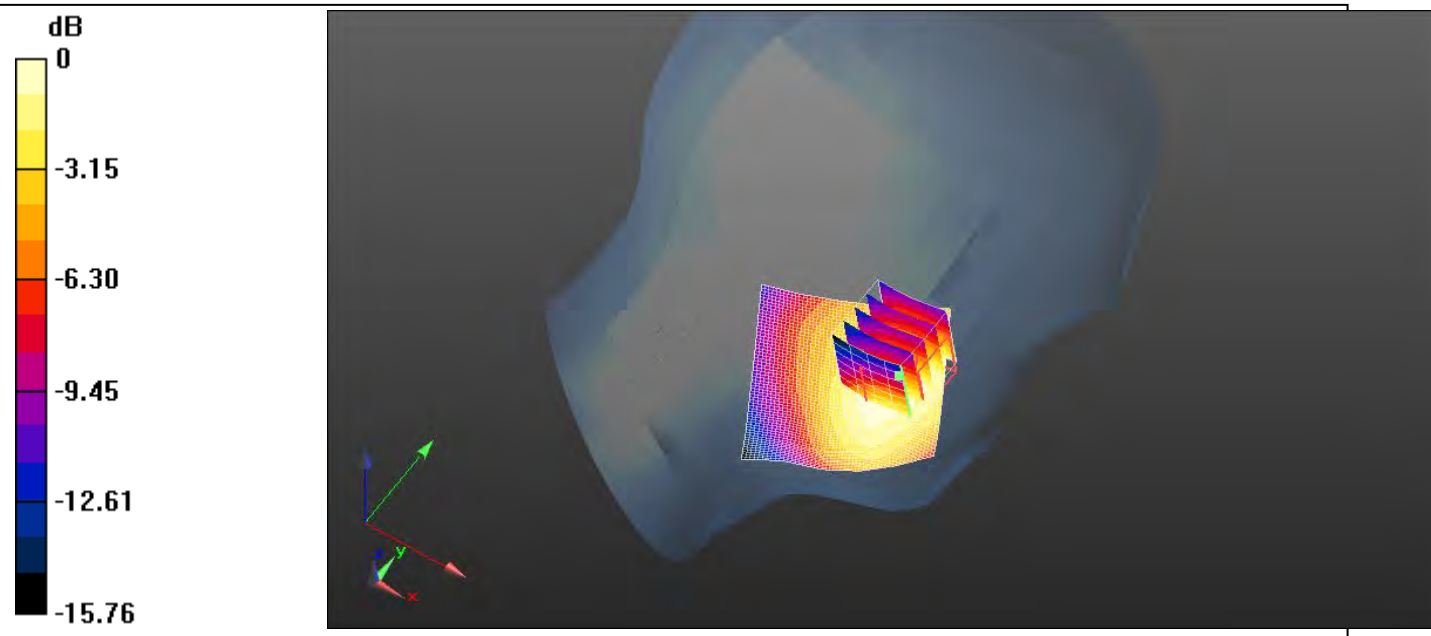
innos i6C+ CDMA BC1 Head Left Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Left Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (interpolated) = 0.601 W/kg

CDMA BC1-Left Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.441 mW/g
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.601 W/kg = -4.42 dB W/kg

innos i6C+ CDMA BC1 Head Left Tilted Mid

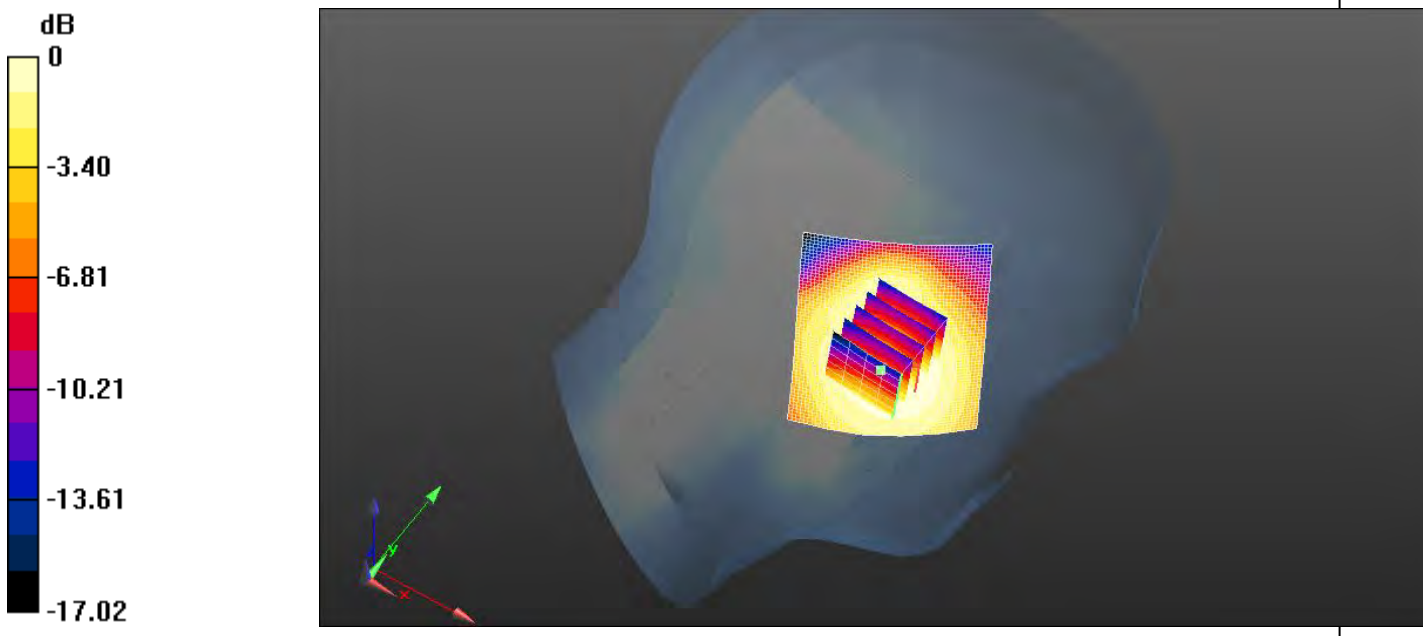
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Left Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (interpolated) = 0.421 W/kg

CDMA BC1-Left Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.365 mW/g
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.316 W/kg



0 dB = 0.421 W/kg = -7.52 dB W/kg

innos i6C+ CDMA BC1 Head Right Cheek Mid

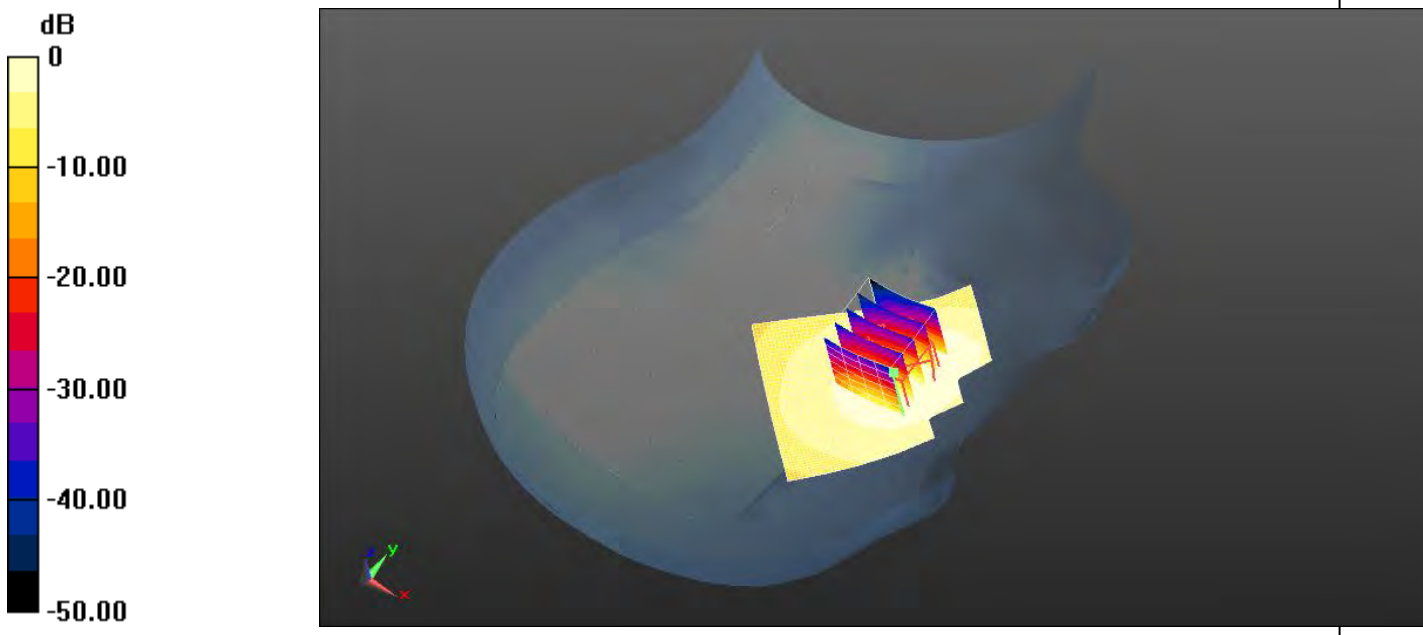
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Right Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.400 mW/g
Maximum value of SAR (interpolated) = 0.713 W/kg

CDMA BC1-Right Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 1.077 mW/g
SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.652 W/kg



0 dB = 0.713 W/kg = -2.93 dB W/kg

innos i6C+ CDMA BC1 Head Right Tilted Mid

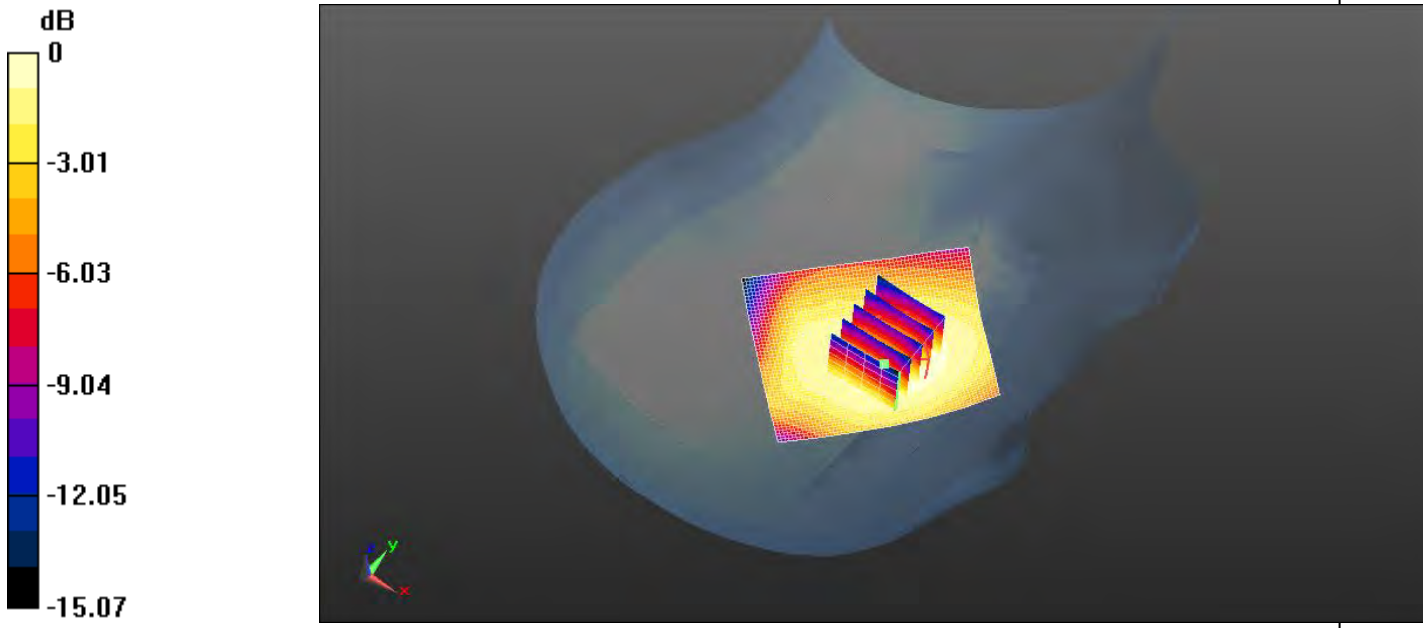
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Right Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.252 mW/g
Maximum value of SAR (interpolated) = 0.431 W/kg

CDMA BC1-Right Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.500 mW/g
SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.342 mW/g
Maximum value of SAR (measured) = 0.453 W/kg



0 dB = 0.431 W/kg = -7.31 dB W/kg

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

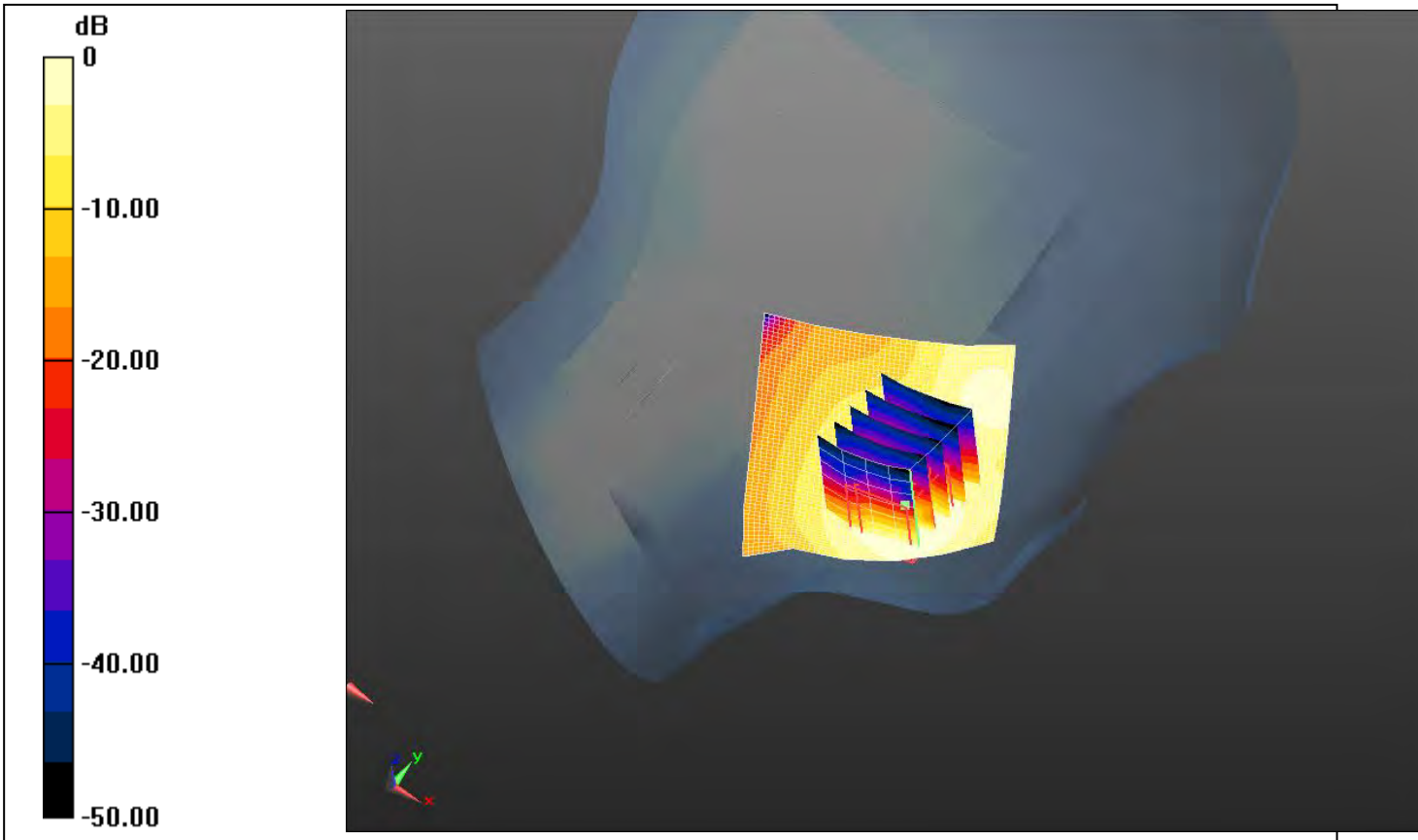
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Left Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (interpolated) = 0.407 W/kg

EVDO BC1-Left Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.462 mW/g
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.407 W/kg = -7.81 dB W/kg

innos i6C+ EVDO BC1 Head Left Tilted Mid

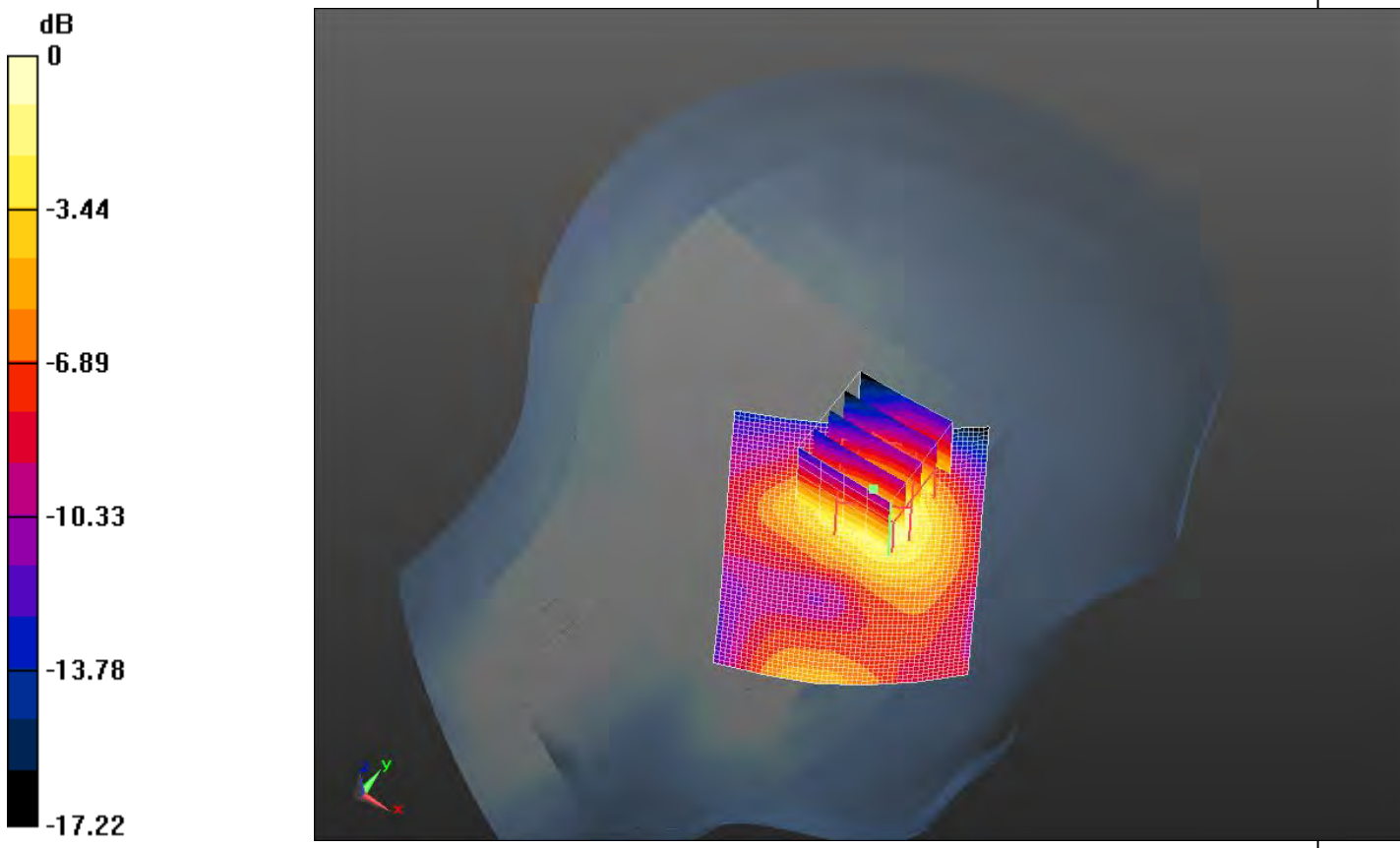
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Left Titled/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (interpolated) = 0.393 W/kg

EVDO BC1-Left Titled/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.412 mW/g
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.393 W/kg = -8.10 dB W/kg

innos i6C+ EVDO BC1 Head Right Cheek Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Left Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (interpolated) = 0.407 W/kg

EVDO BC1-Left Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.462 mW/g
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.196 W/kg

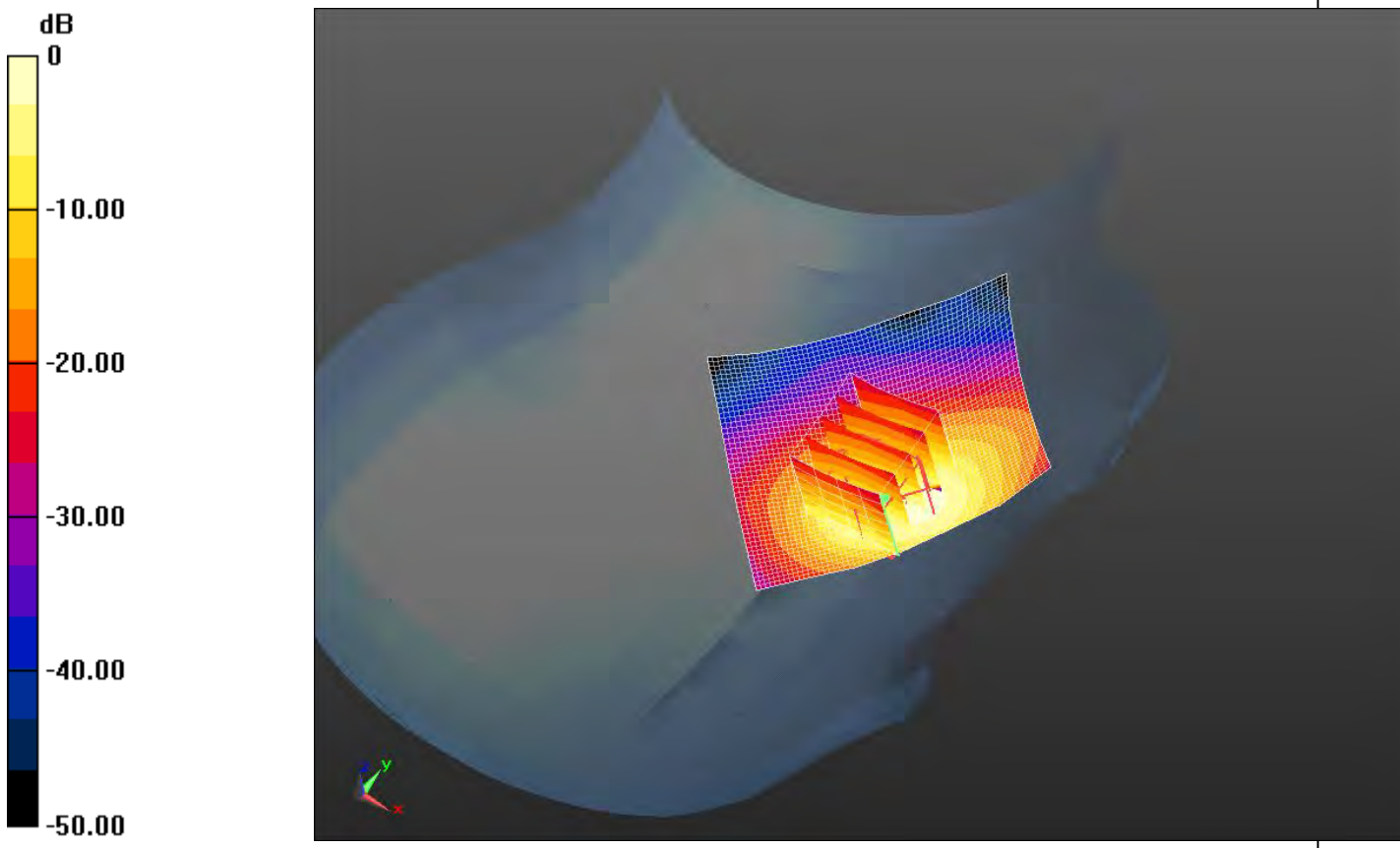
Date/Time: 2013.10.12. 16:43:27
Test Laboratory: The name of your organization
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.

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

EVDO BC1-Right Cheek/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (interpolated) = 0.780 W/kg

EVDO BC1-Right Cheek/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 1.544 mW/g
SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.868 W/kg



0 dB = 0.407 W/kg = -7.81 dB W/kg

innos i6C+ EVDO BC1 Head Right Tilted Mid

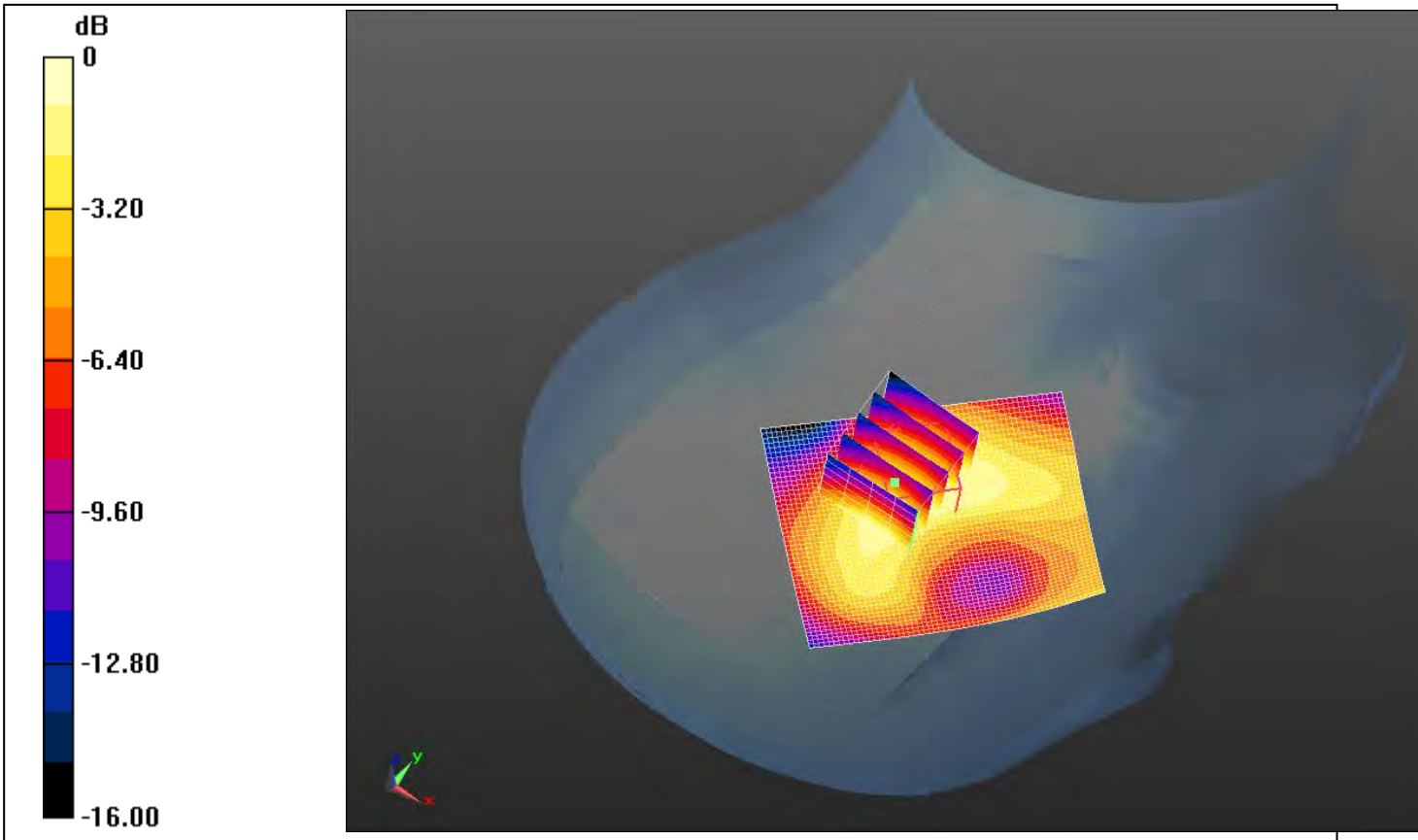
DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Right Tilted/Mid/Area Scan (61x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (interpolated) = 0.210 W/kg

EVDO BC1-Right Tilted/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.404 mW/g
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.210 W/kg = -13.57 dB W/kg

WiFi 802.11b 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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
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: 2011.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

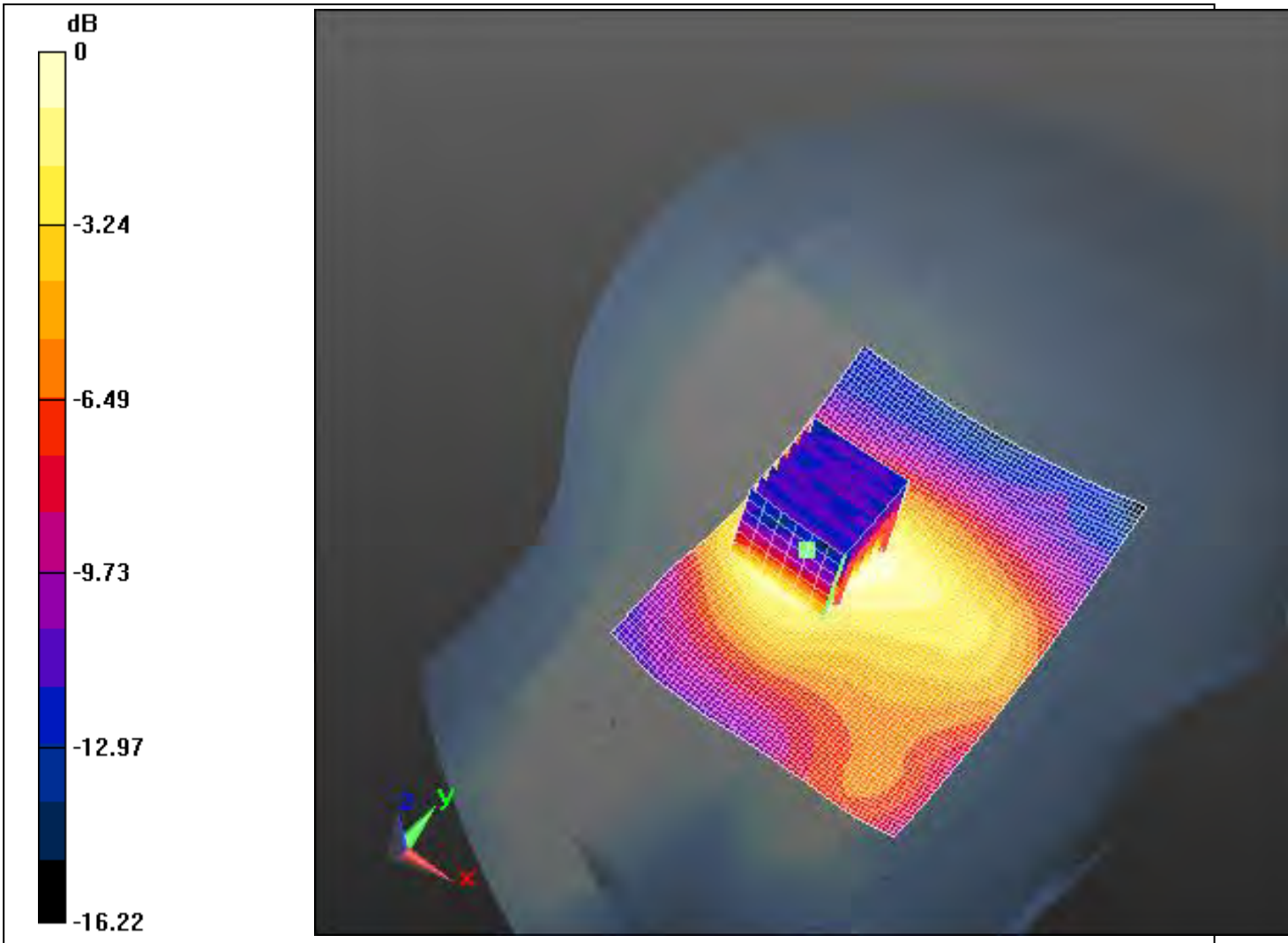
802.11b-Left Head/left Cheek-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.204 V/m; Power Drift = 0.10 dB
Fast SAR: SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.157 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.303 W/kg

802.11b-Left Head/left Cheek-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.204 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.537 mW/g
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.156 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.303 W/kg = -10.37 dB W/kg

WiFi 802.11b 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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3

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)

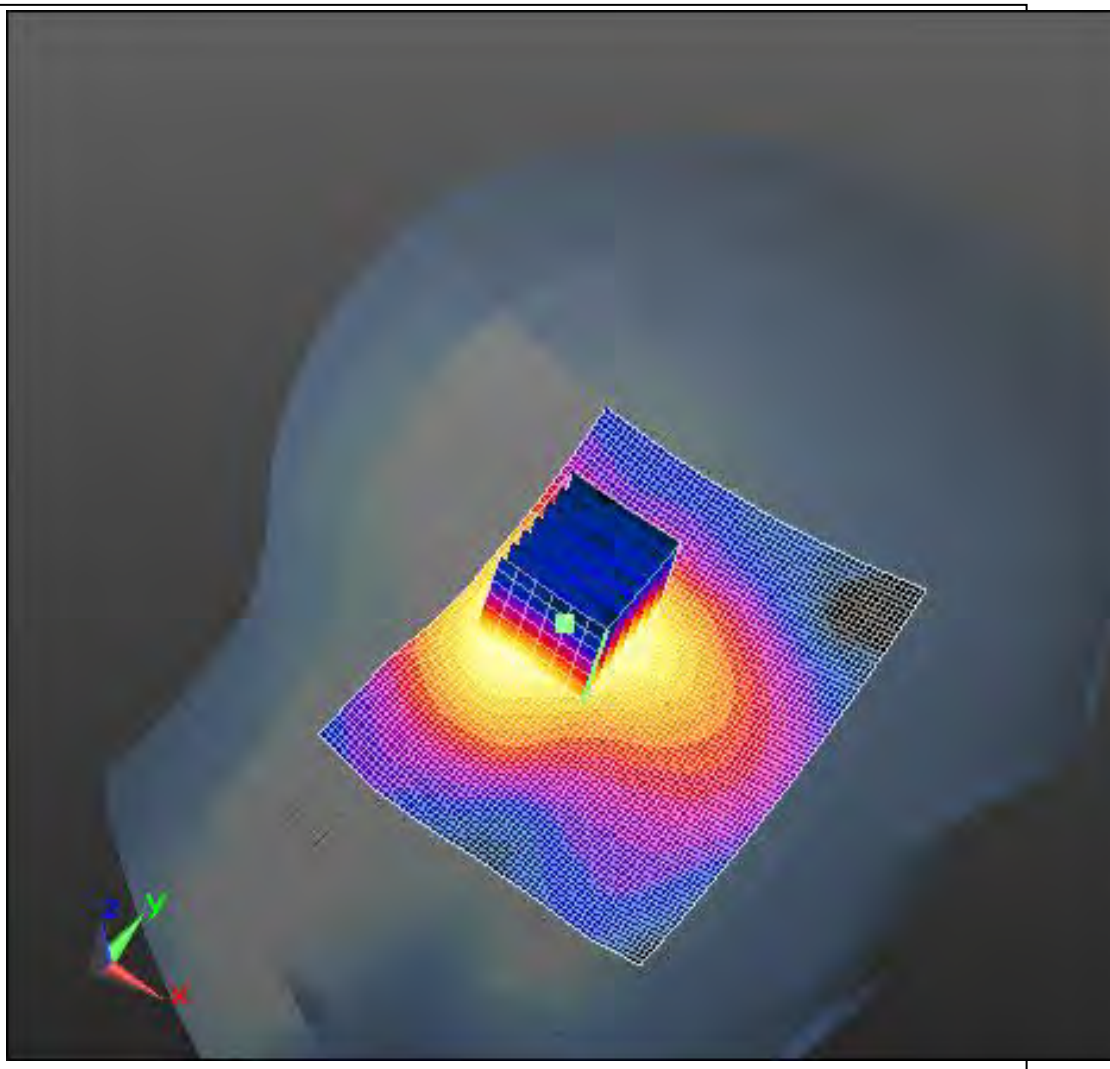
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-Left Head/left Tilted-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.502 V/m; Power Drift = 0.41 dB
Fast SAR: SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.222 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.450 W/kg

802.11b-Left Head/left Tilted-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.502 V/m; Power Drift = 0.41 dB
Peak SAR (extrapolated) = 0.743 mW/g
SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.212 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.450 W/kg = -6.93 dB W/kg

WiFi 802.11b 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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3

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)

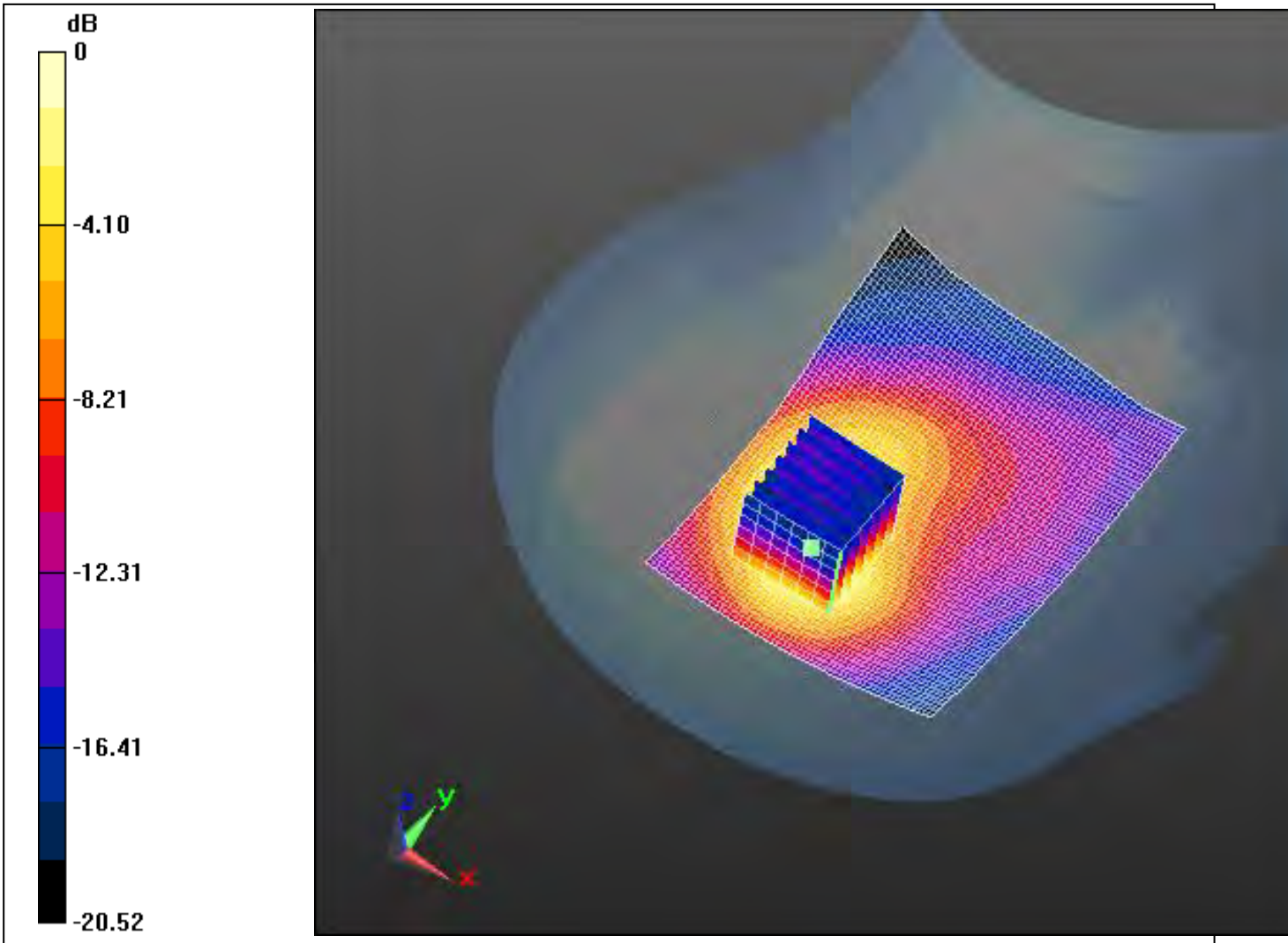
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-rightHead/right Cheek-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.017 V/m; Power Drift = -0.08 dB
Fast SAR: SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.353 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.799 W/kg

802.11b-rightHead/right Cheek-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.017 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.681 mW/g
SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.336 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.799 W/kg = -1.95 dB W/kg

WiFi 802.11b 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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
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)

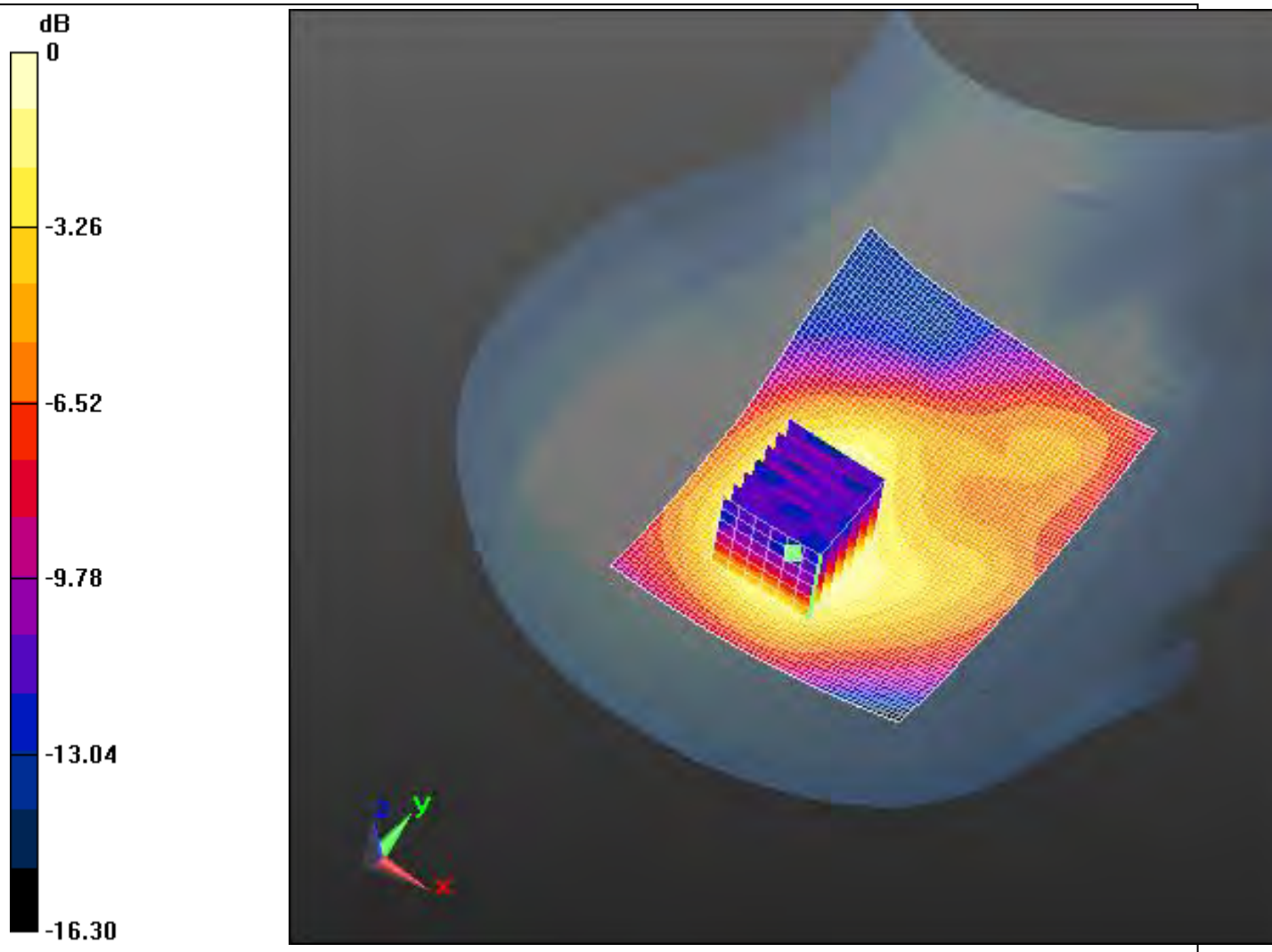
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-rightHead/rightTilted-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.875 V/m; Power Drift = 0.06 dB
Fast SAR: SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.177 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.349 W/kg

802.11b-rightHead/rightTilted-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.875 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.677 mW/g
SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.171 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.349 W/kg = -9.14 dB W/kg

innos i6C+ CDMA BC0 Body Faceup Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

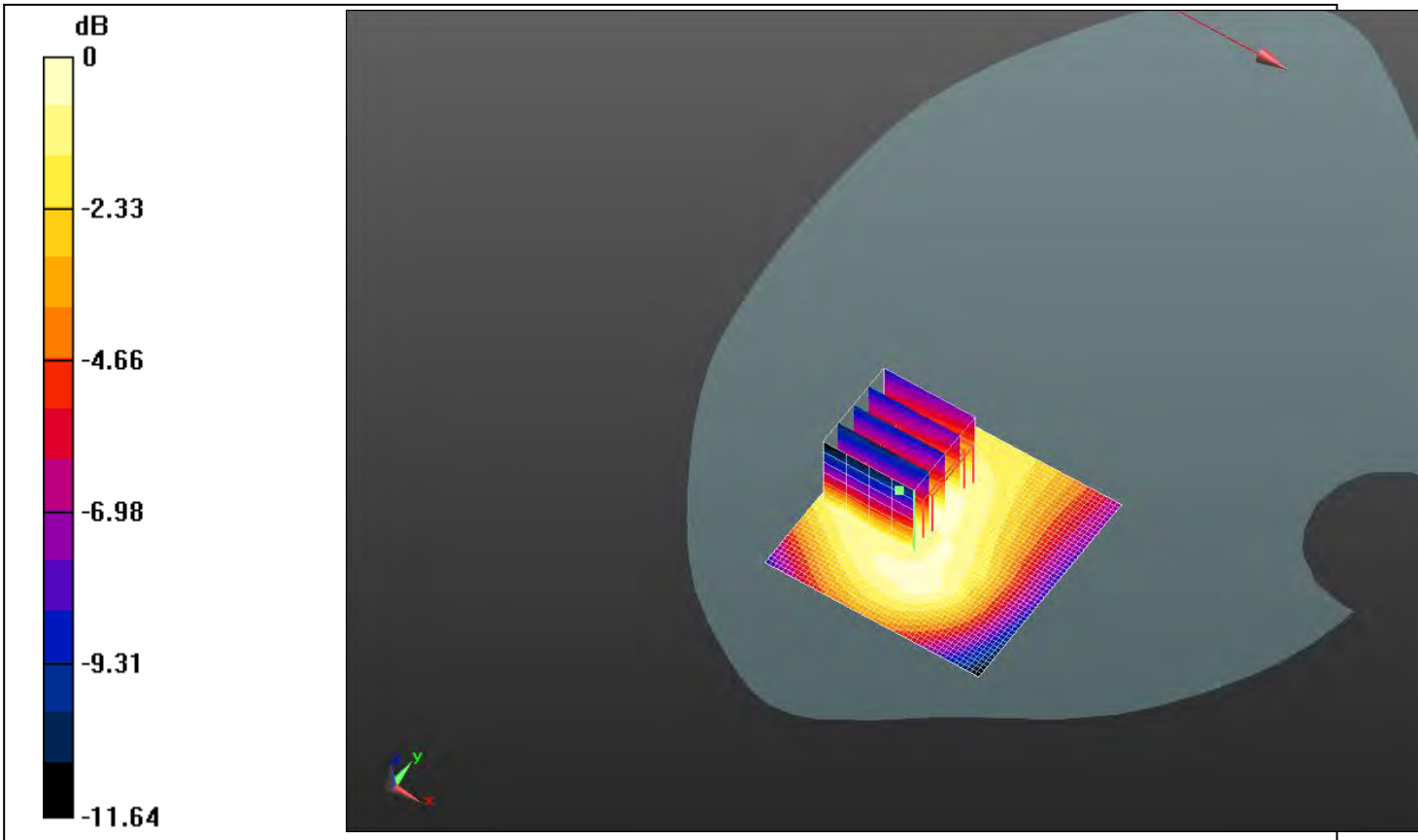
CDMA BC0--Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.043 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0675 W/kg

CDMA BC0--Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.112 mW/g
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.042 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0701 W/kg



0 dB = 0.0675 W/kg = -23.42 dB W/kg

innos i6C+ CDMA BC0 Body Facedown Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

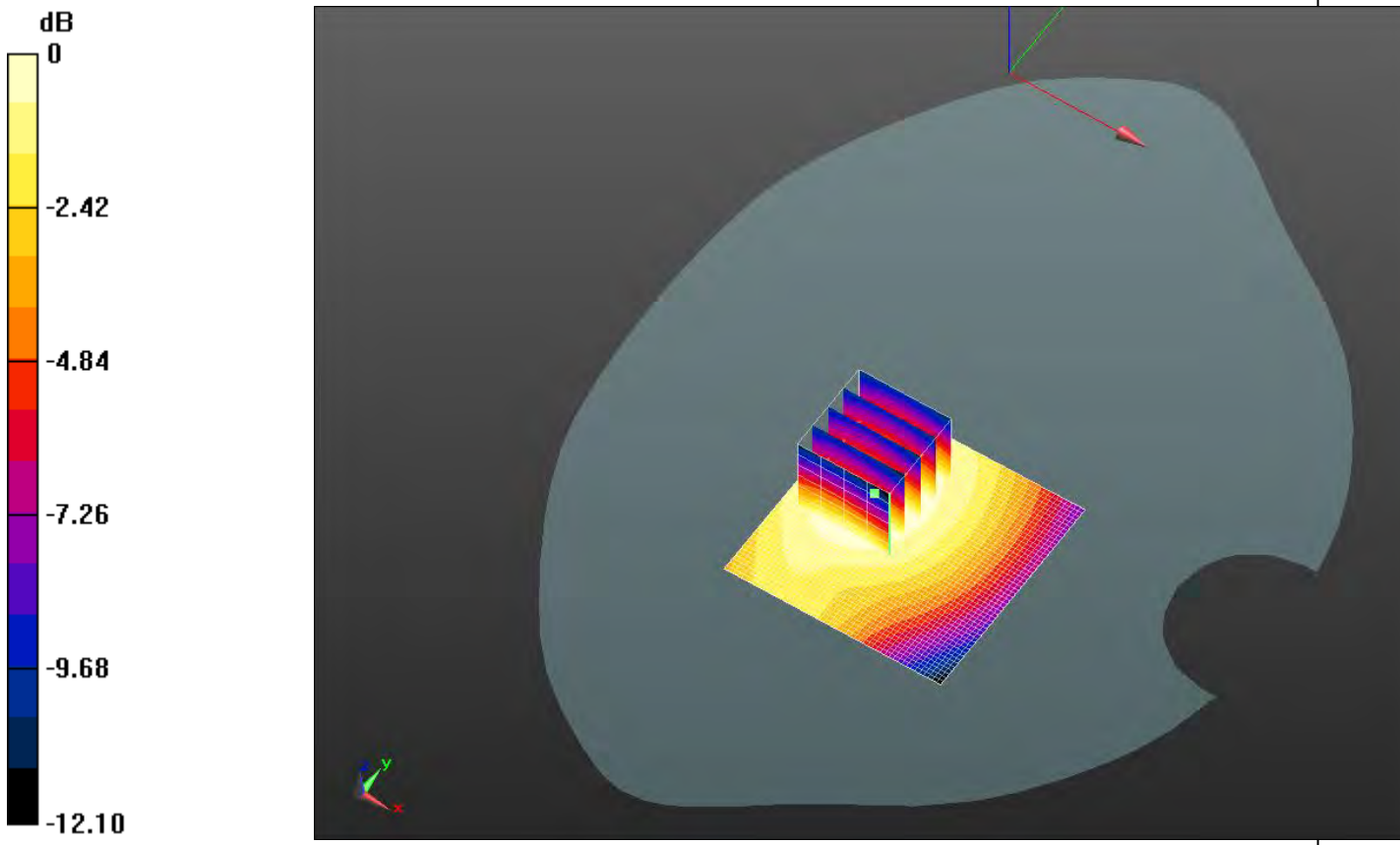
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.164 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.249 W/kg

CDMA BC0--Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.284 mW/g
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.181 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.249 W/kg = -12.07 dB W/kg

innos i6C+ EVDO BC0 Body Faceup Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

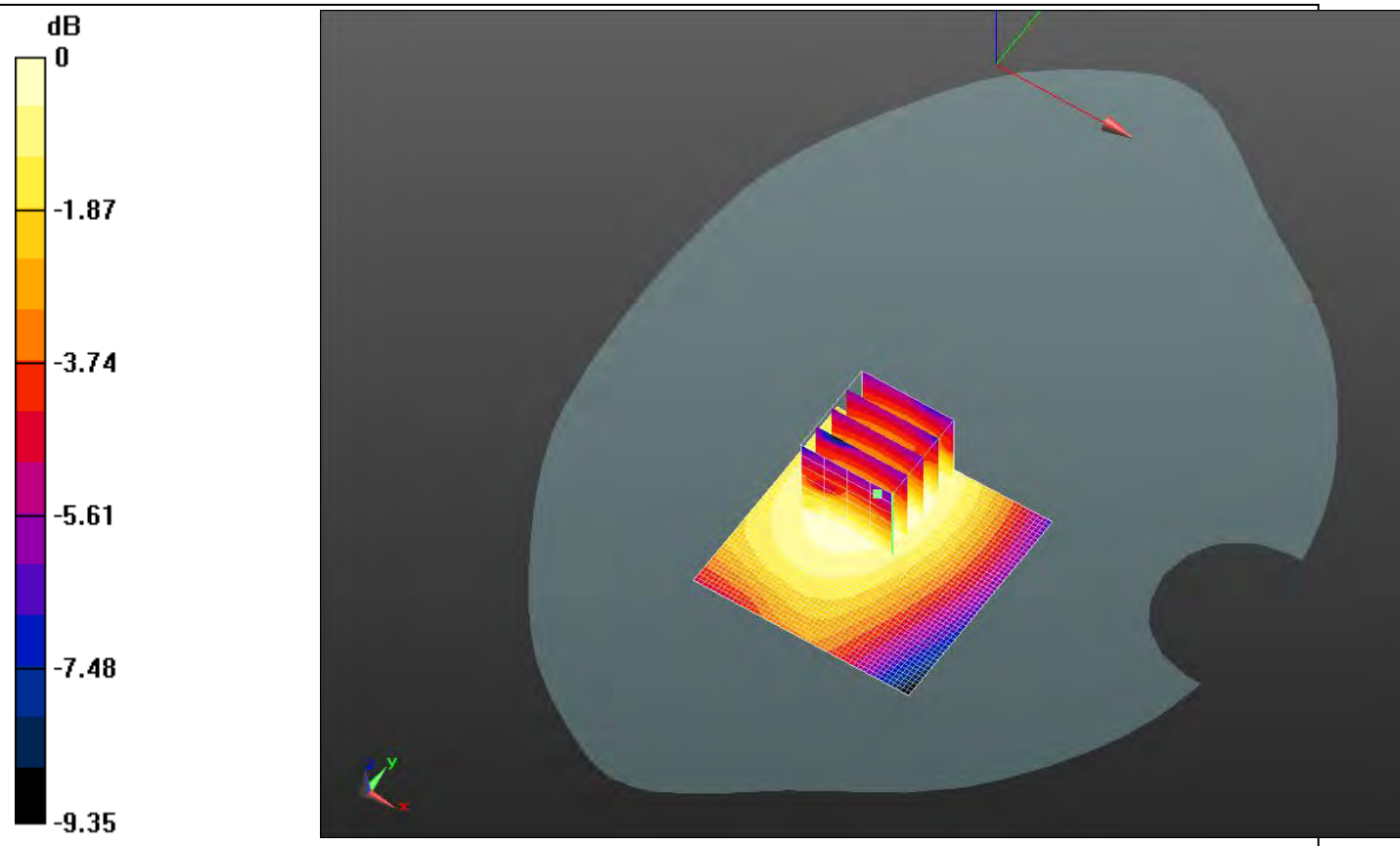
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC0-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.080 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.121 W/kg

EVDO BC0-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.138 mW/g
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.090 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.121 W/kg = -18.38 dB W/kg

innos i6C+ EVDO BC0 Body Facedown Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

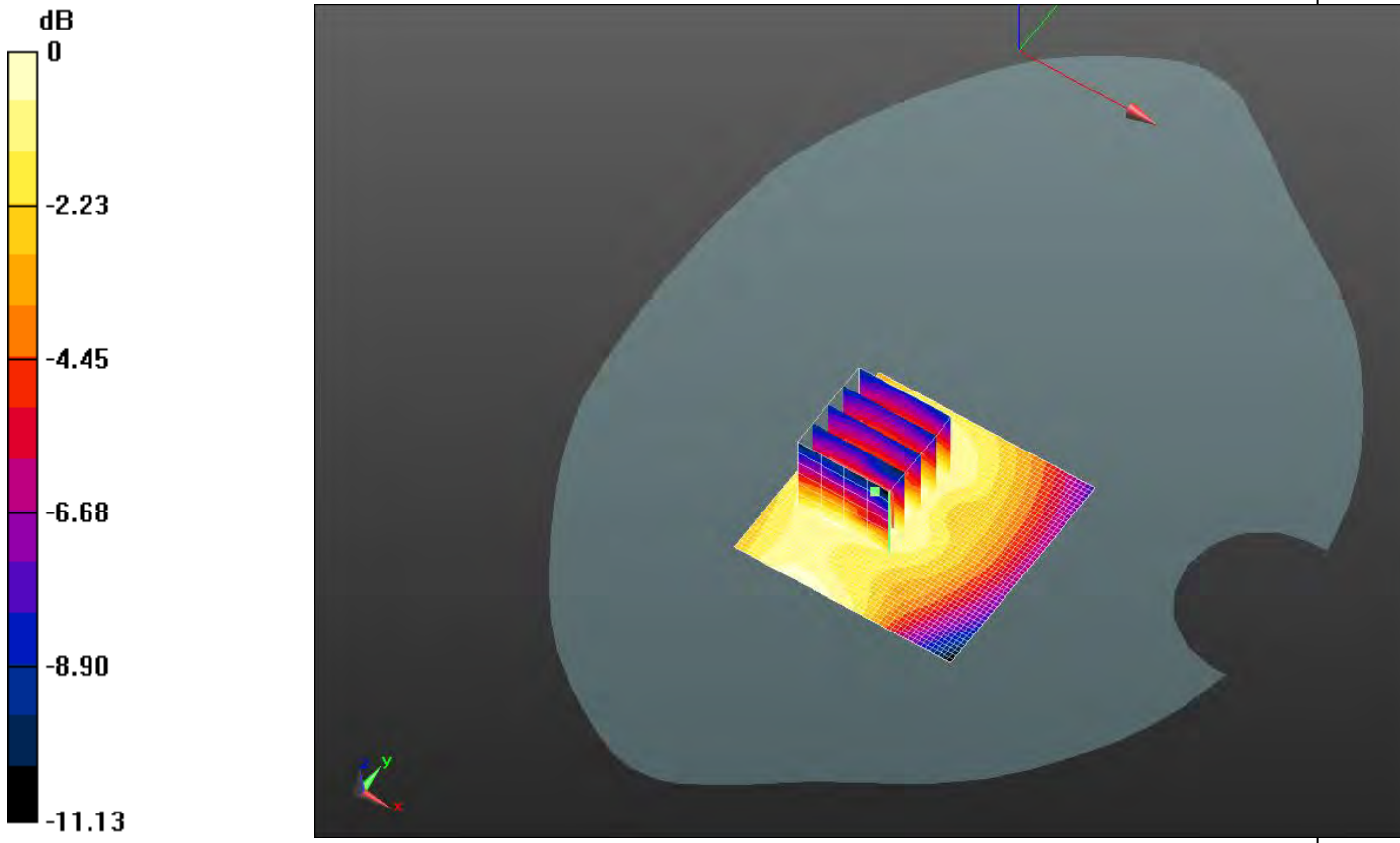
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
  -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC0-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.087 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.132 W/kg

EVDO BC0-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.141 mW/g
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.094 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.132 W/kg = -17.61 dB W/kg

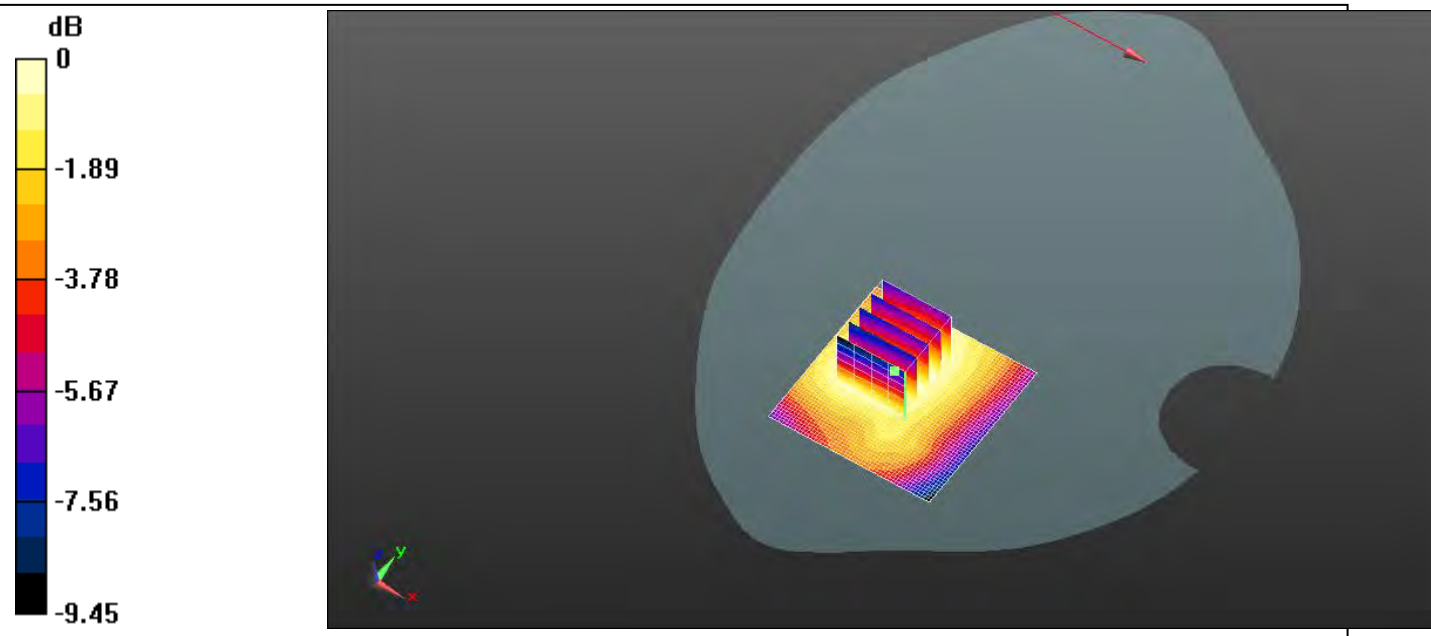
innos i6C+ CDMA BC1 Body Faceup Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (interpolated) = 0.315 W/kg

CDMA BC1-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.385 mW/g
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.315 W/kg = -10.04 dB W/kg

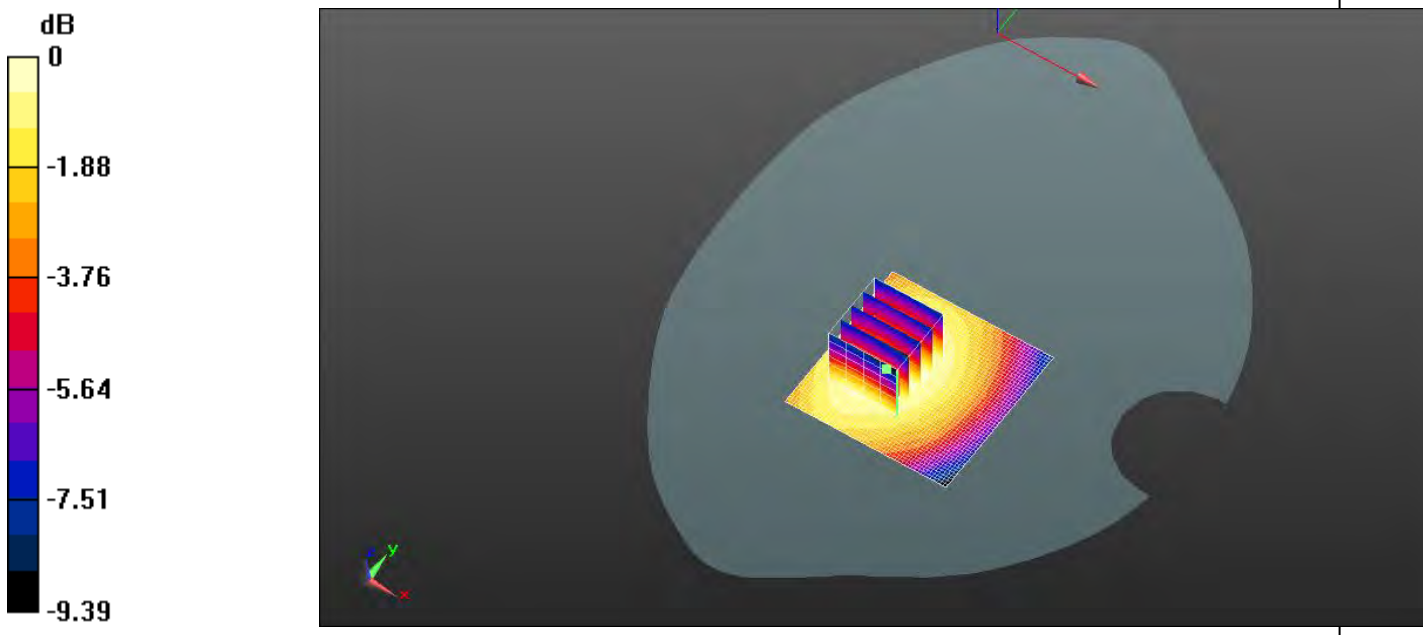
innos i6C+ CDMA BC1 Body Facedown Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (interpolated) = 0.527 W/kg

CDMA BC1-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.585 mW/g
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.381 mW/g
Maximum value of SAR (measured) = 0.514 W/kg



0 dB = 0.527 W/kg = -5.56 dB W/kg

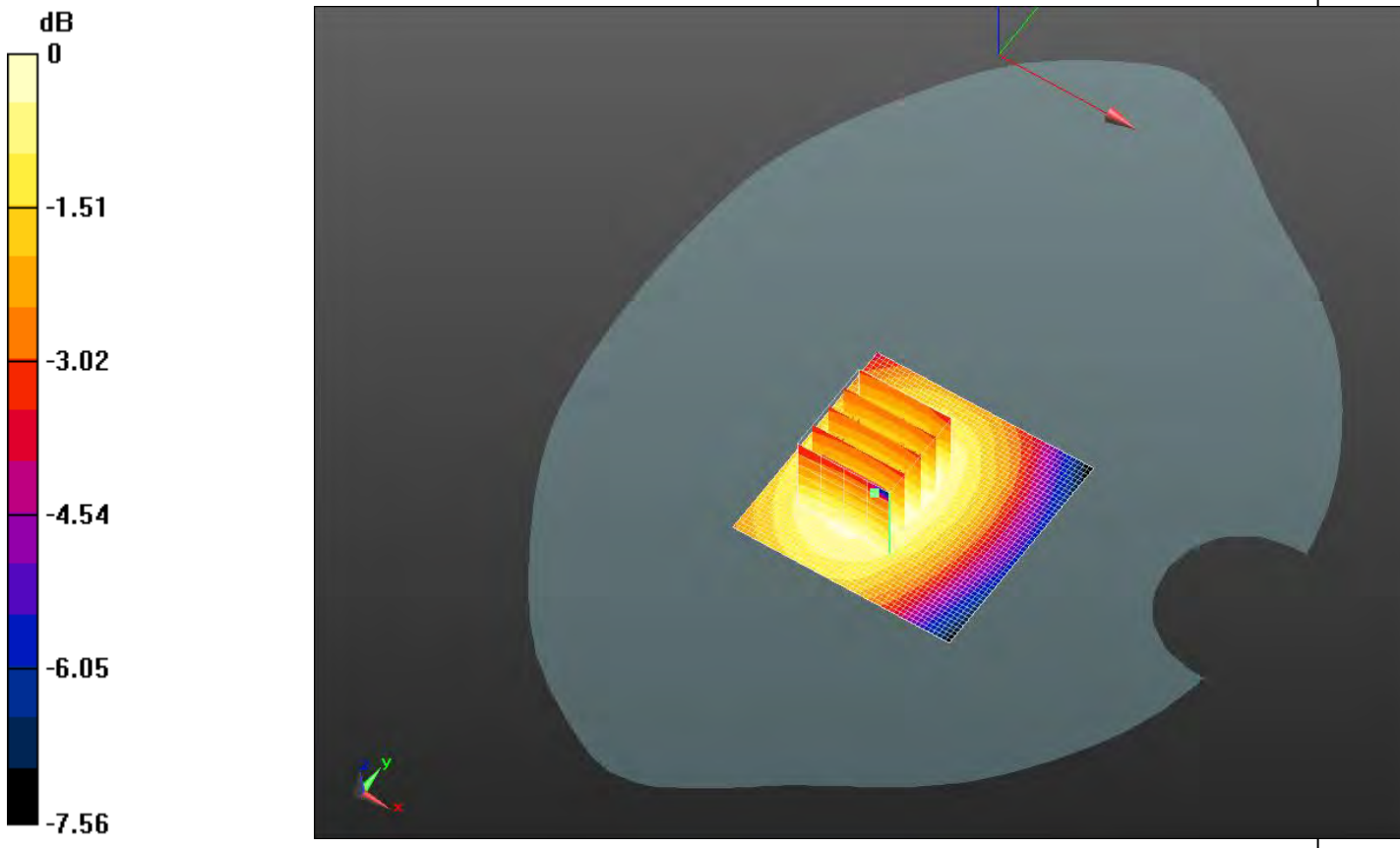
innos i6C+ EVDO BC1 Body Faceup Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (interpolated) = 0.371 W/kg

EVDO BC1-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.422 mW/g
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.371 W/kg = -8.61 dB W/kg

innos i6C+ EVDO BC1 Body Facedown Mid

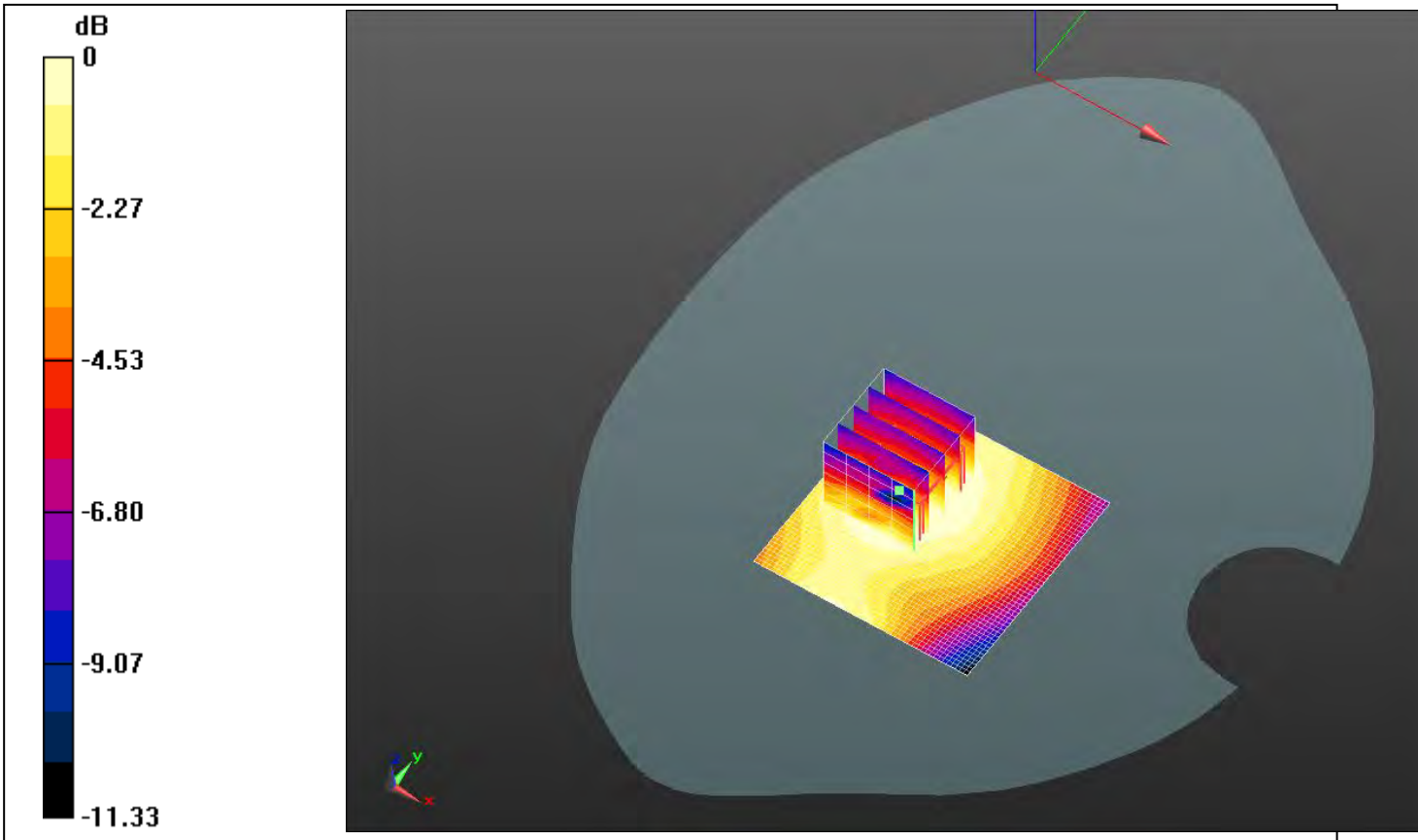
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (interpolated) = 0.552 W/kg

EVDO BC1-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.971 mW/g
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.415 mW/g
Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.552 W/kg = -5.16 dB W/kg

WiFi 802.11b Faceup-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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

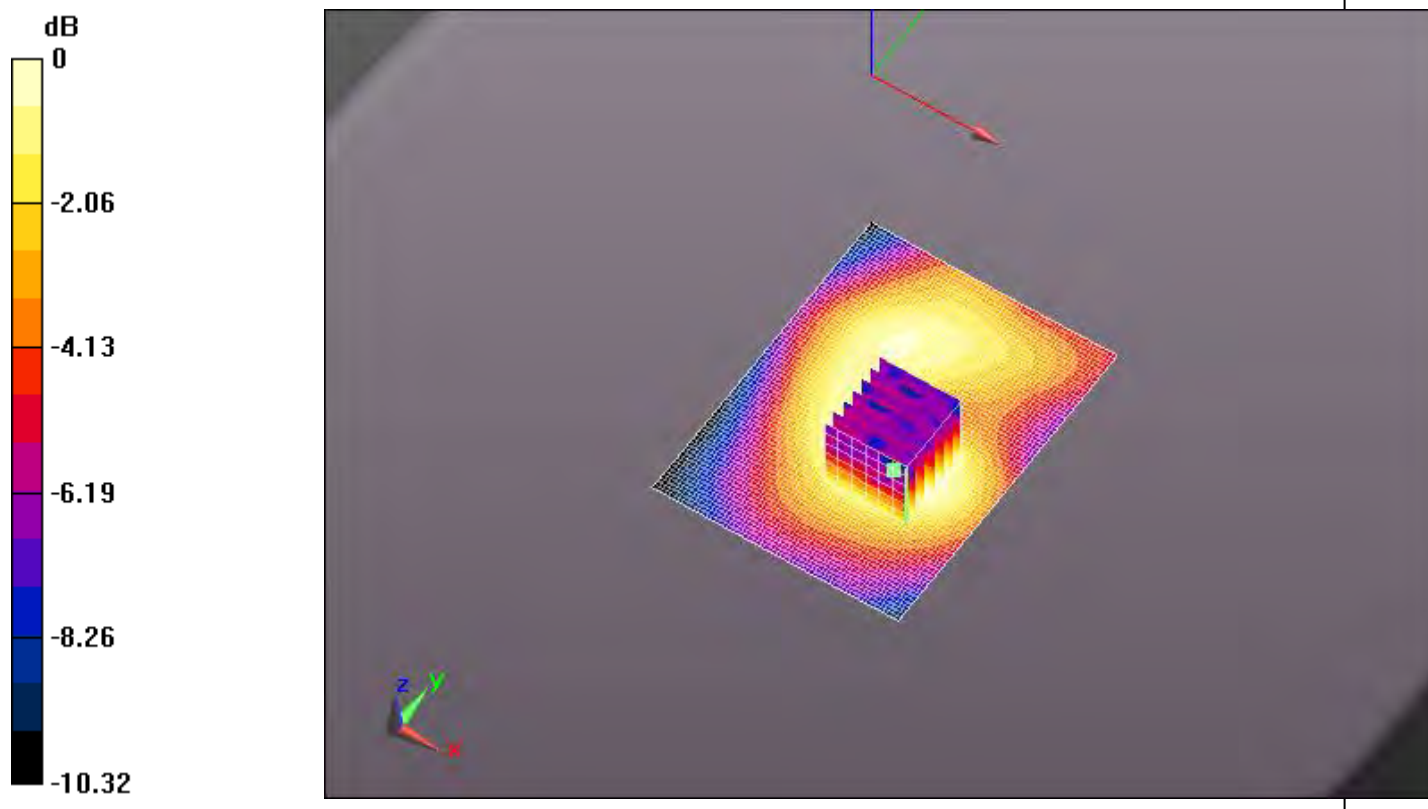
- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
  -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Faceup-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.178 V/m; Power Drift = 0.84 dB
Fast SAR: SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.039 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0741 W/kg

802.11b-10mm/Faceup-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.178 V/m; Power Drift = 0.84 dB
Peak SAR (extrapolated) = 0.128 mW/g
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.041 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0728 W/kg



0 dB = 0.0741 W/kg = -22.61 dB W/kg

WiFi 802.11b Facedown-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; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

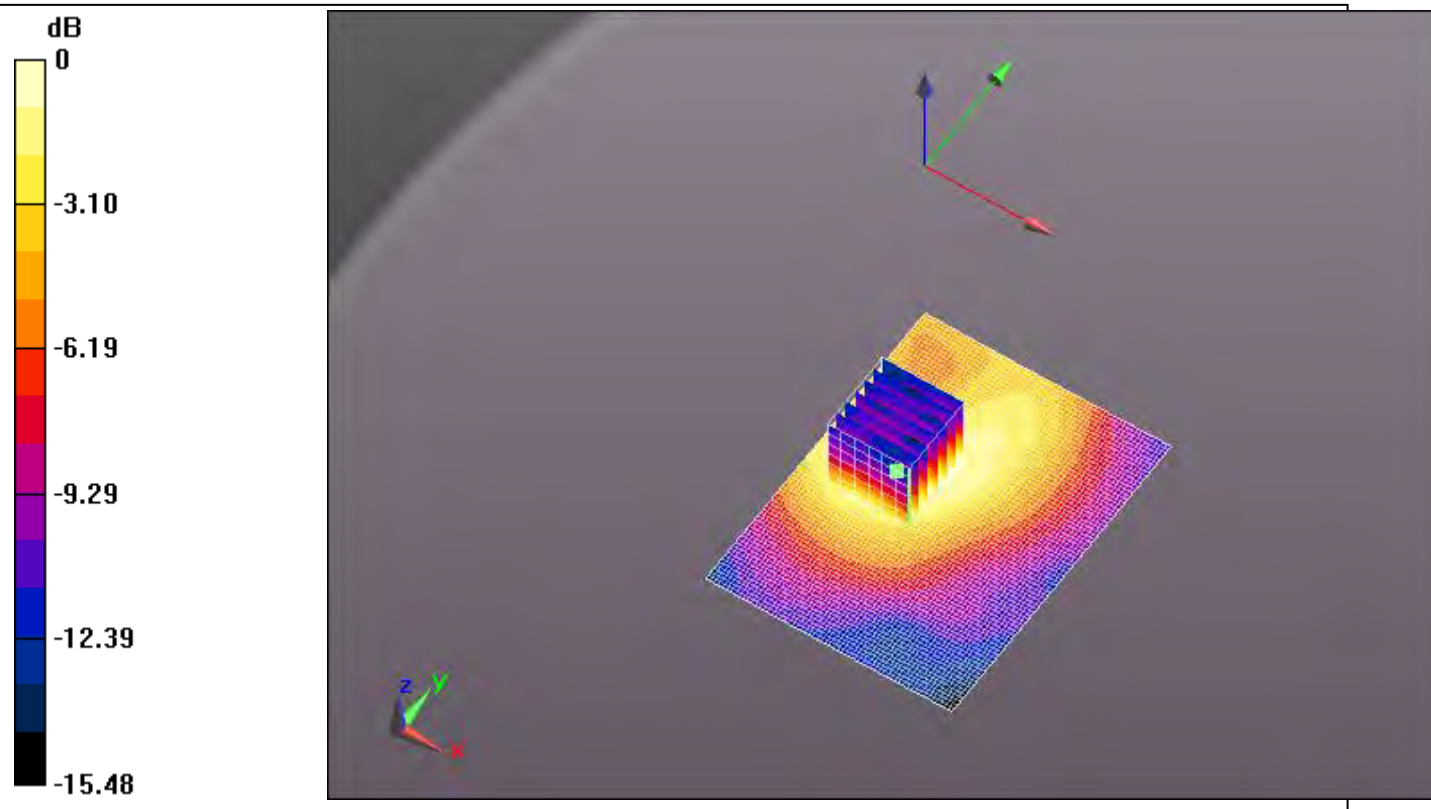
- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm/Facedown-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.433 V/m; Power Drift = 0.80 dB
Fast SAR: SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.057 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.111 W/kg

802.11b-10mm/Facedown-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.433 V/m; Power Drift = 0.80 dB
Peak SAR (extrapolated) = 0.174 mW/g
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.061 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.111 W/kg = -19.06 dB W/kg

innos i6C+ CDMA BC0 Body Front Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

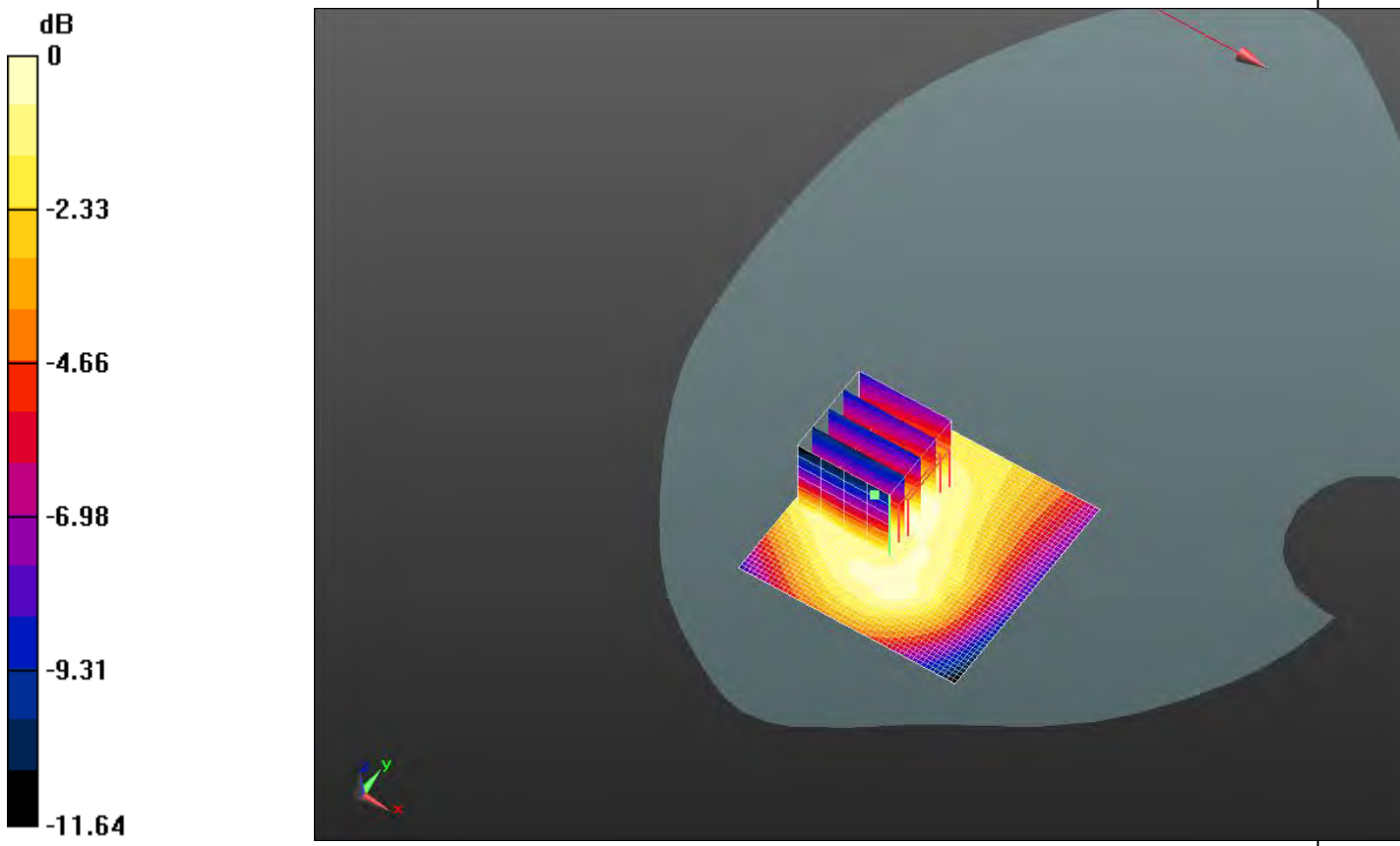
CDMA BC0--Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.043 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0675 W/kg

CDMA BC0--Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.112 mW/g
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.042 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0701 W/kg



0 dB = 0.0675 W/kg = -23.42 dB W/kg

innos i6C+ CDMA BC0 Body Back Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

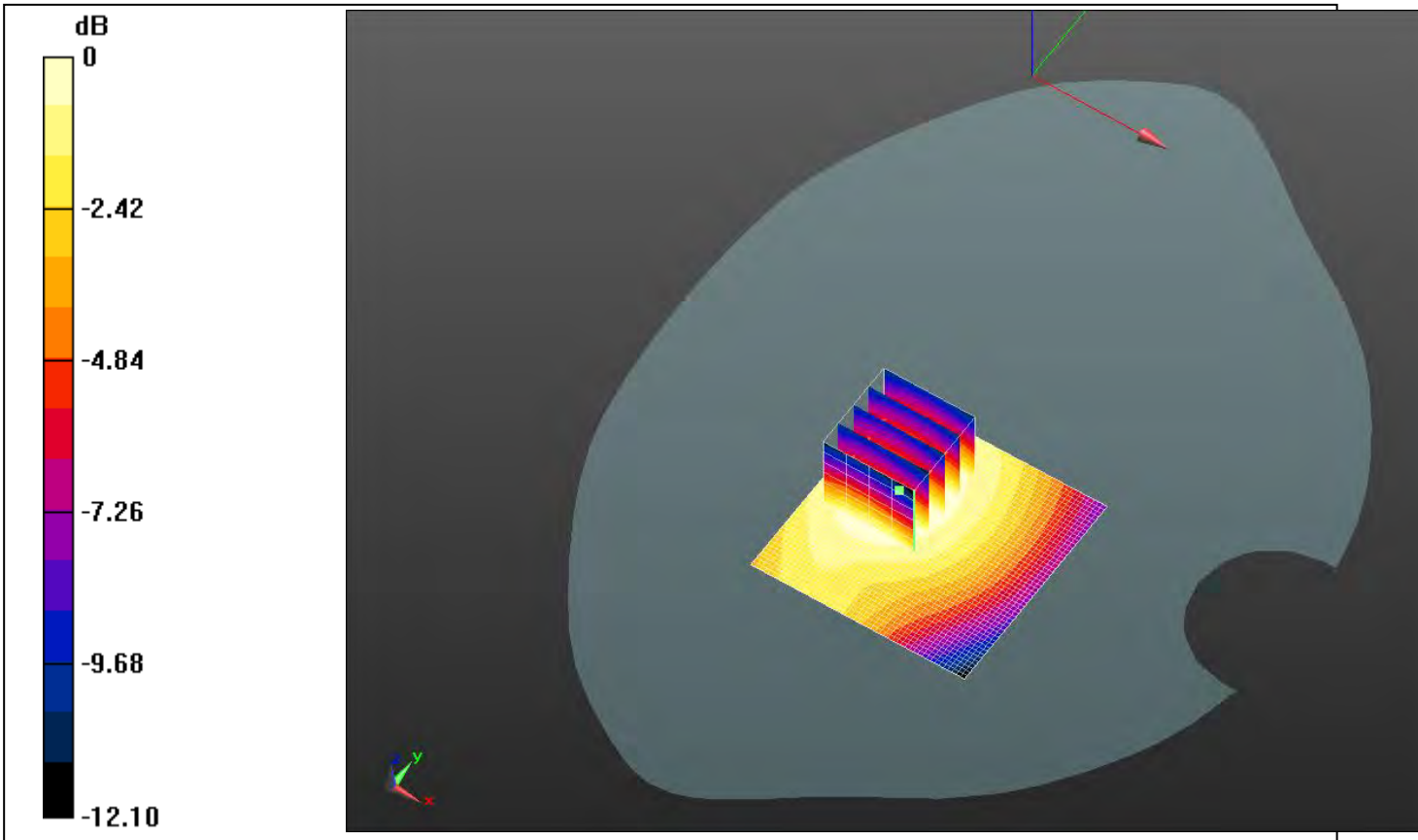
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.164 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.249 W/kg

CDMA BC0--Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.284 mW/g
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.181 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.249 W/kg = -12.07 dB W/kg

innos i6C+ CDMA BC0 Body Bottom Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

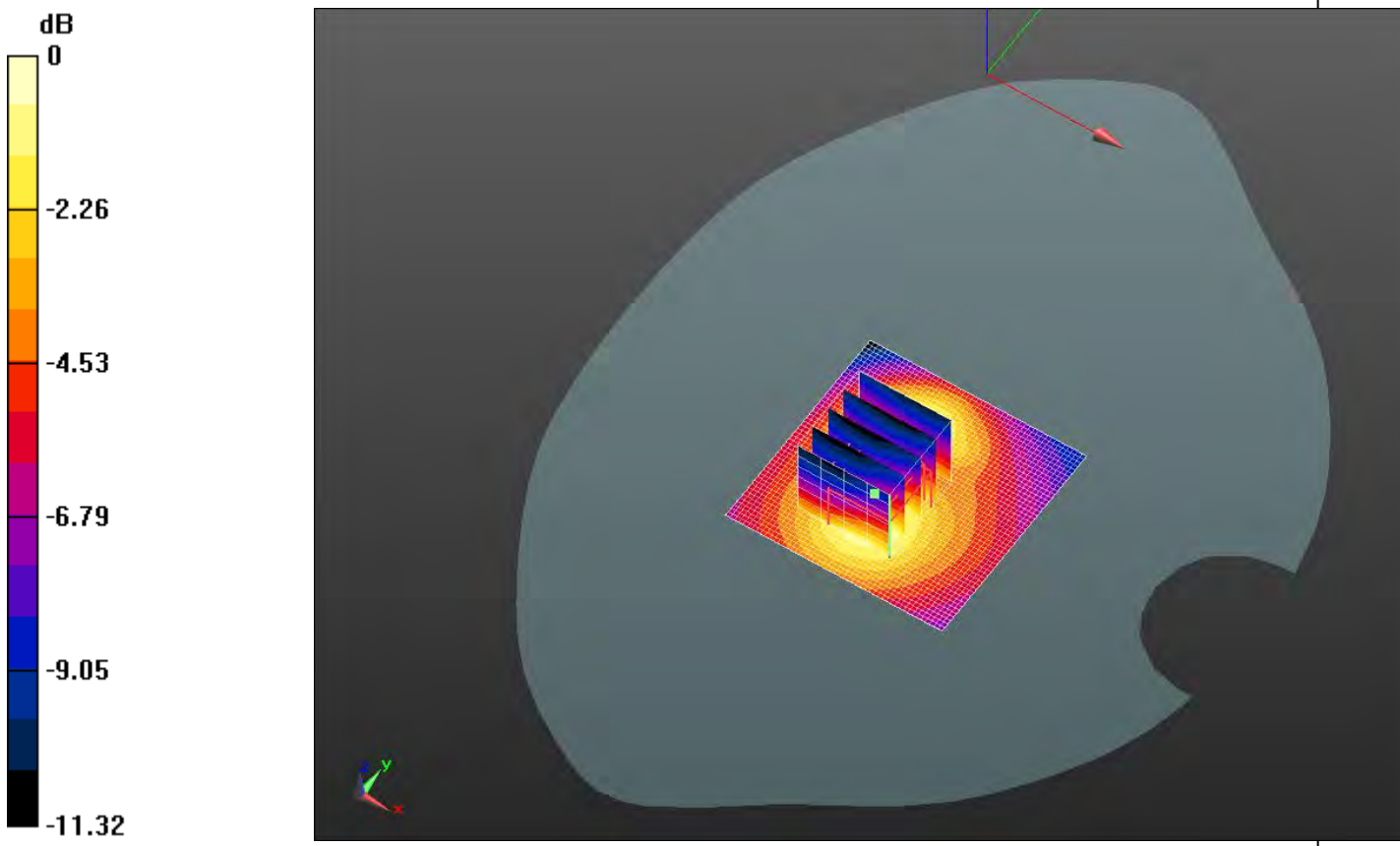
CDMA BC0--Bottom/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.055 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0993 W/kg

CDMA BC0--Bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.324 mW/g
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.051 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 0.0993 W/kg = -20.06 dB W/kg

innos i6C+ CDMA BC0 Body Left Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

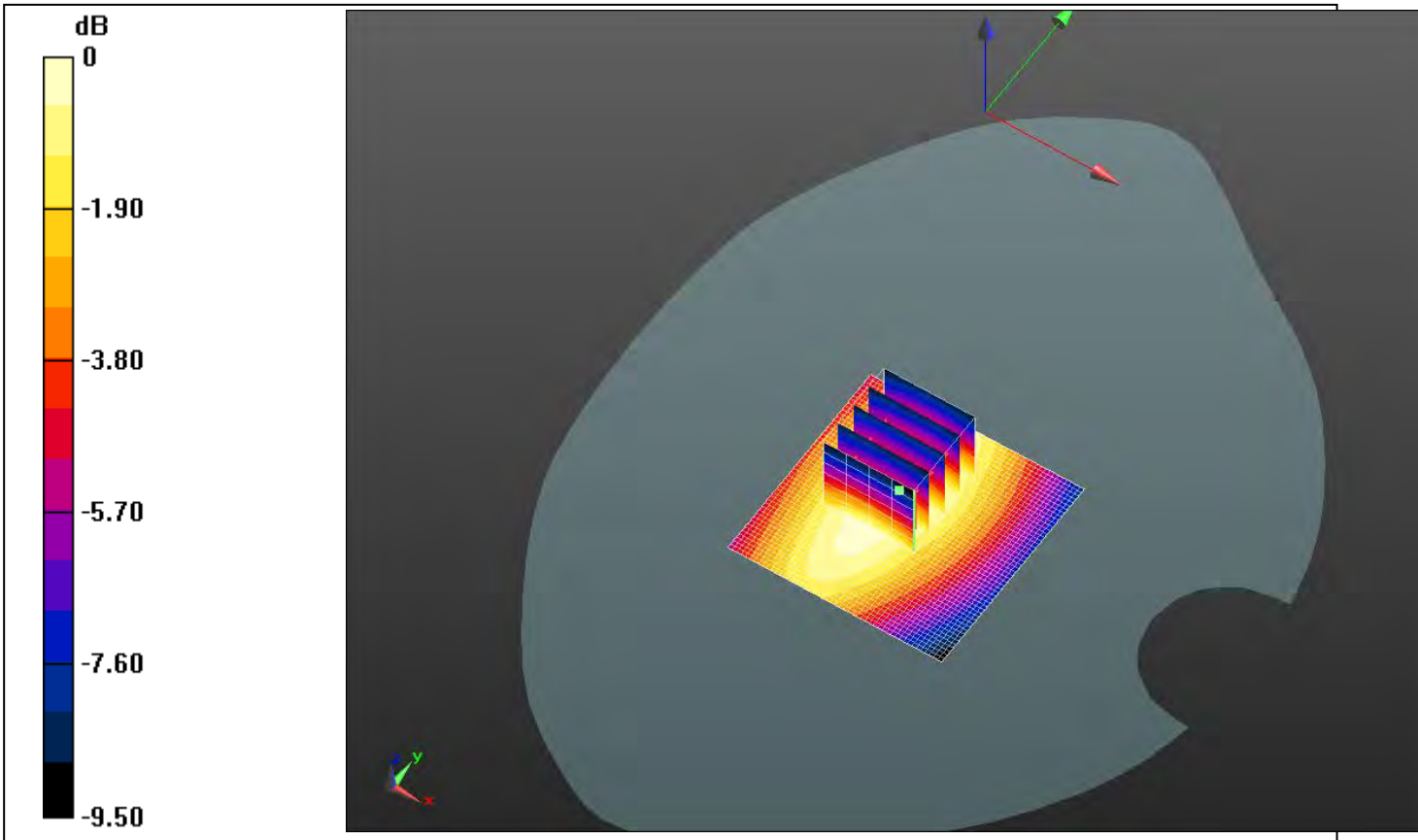
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--Left Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.056 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0875 W/kg

CDMA BC0--Left Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.107 mW/g
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.057 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0862 W/kg



0 dB = 0.0875 W/kg = -21.16 dB W/kg

innos i6C+ CDMA BC0 Body Right Side Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.96 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3

Phantom section: Flat Section

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

DASY5 Configuration:

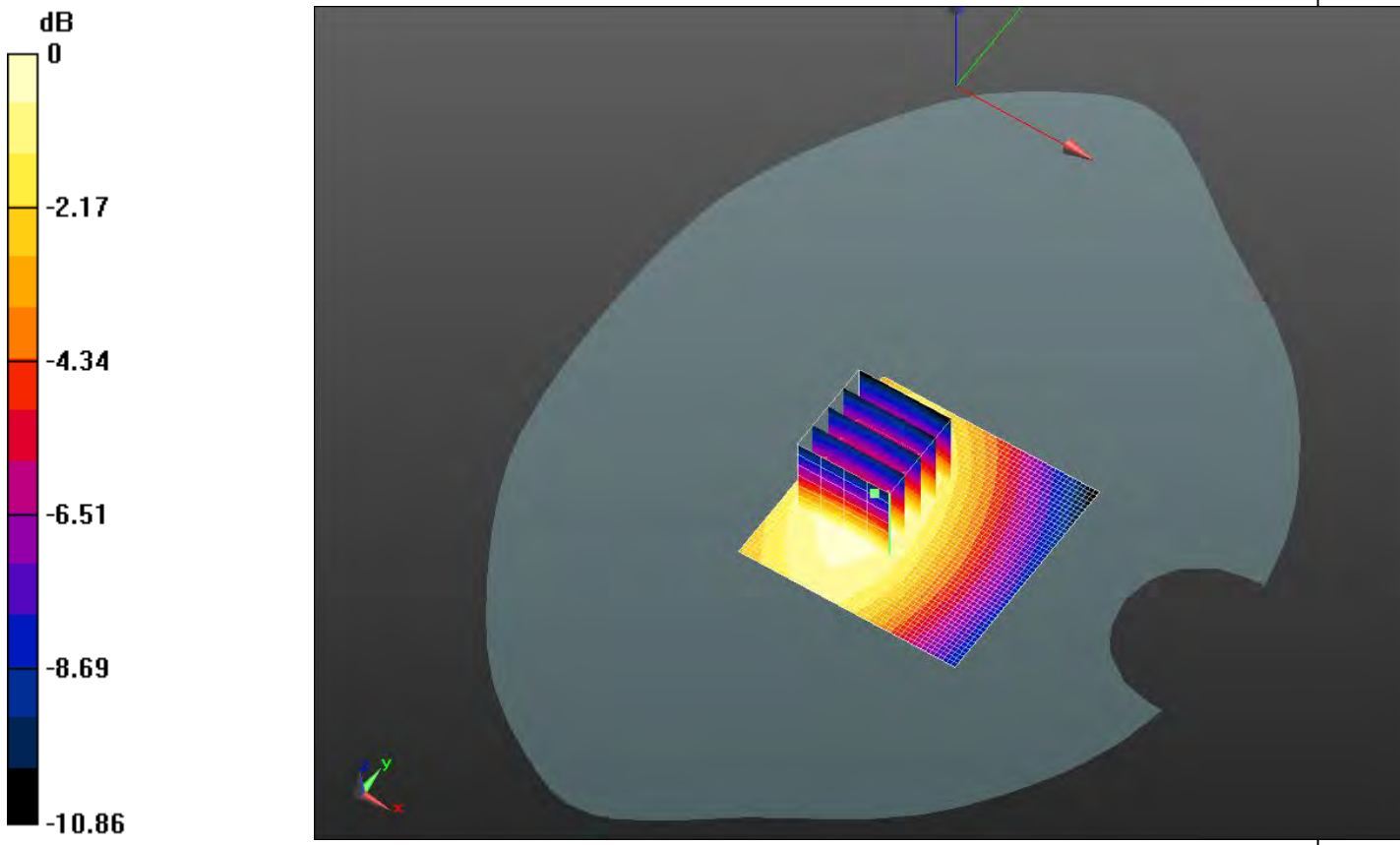
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC0--Right Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.060 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0917 W/kg

CDMA BC0--Right Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.586 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.111 mW/g
SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.063 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0921 W/kg



0 dB = 0.0917 W/kg = -20.76 dB W/kg

innos i6C+ EVDO BC0 Body Front Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

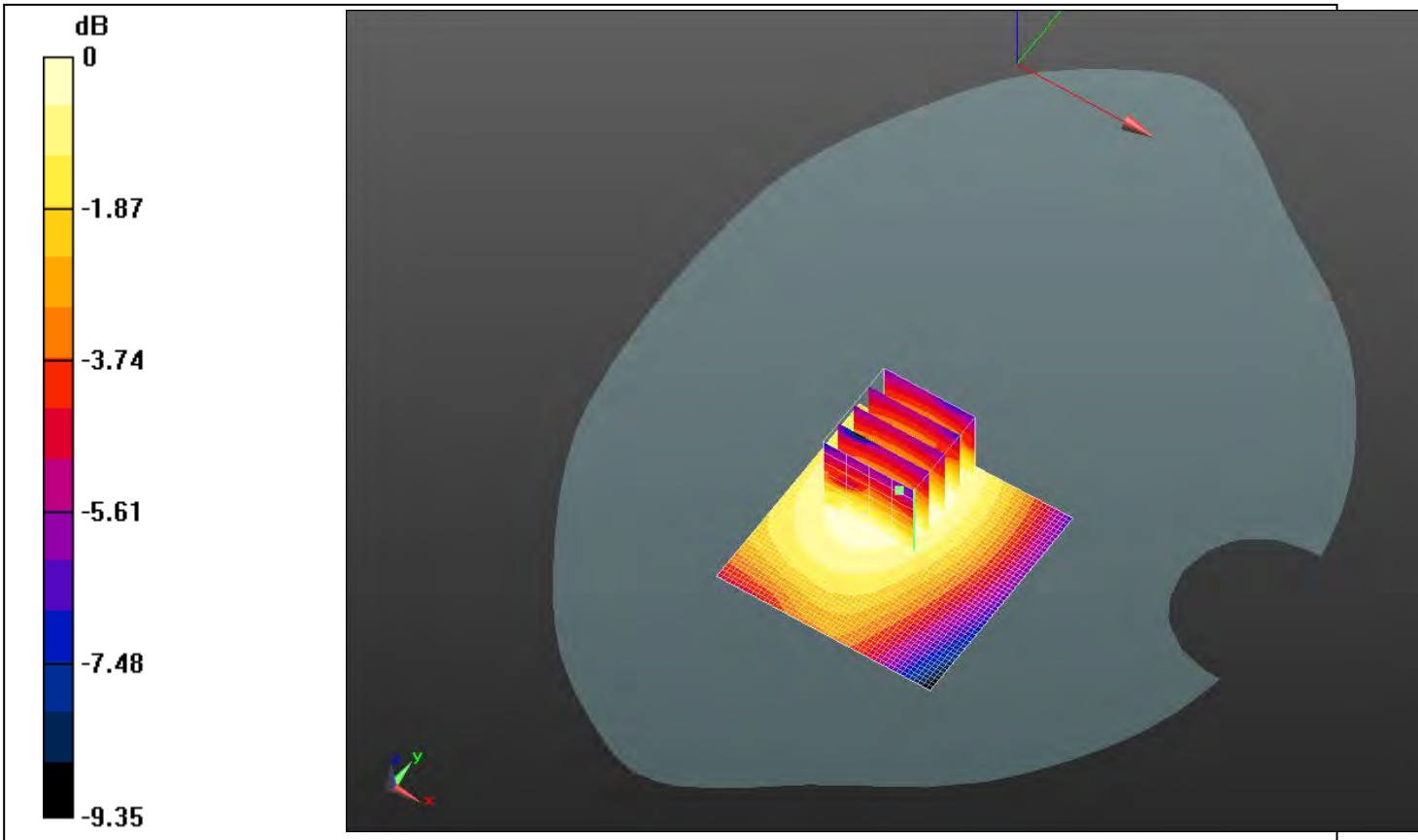
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC0-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.080 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.121 W/kg

EVDO BC0-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.138 mW/g
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.090 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.121 W/kg = -18.38 dB W/kg

innos i6C+ EVDO BC0 Body Back Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

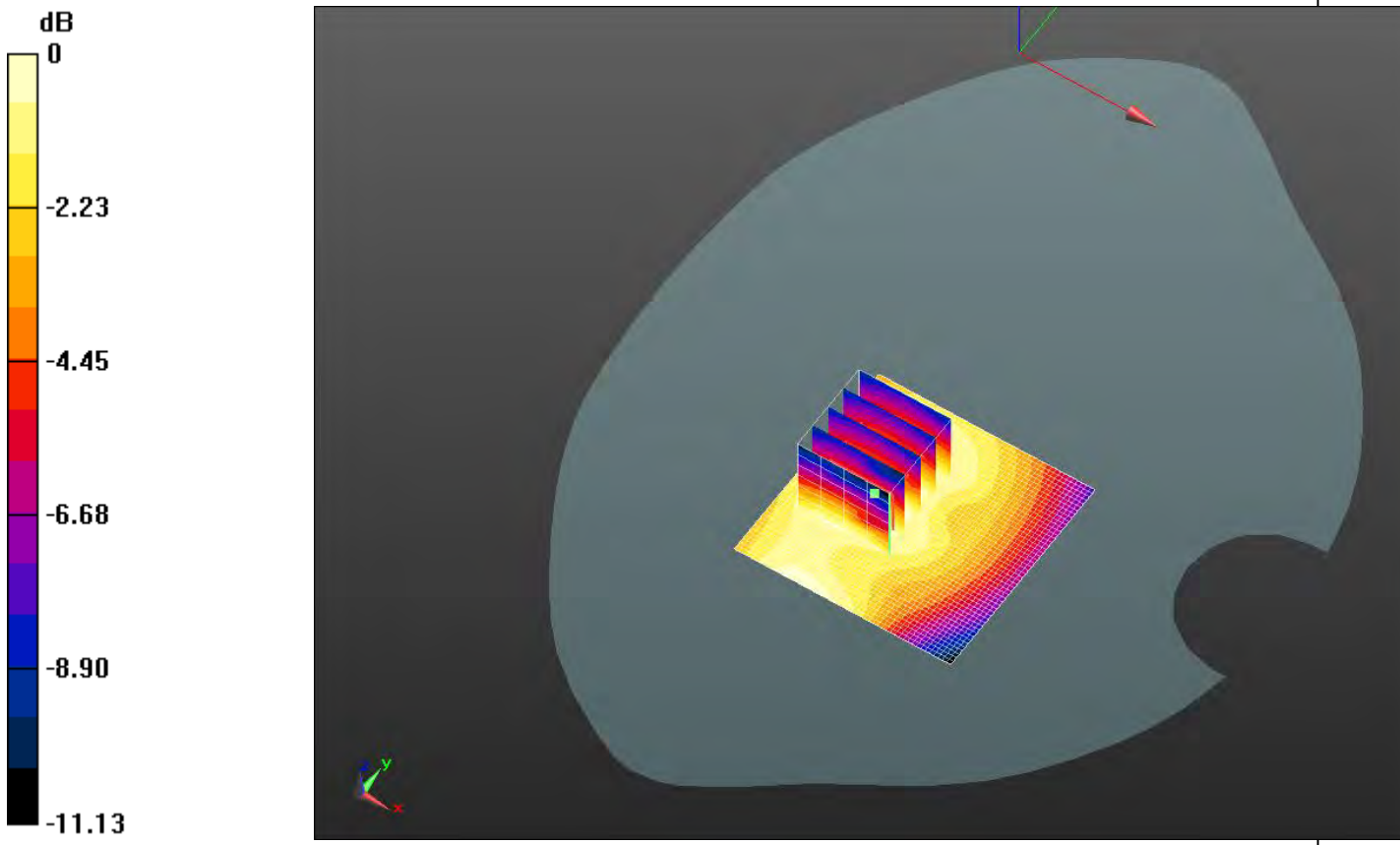
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC0-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.087 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.132 W/kg

EVDO BC0-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.141 mW/g
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.094 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.132 W/kg = -17.61 dB W/kg

innos i6C+ EVDO BC0 Body Bottom Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

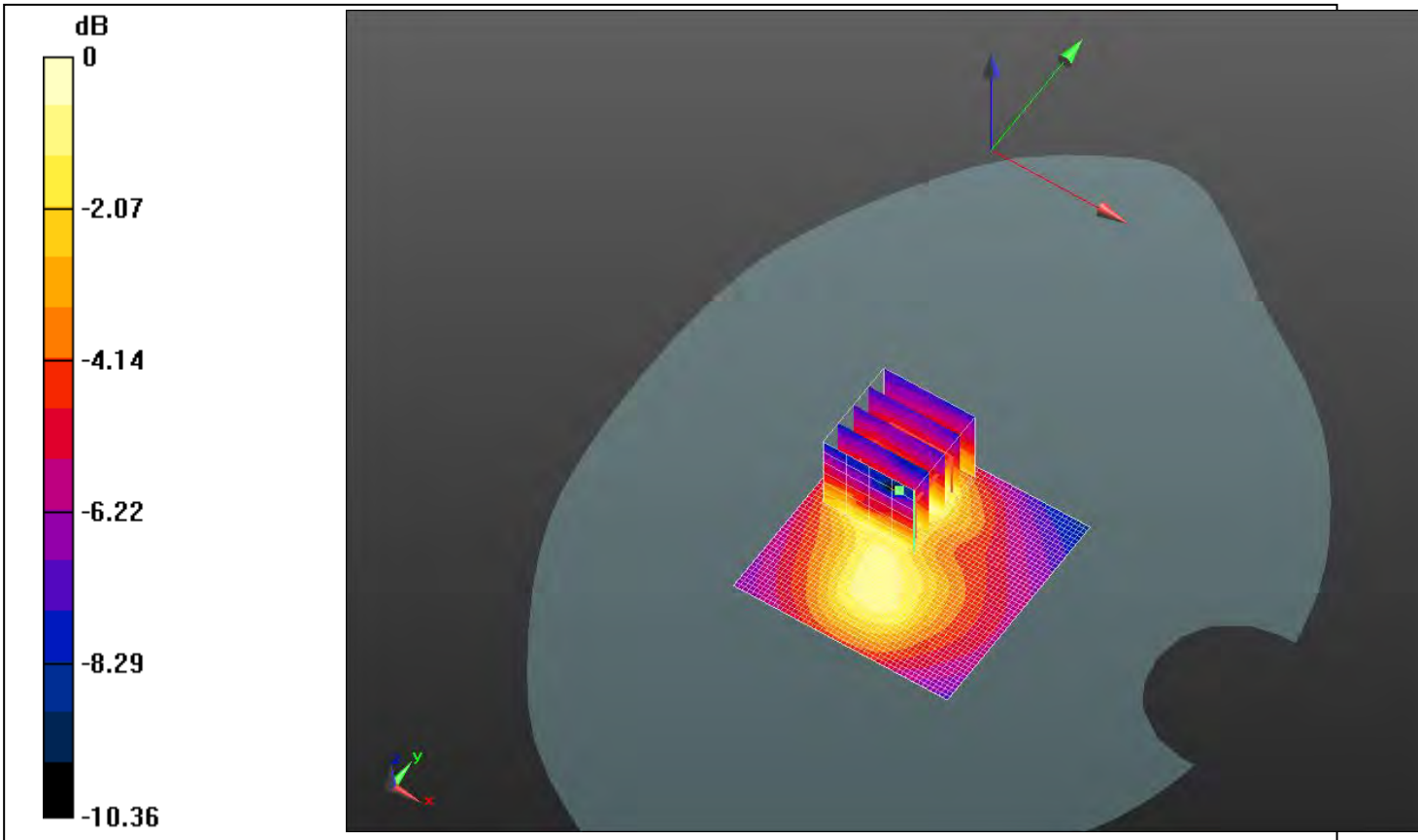
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC0-Bottom/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.014 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0257 W/kg

EVDO BC0-Bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.046 mW/g
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.013 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0272 W/kg



0 dB = 0.0257 W/kg = -31.79 dB W/kg

innos i6C+ EVDO BC0 Body Left Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

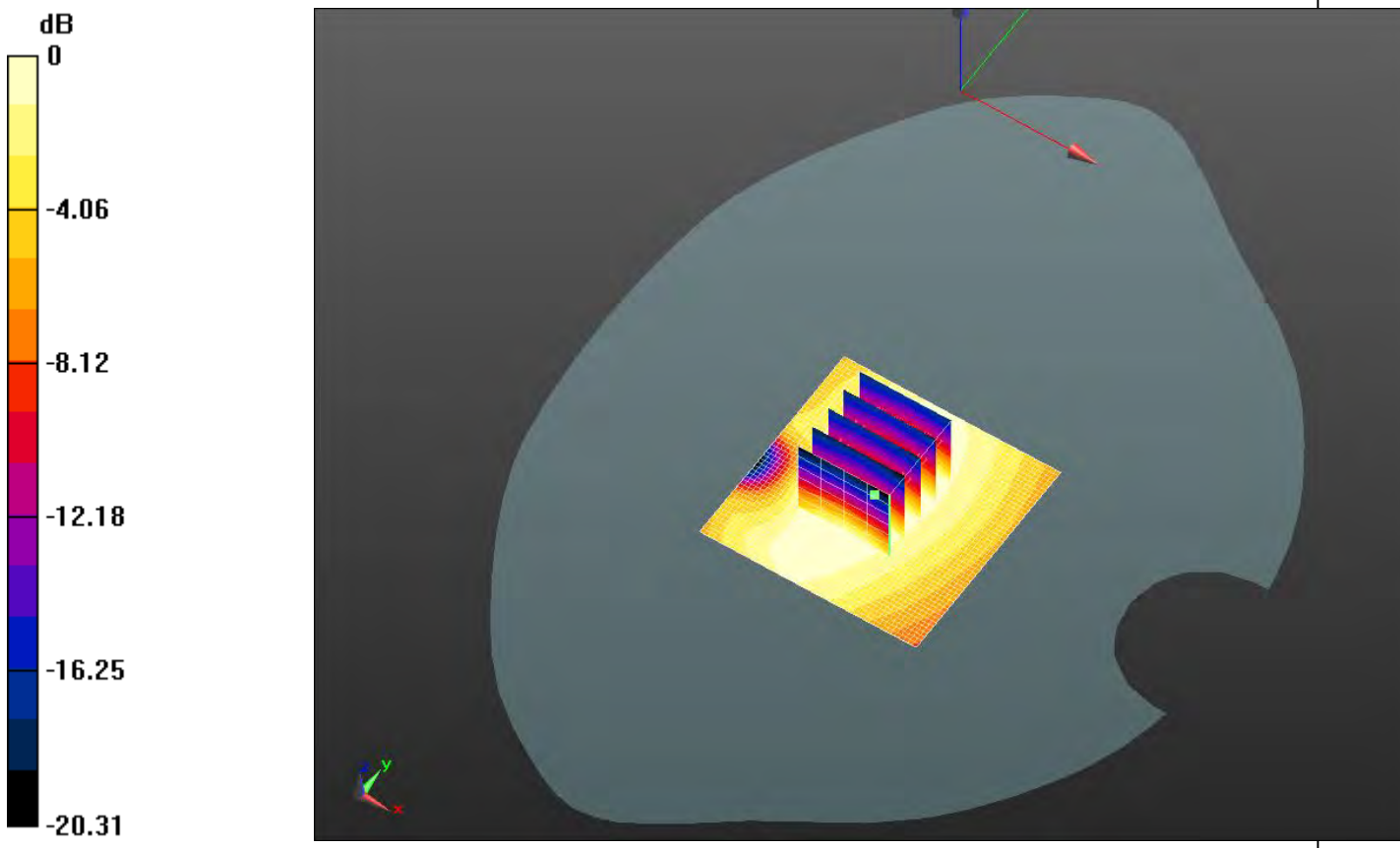
EVDO BC0-Left Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.032 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0491 W/kg

EVDO BC0-Left Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.059 mW/g
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.033 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0481 W/kg



0 dB = 0.0491 W/kg = -26.19 dB W/kg

innos i6C+ EVDO BC0 Body Right Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC0; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 1.01 mho/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

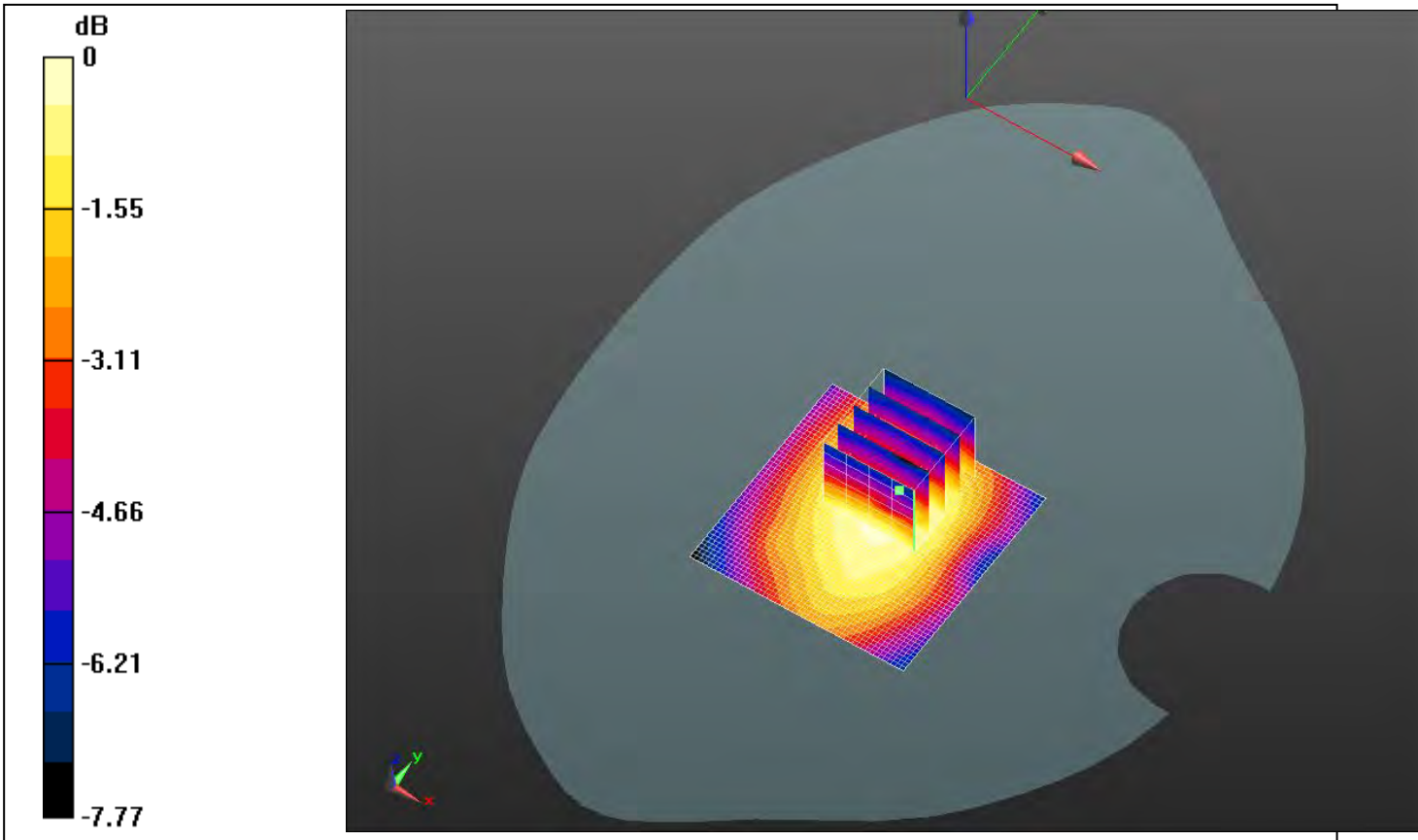
- Probe: ES3DV3 - SN3203; ConvF(6.19, 6.19, 6.19); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BCo-Right Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.066 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.102 W/kg

EVDO BCo-Right Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.933 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.121 mW/g
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.067 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0994 W/kg



0 dB = 0.102 W/kg = -19.87 dB W/kg

innos i6C+ CDMA BC1 Body Front Mid

DUT: I6C+; Type: default; Serial: Not Specified

Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB

Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

Phantom section: Flat Section

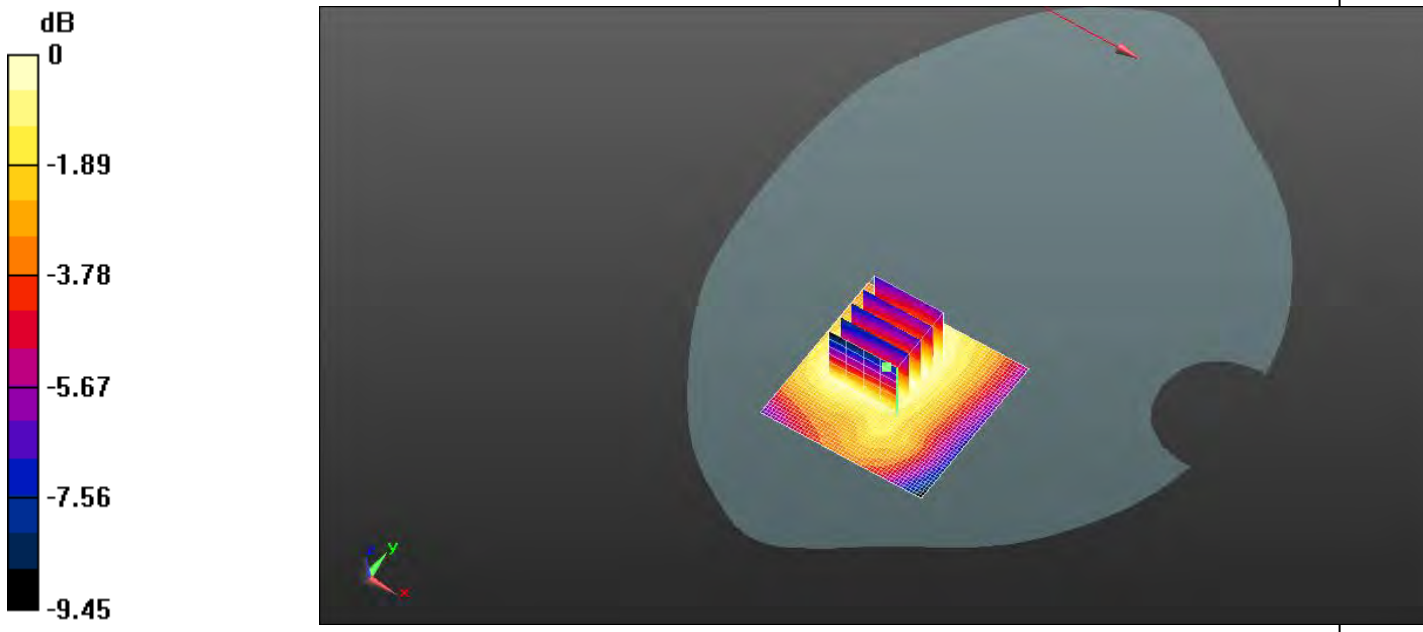
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (interpolated) = 0.315 W/kg

CDMA BC1-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.385 mW/g
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.315 W/kg = -10.04 dB W/kg

innos i6C+ CDMA BC1 Body Back Mid

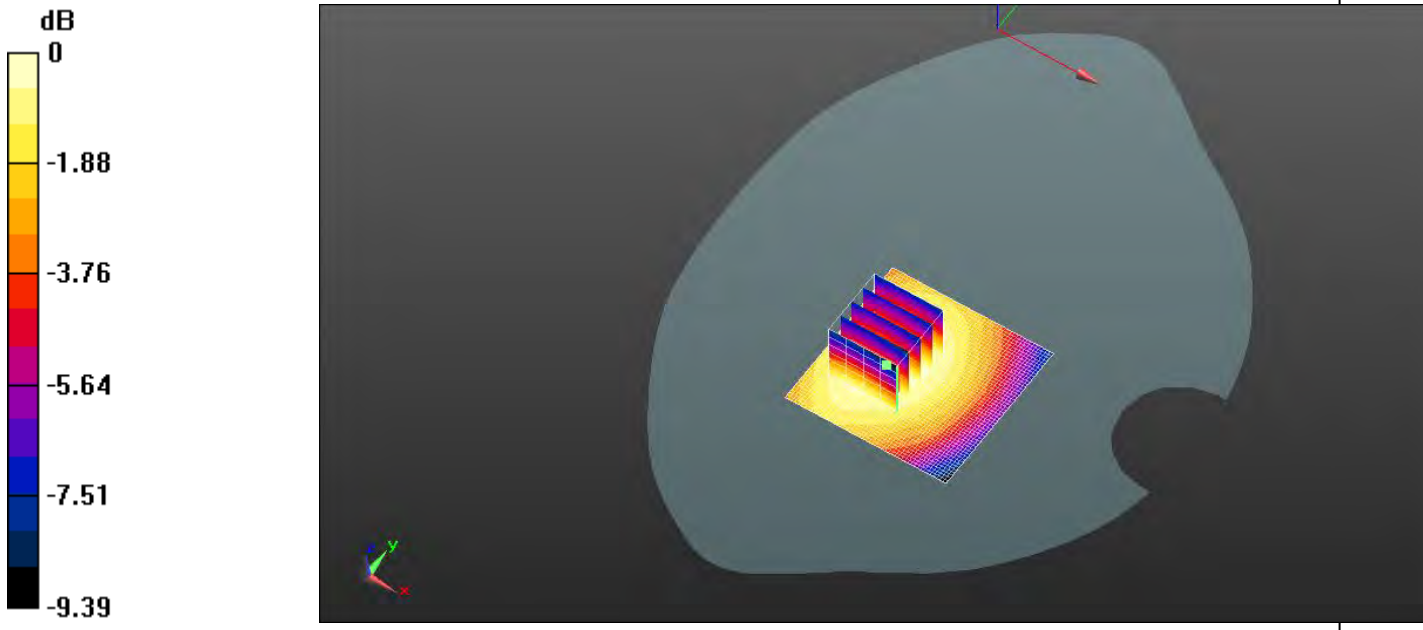
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (interpolated) = 0.527 W/kg

CDMA BC1-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.586 mW/g
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.513 W/kg



0 dB = 0.527 W/kg = -5.56 dB W/kg

innos i6C+ CDMA BC1 Body Bottom Mid

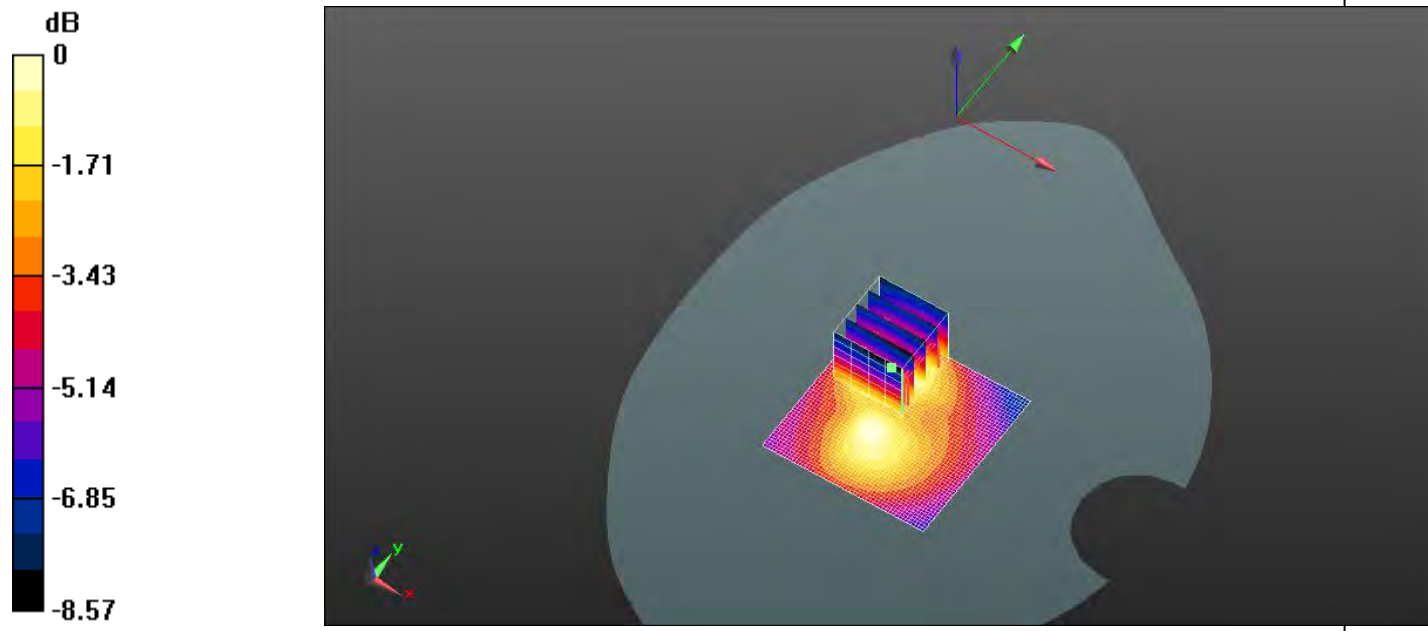
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB

Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Bottom/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (interpolated) = 0.153 W/kg

CDMA BC1-Bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.235 mW/g
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.153 W/kg = -16.30 dB W/kg

innos i6C+ CDMA BC1 Body Left Side Mid

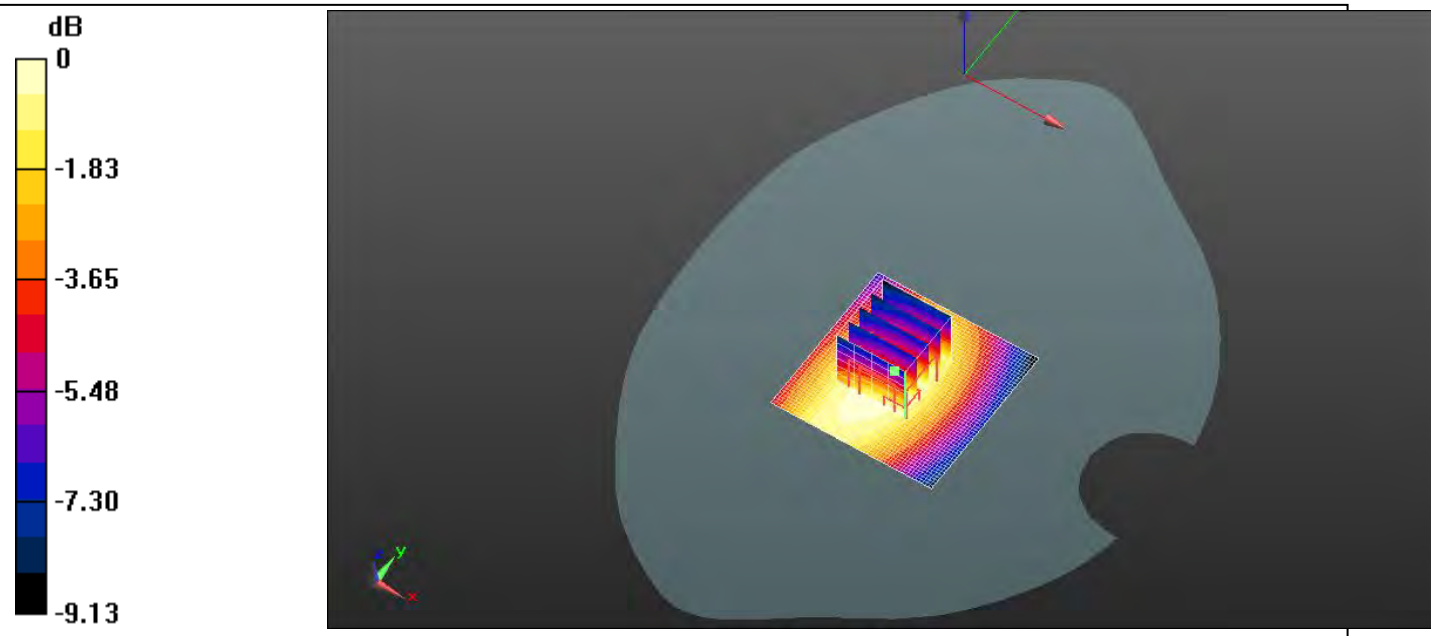
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Left Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (interpolated) = 0.191 W/kg

CDMA BC1-Left Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.202 mW/g
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.191 W/kg = -14.39 dB W/kg

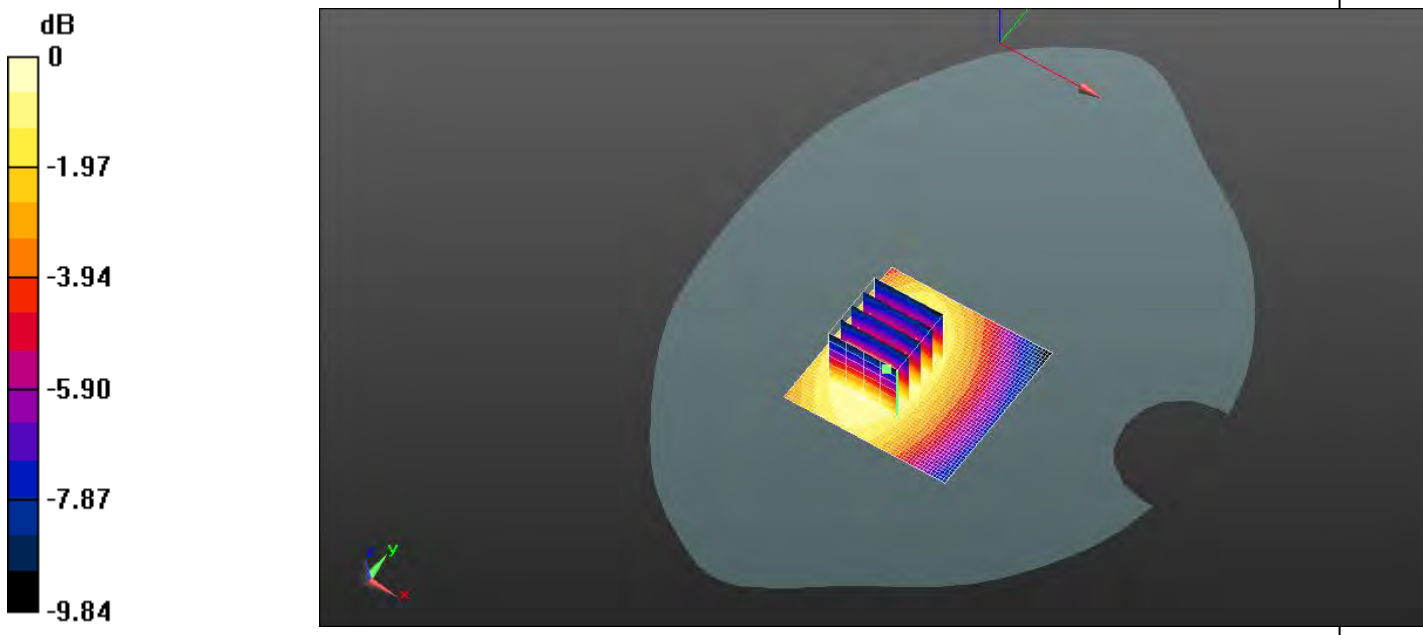
innos i6C+ CDMA BC1 Body Right Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: CDMA2000 BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

CDMA BC1-Right Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (interpolated) = 0.241 W/kg

CDMA BC1-Right Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 0.296 mW/g
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.241 W/kg = -12.37 dB W/kg

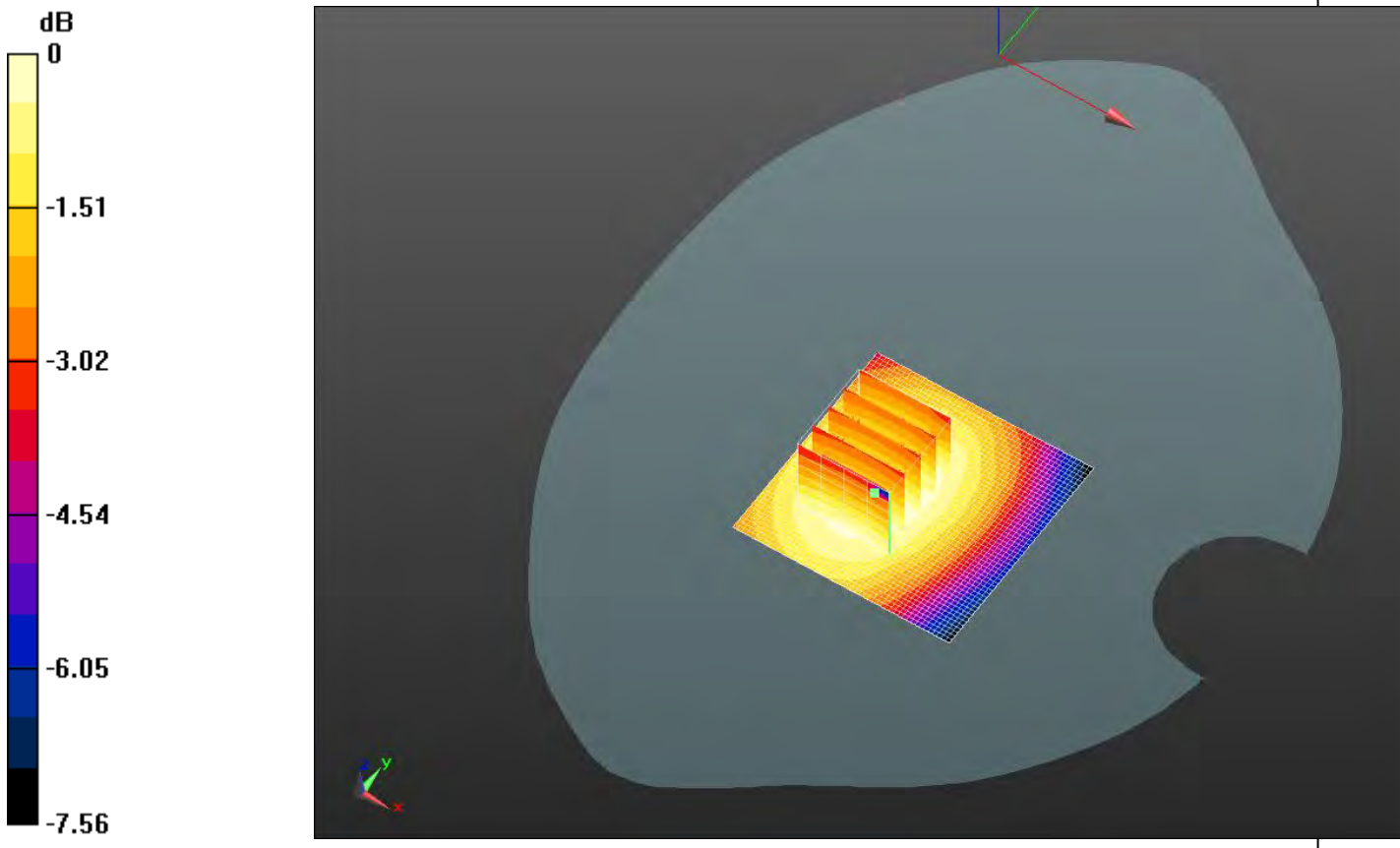
innos i6C+ EVDO BC1 Body Front Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Faceup/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (interpolated) = 0.371 W/kg

EVDO BC1-Faceup/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.422 mW/g
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.371 W/kg = -8.61 dB W/kg

innos i6C+ EVDO BC1 Body Back Mid

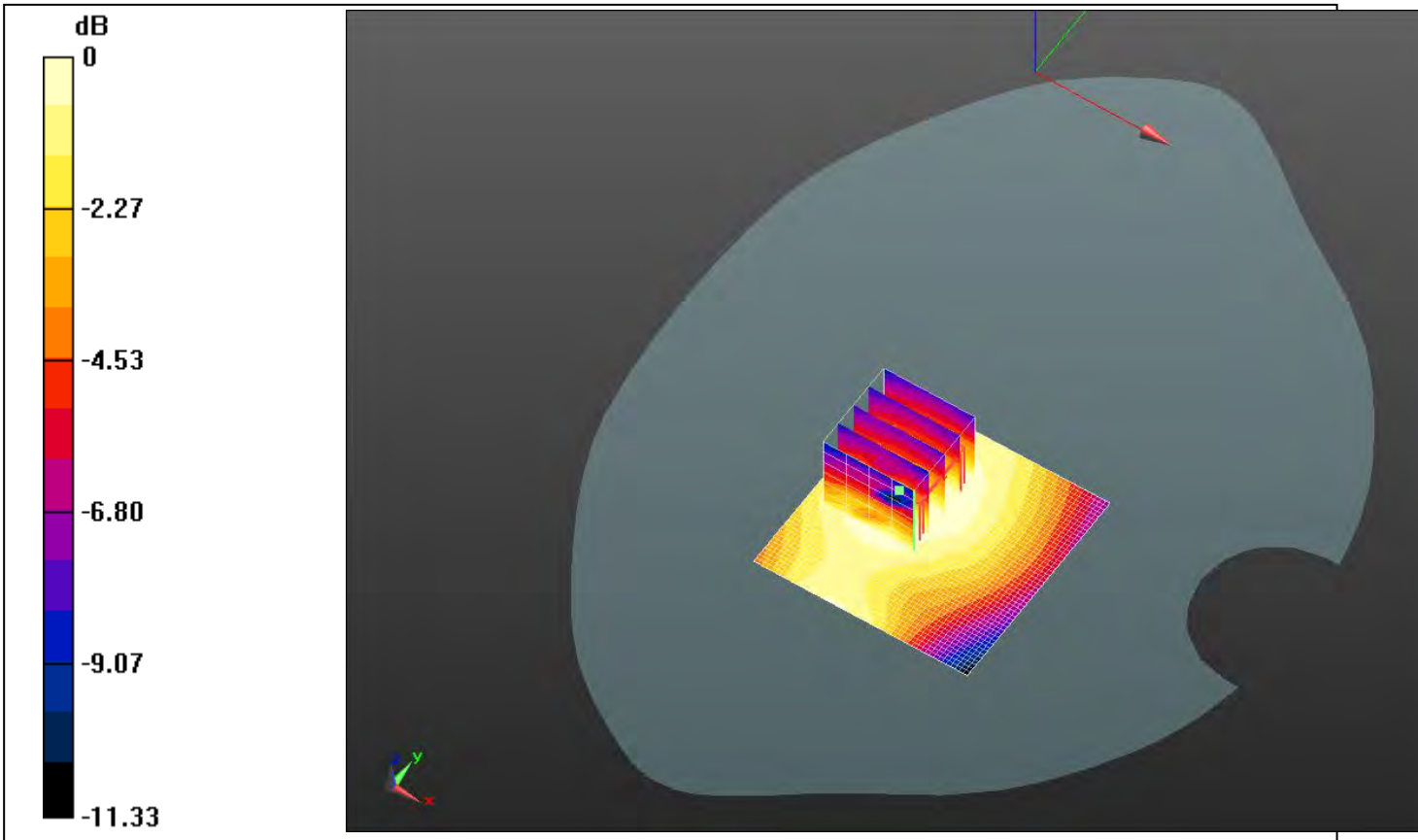
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Facedown/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.328 mW/g
Maximum value of SAR (interpolated) = 0.552 W/kg

EVDO BC1-Facedown/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.971 mW/g
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.415 mW/g
Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.552 W/kg = -5.16 dB W/kg

innos i6C+ EVDO BC1 Body Bottom Mid

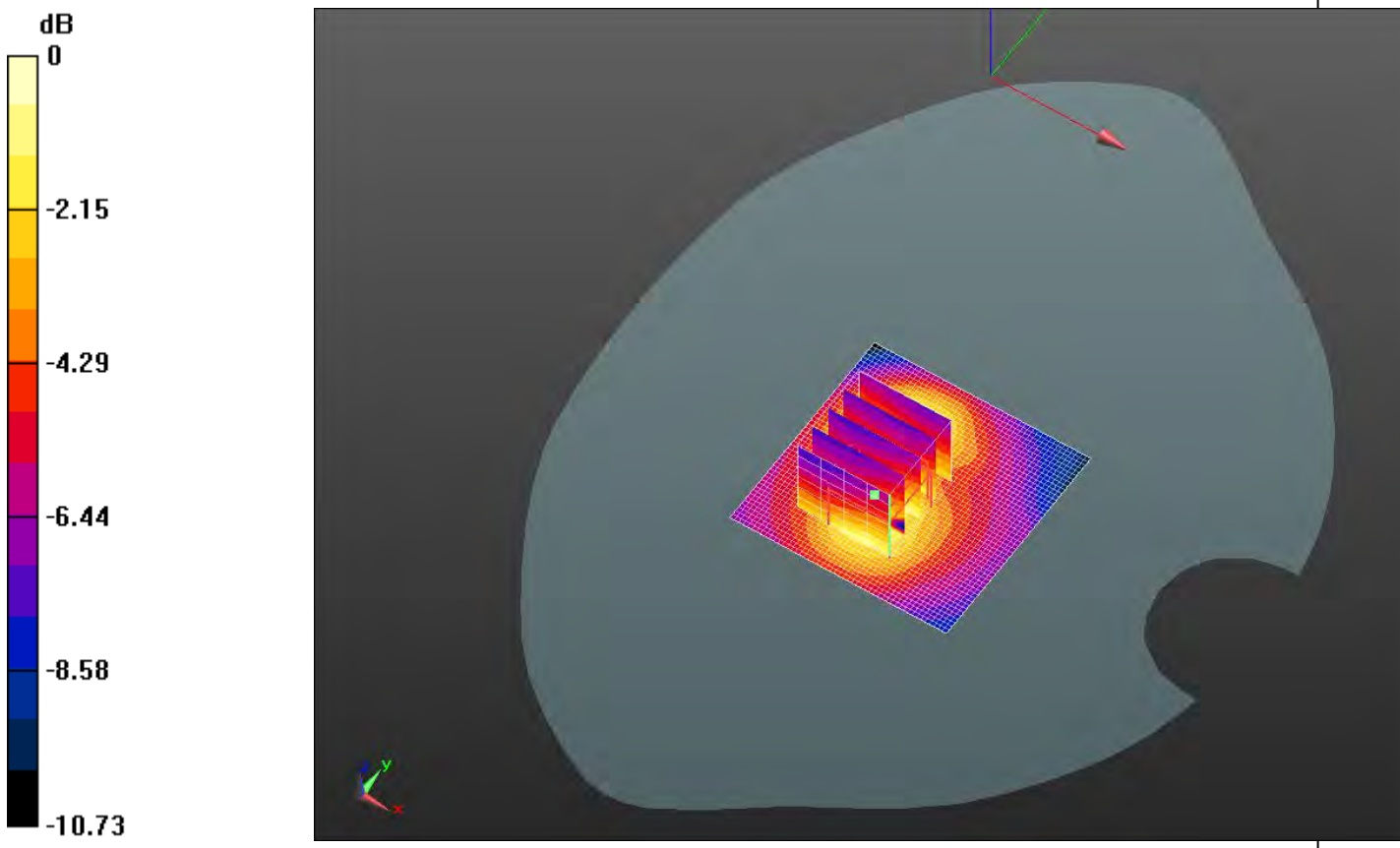
DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: 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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Bottom/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (interpolated) = 0.156 W/kg

EVDO BC1-Bottom/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.310 mW/g
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.156 W/kg = -16.15 dB W/kg

innos i6C+ EVDO BC1 Body Left Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3

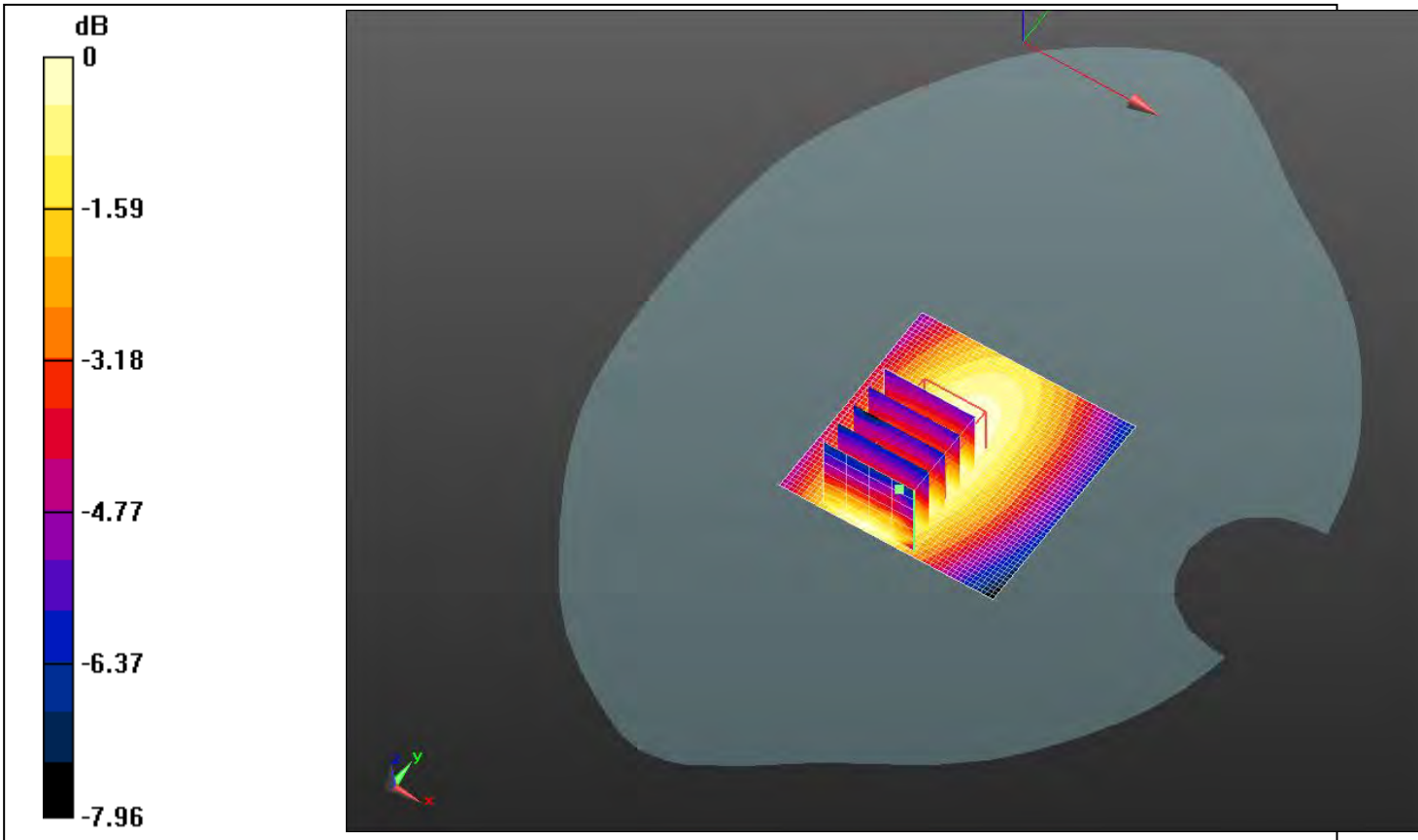
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

- Probe: ES3DV3 - SN3203; ConvF(4.91, 4.91, 4.91); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Left Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (interpolated) = 0.0899 W/kg

EVDO BC1-Left Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.118 mW/g
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.0864 W/kg



0 dB = 0.0899 W/kg = -20.93 dB W/kg

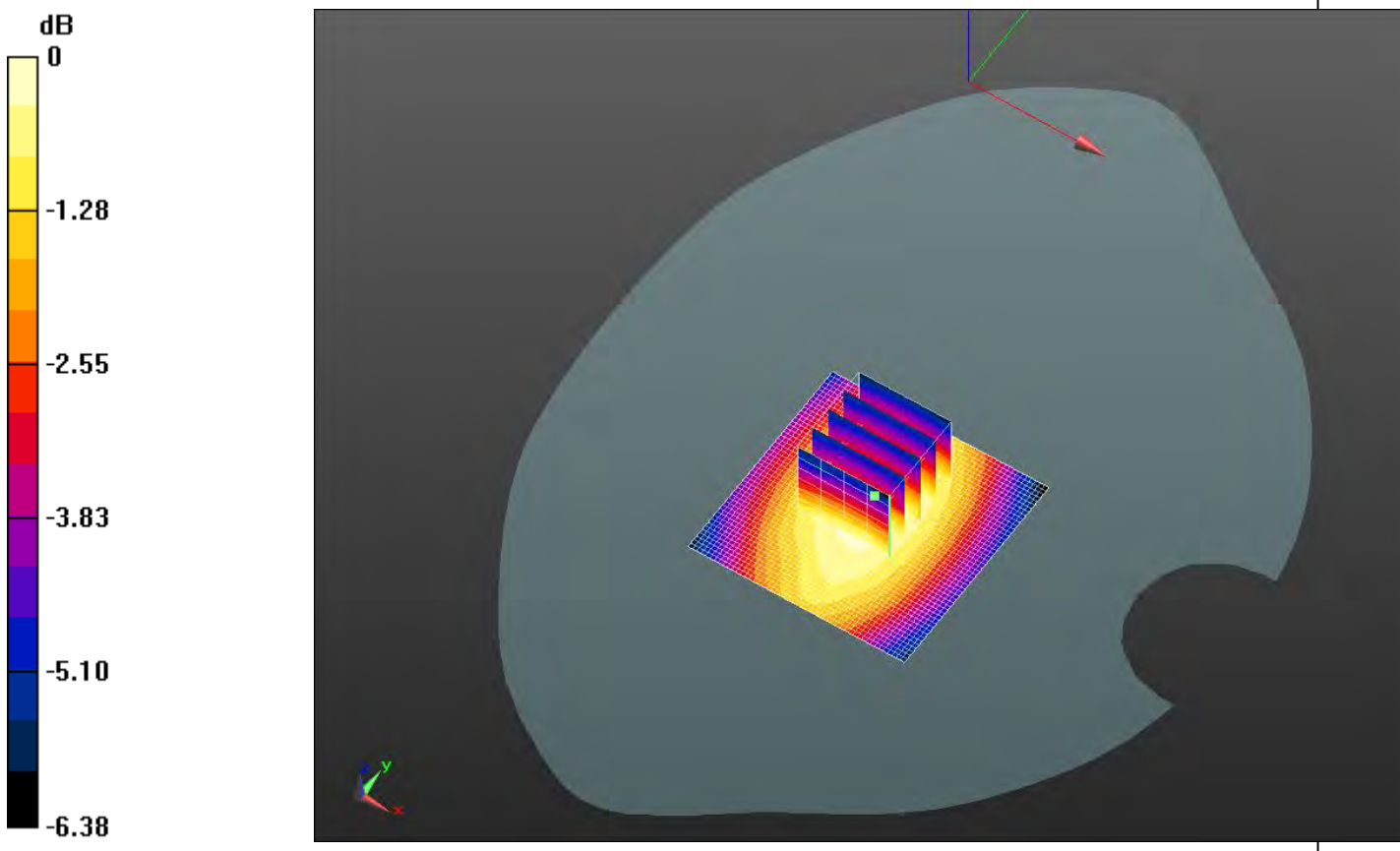
innos i6C+ EVDO BC1 Body Right Side Mid

DUT: I6C+; Type: default; Serial: Not Specified
Communication System: CDMA 1X ; Communication System Band: EVDO BC1; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.14; ρ = 1000 kg/m^3
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: 2009.02.03.
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1504
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

EVDO BC1-Right Side/Mid/Area Scan (51x51x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Fast SAR: SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (interpolated) = 0.149 W/kg

EVDO BC1-Right Side/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.503 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 0.176 mW/g
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -16.55 dB W/kg

WiFi body-worn 802.11b Front-Mid

DUT: MID; Type: default; Serial: Not Specified
Communication System: 802.11b WiFi 2.4GHz(DSSS,11Mbps); Communication System Band: 802.11b; Frequency: 2437 MHz;Communication System PAR: 3.599 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3

Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:

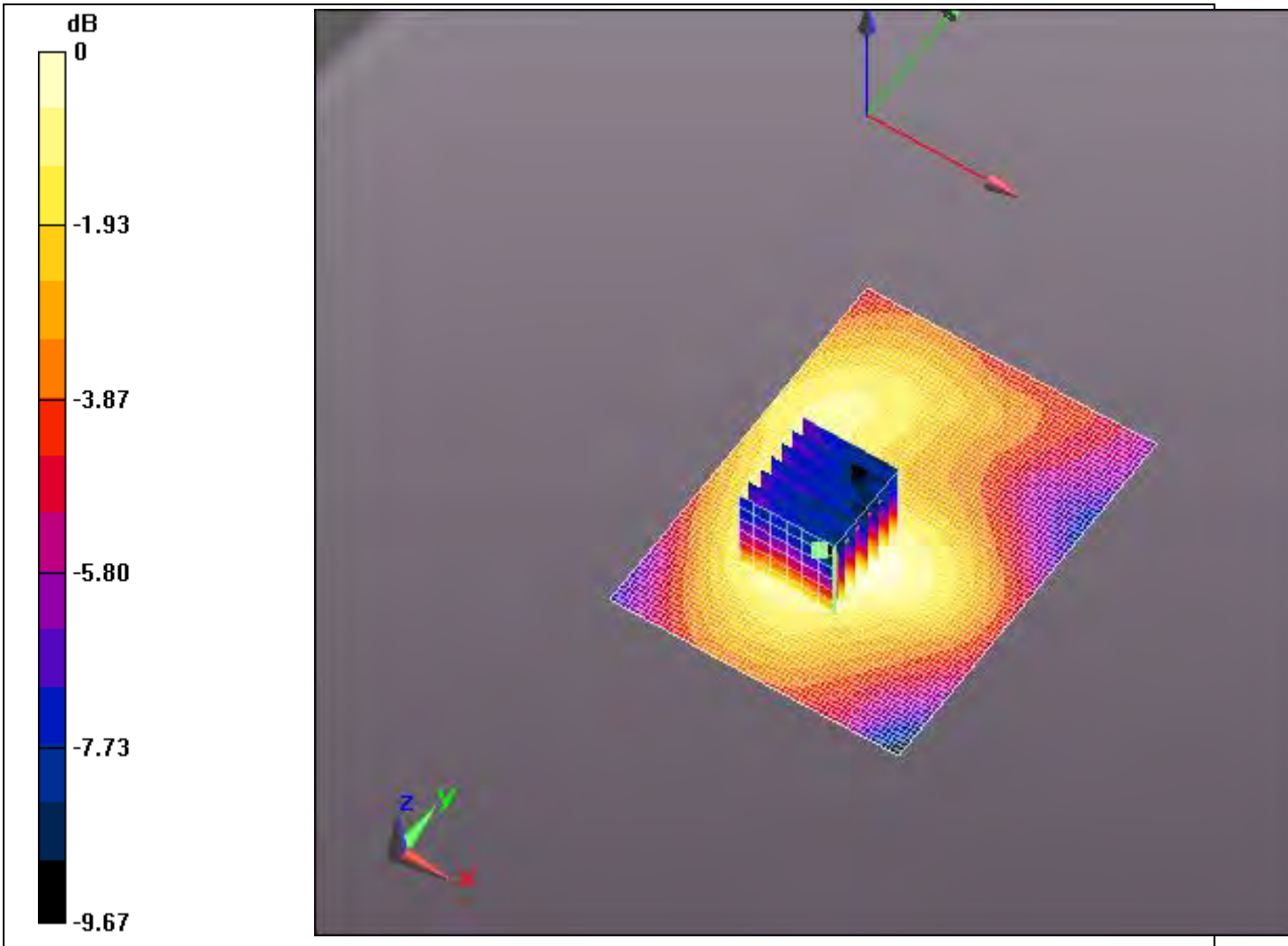
- Probe: ES3DV3 - SN3203; ConvF(4.22, 4.22, 4.22); Calibrated: 2012.10.24.;
    -
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm 2/Front-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.034 V/m; Power Drift = 1.76 dB
Fast SAR: SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.018 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0337 W/kg

802.11b-10mm 2/Front-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.034 V/m; Power Drift = 1.76 dB
Peak SAR (extrapolated) = 0.056 mW/g
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.021 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0342 W/kg



0 dB = 0.0337 W/kg = -29.46 dB W/kg

WiFi body-worn 802.11b Back-Mid

DUT: MID; Type: default; Serial: Not Specified
Communication System: 802.11b WiFi 2.4GHz(DSSS,11Mbps); Communication System Band: 802.11b; Frequency: 2437 MHz;Communication System PAR: 3.599 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
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)

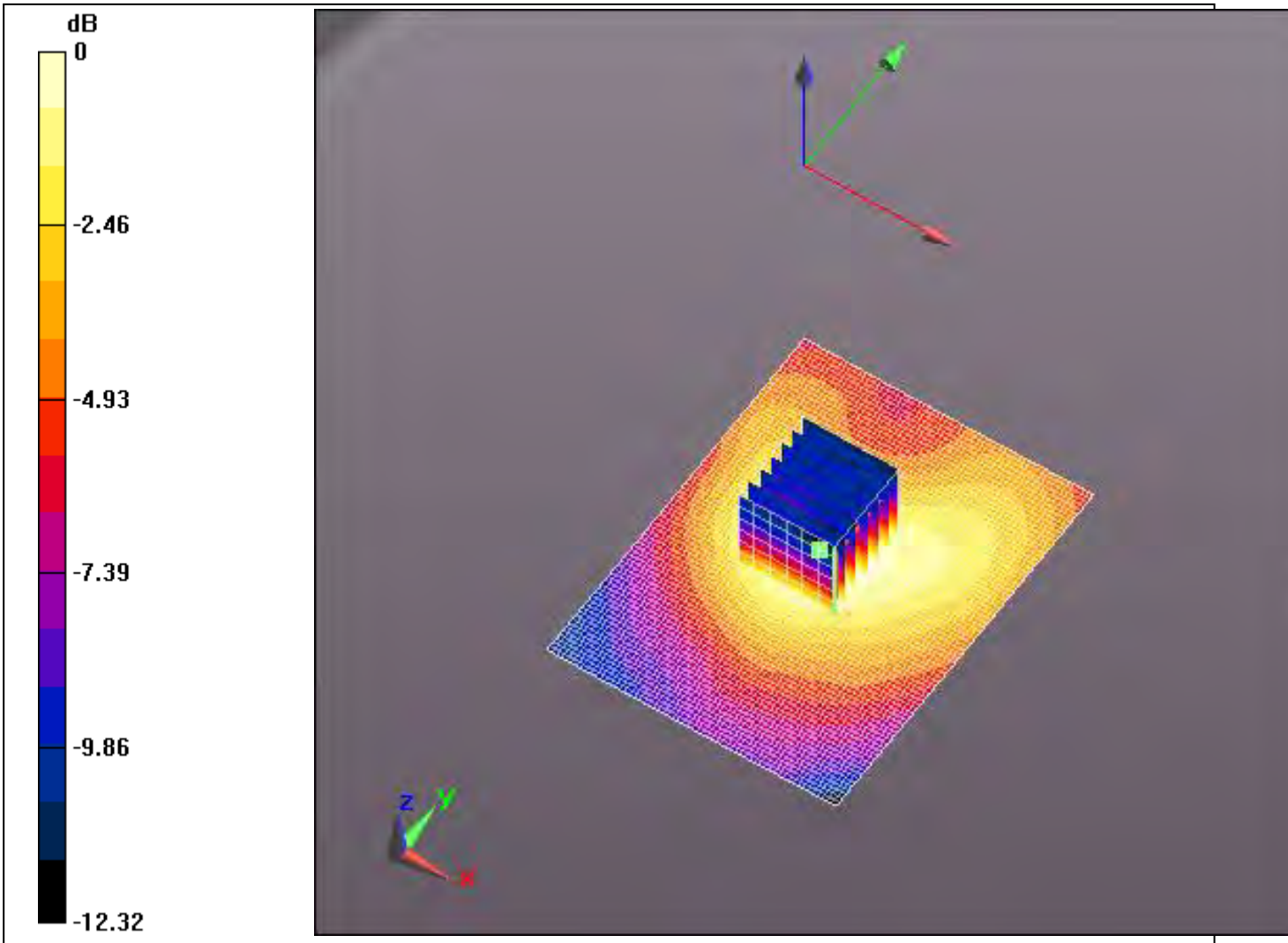
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm 2/back-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.779 V/m; Power Drift = 0.62 dB
Fast SAR: SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.032 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0598 W/kg

802.11b-10mm 2/back-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.779 V/m; Power Drift = 0.62 dB
Peak SAR (extrapolated) = 0.092 mW/g
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.034 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0585 W/kg



0 dB = 0.0598 W/kg = -24.47 dB W/kg

WiFi body-worn 802.11b Top-Mid

DUT: MID; Type: default; Serial: Not Specified
Communication System: 802.11b WiFi 2.4GHz(DSSS,11Mbps); Communication System Band: 802.11b; Frequency: 2437 MHz;Communication System PAR: 3.599 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
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)

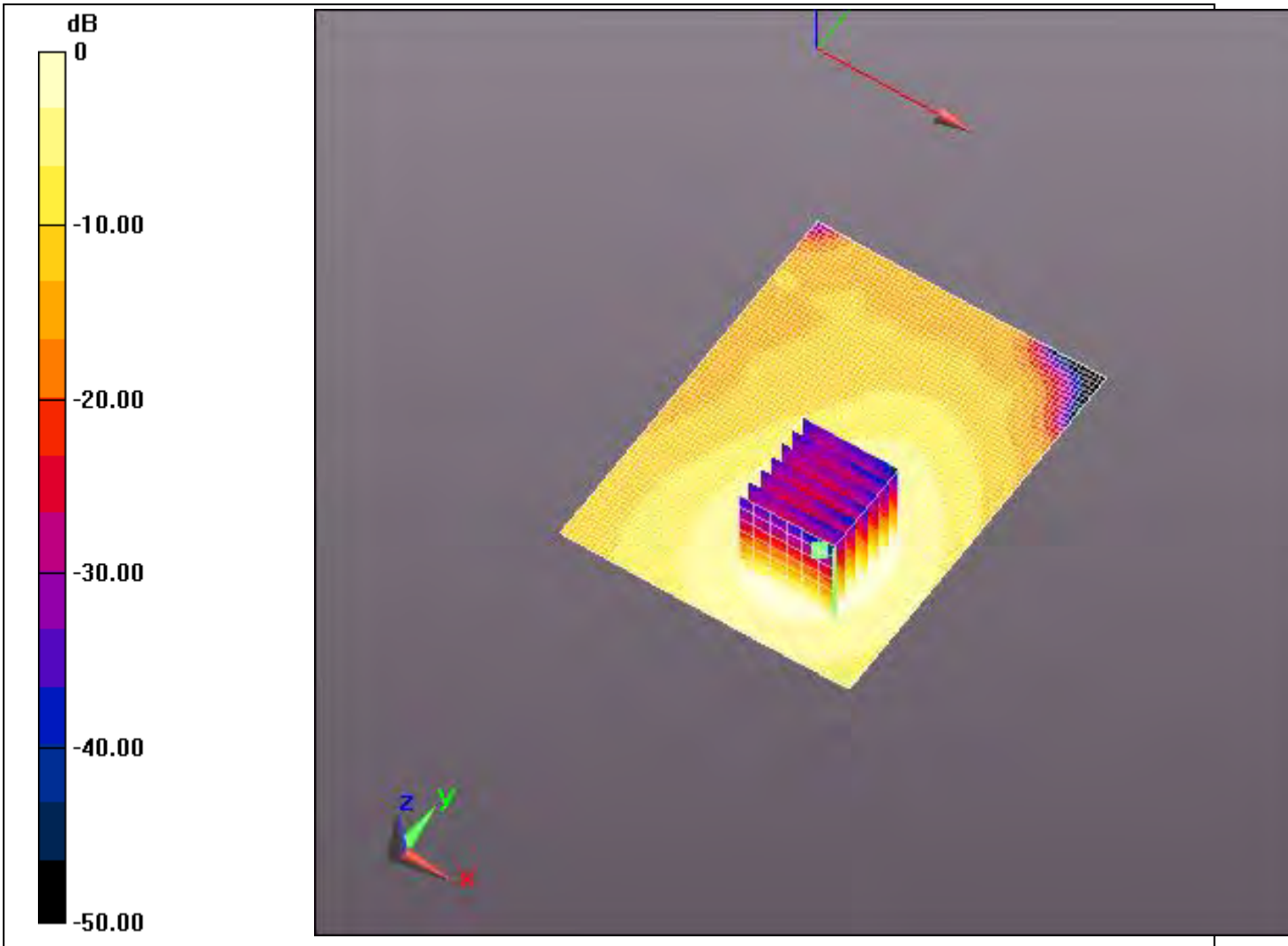
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm 2/top-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.970 V/m; Power Drift = 1.57 dB
Fast SAR: SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.063 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.126 W/kg

802.11b-10mm 2/top-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.970 V/m; Power Drift = 1.57 dB
Peak SAR (extrapolated) = 0.214 mW/g
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.064 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.127 W/kg



0 dB = 0.126 W/kg = -17.98 dB W/kg

WiFi body-worn 802.11b Right-Mid

DUT: MID; Type: default; Serial: Not Specified
Communication System: 802.11b WiFi 2.4GHz(DSSS,11Mbps); Communication System Band: 802.11b; Frequency: 2437 MHz;Communication System PAR: 3.599 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.011 mho/m; ε_r = 50.719; ρ = 1000 kg/m^3
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)

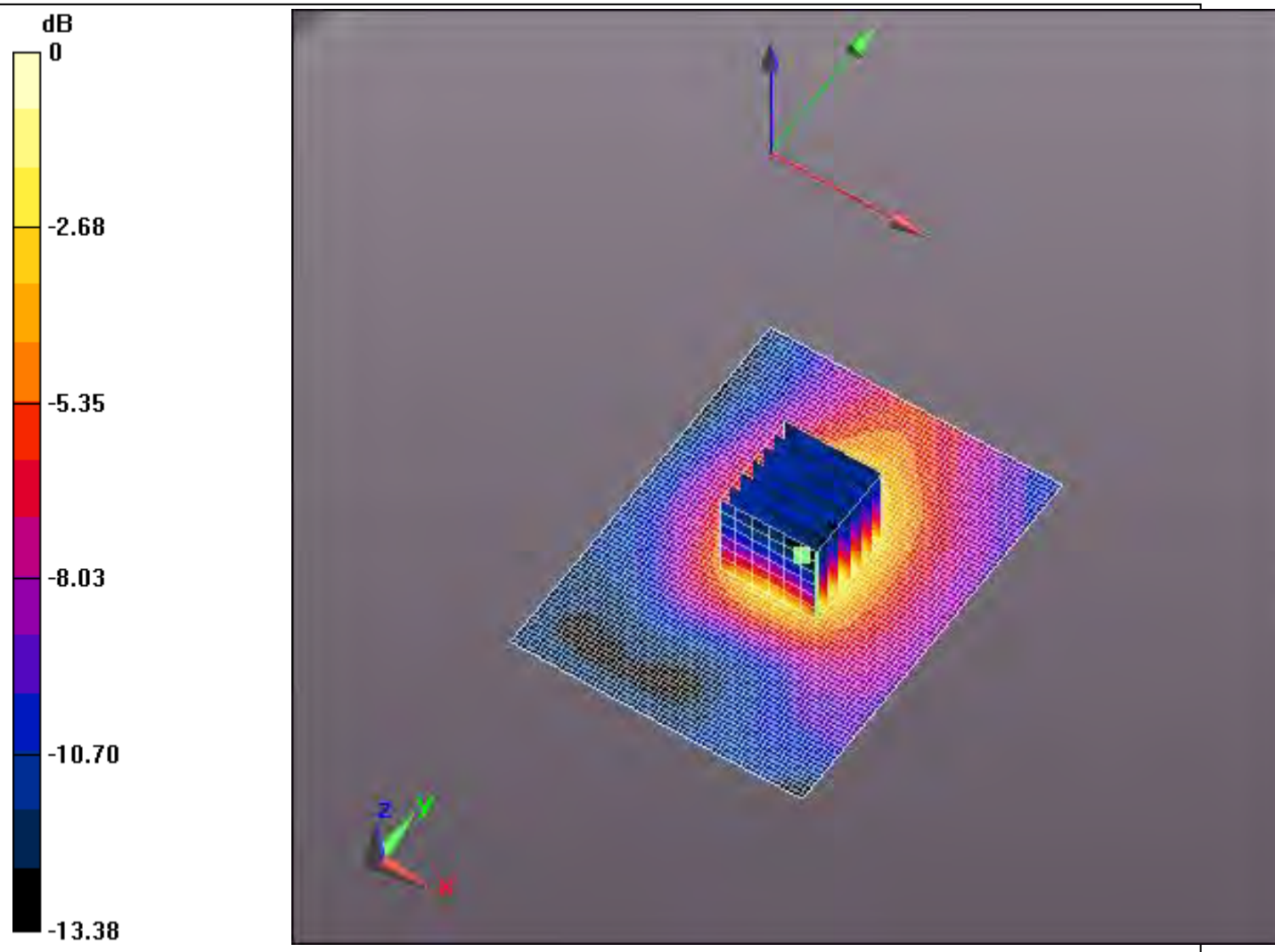
- Electronics: DAE4 Sn876; Calibrated: 2011.09.28.
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

802.11b-10mm 2/Right-Mid/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.375 V/m; Power Drift = 0.76 dB
Fast SAR: SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.040 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0868 W/kg

802.11b-10mm 2/Right-Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.375 V/m; Power Drift = 0.76 dB
Peak SAR (extrapolated) = 0.138 mW/g
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.042 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0816 W/kg



0 dB = 0.0868 W/kg = -21.23 dB W/kg

APPENDIX D: RELEVANT PAGES FROM PROBE CALIBRATION REPORT(S)

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Client SMQ (Auden)

Certificate No: ES3-3203_Oct12

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3203

Calibration procedure(s): QA CAL-01.v8, QA CAL-12.v7, QA CAL-23.v4, QA CAL-25.v4
Calibration procedure for dosimetric E-field probes

Calibration date: October 24, 2012

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	29-Mar-12 (No. 217-01508)	Apr-13
Power sensor E4412A	MY41498087	29-Mar-12 (No. 217-01508)	Apr-13
Reference 3 dB Attenuator	SN: S5054 (3c)	27-Mar-12 (No. 217-01531)	Apr-13
Reference 20 dB Attenuator	SN: S5086 (20b)	27-Mar-12 (No. 217-01529)	Apr-13
Reference 30 dB Attenuator	SN: S5129 (30b)	27-Mar-12 (No. 217-01532)	Apr-13
Reference Probe ES3DV2	SN: 3013	29-Dec-11 (No. ES3-3013_Dec11)	Dec-12
DAE4	SN: 660	20-Jun-12 (No. DAE4-660_Jun12)	Jun-13
Secondary Standards	ID	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (in house check Apr-11)	In house check: Apr-13
Network Analyzer HP 8753E	US37390585	18-Oct-01 (in house check Oct-12)	In house check: Oct-13

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: October 25, 2012

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS) **Accreditation No.: SCS 108**
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z, VRx,y,z*: *A, B, C* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- *ConvF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- *Spherical isotropy (3D deviation from isotropy)*: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- *Sensor Offset*: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

Probe ES3DV3

SN:3203

Manufactured: July 1, 2008
Calibrated: October 24, 2012

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3203

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.48	1.35	1.17	± 10.1 %
DCP (mV)[B]	97.4	98.4	100.6	

Modulation Calibration Parameters

UID	Communication System Name	PAR		A dB	B dB	C dB	VR mV	Unc[E] (k=2)
0	CW	0.00	X	0.0	0.0	1.0	165.4	±3.3 %
			Y	0.0	0.0	1.0	162.0	
			Z	0.0	0.0	1.0	142.5	

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of NormX,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3203

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha	Depth (mm)	Unct. (k=2)
900	41.5	0.97	6.17	6.17	6.17	0.22	2.35	± 12.0 %
1810	40.0	1.40	5.20	5.20	5.20	0.62	1.36	± 12.0 %
2450	39.2	1.80	4.48	4.48	4.48	0.62	1.54	± 12.0 %

[C] Frequency validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3203

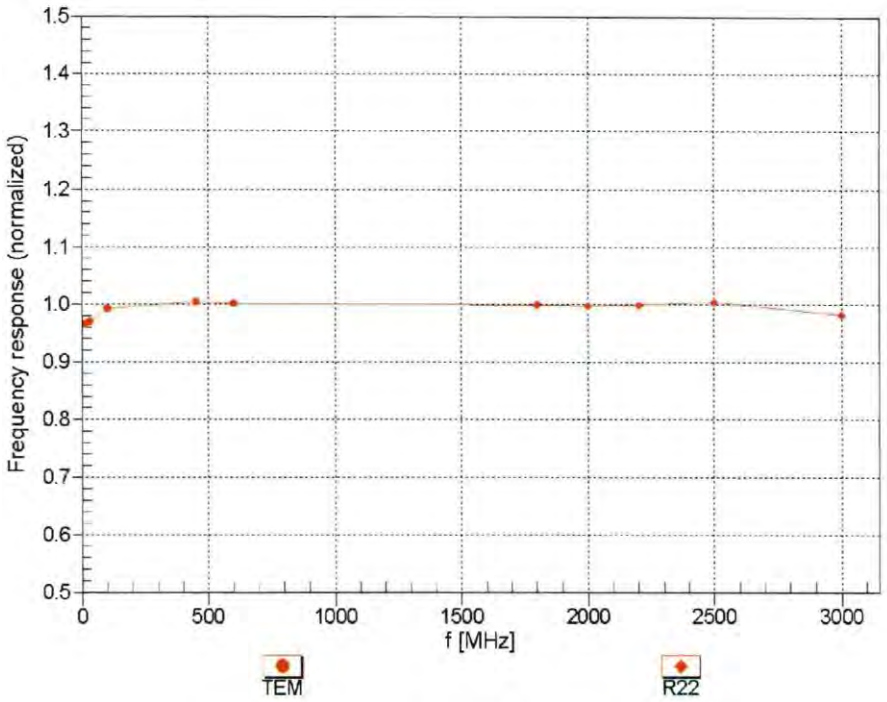
Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha	Depth (mm)	Unct. (k=2)
450	56.7	0.94	7.35	7.35	7.35	0.08	1.20	± 13.4 %
900	55.0	1.05	6.19	6.19	6.19	0.26	2.17	± 12.0 %
1810	53.3	1.52	4.91	4.91	4.91	0.58	1.45	± 12.0 %
2450	52.7	1.95	4.22	4.22	4.22	0.80	1.18	± 12.0 %

[C] Frequency validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

Frequency Response of E-Field

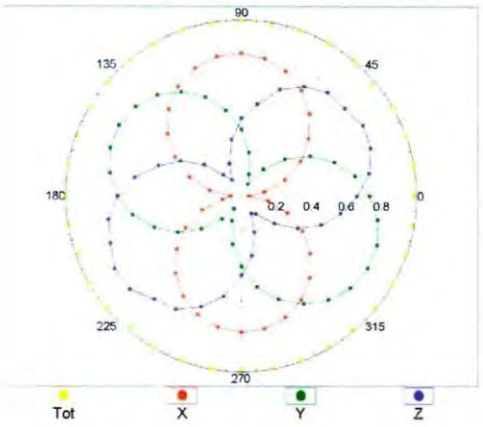
(TEM-Cell:ifi110 EXX, Waveguide: R22)



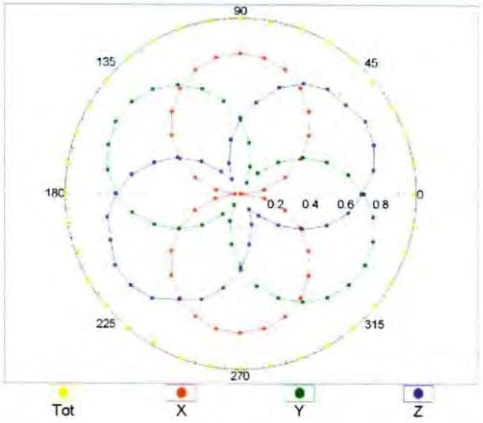
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

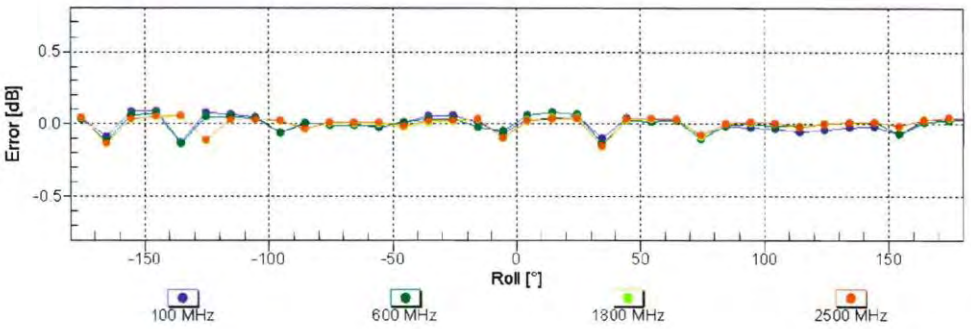
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



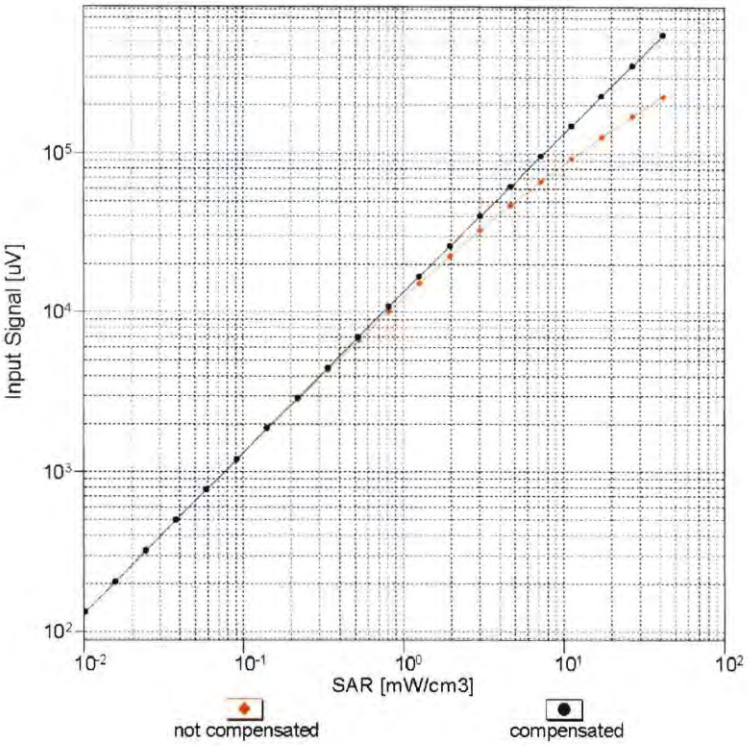
f=1800 MHz,R22

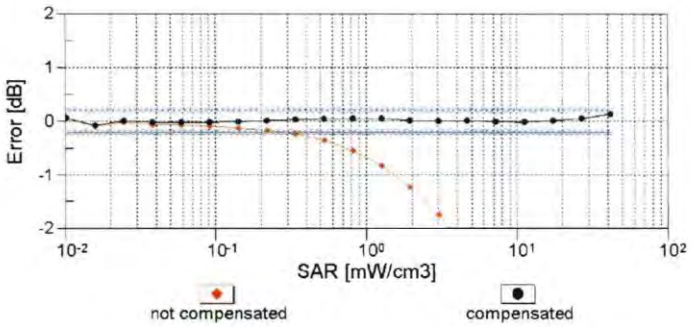




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f = 900 MHz)





Uncertainty of Linearity Assessment: ± 0.6% (k=2)

APPENDIX E: RELEVANT PAGES FROM DIPOLE VALIDATION KIT REPORT(S)

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **SMQ (Auden)**

Certificate No: **D835V2-4d141_Sep12**

CALIBRATION CERTIFICATE

Object	D835V2 - SN: 4d141
Calibration procedure(s)	QA CAL-05.v8 Calibration procedure for dipole validation kits above 700 MHz
Calibration date:	September 24, 2012

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	05-Oct-11 (No. 217-01451)	Oct-12
Power sensor HP 8481A	US37292783	05-Oct-11 (No. 217-01451)	Oct-12
Reference 20 dB Attenuator	SN: 5058 (20k)	27-Mar-12 (No. 217-01530)	Apr-13
Type-N mismatch combination	SN: 5047.2 / 06327	27-Mar-12 (No. 217-01533)	Apr-13
Reference Probe ES3DV3	SN: 3205	30-Dec-11 (No. ES3-3205_Dec11)	Dec-12
DAE4	SN: 601	27-Jun-12 (No. DAE4-601_Jun12)	Jun-13

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (in house check Oct-11)	In house check: Oct-13
RF generator R&S SMT-06	100005	04-Aug-99 (in house check Oct-11)	In house check: Oct-13
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (in house check Oct-11)	In house check: Oct-12

	Name	Function	Signature
Calibrated by:	Israe El-Naouq	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: September 24, 2012

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) Federal Communications Commission Office of Engineering & Technology (FCC OET), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

Additional Documentation:

d) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.8.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	41.3 ± 6 %	0.90 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.34 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	**9.35 mW /g ± 17.0 % (k=2)**

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.53 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	**6.12 mW /g ± 16.5 % (k=2)**

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.2	0.97 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	53.2 ± 6 %	1.00 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C	----	----

SAR result with Body TSL

SAR averaged over 1 cm³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	2.44 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	**9.46 mW / g ± 17.0 % (k=2)**

SAR averaged over 10 cm³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.60 mW / g
SAR for nominal Body TSL parameters	normalized to 1W	**6.25 mW / g ± 16.5 % (k=2)**

Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.6 Ω - 2.7 jΩ
Return Loss	- 28.7 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	50.1 Ω - 1.9 jΩ
Return Loss	- 34.6 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.391 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	March 27, 2012

DASY5 Validation Report for Head TSL

Date: 24.09.2012

Test Laboratory: SPEAG, Zurich, Switzerland

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

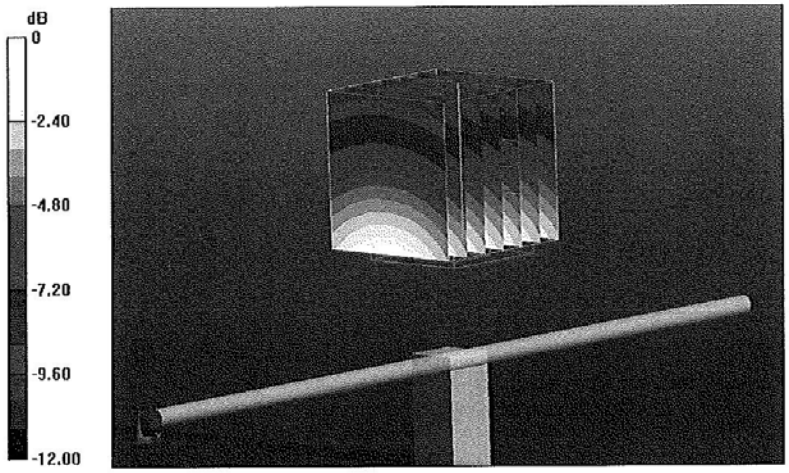
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(6.07, 6.07, 6.07); Calibrated: 30.12.2011;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 27.06.2012
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

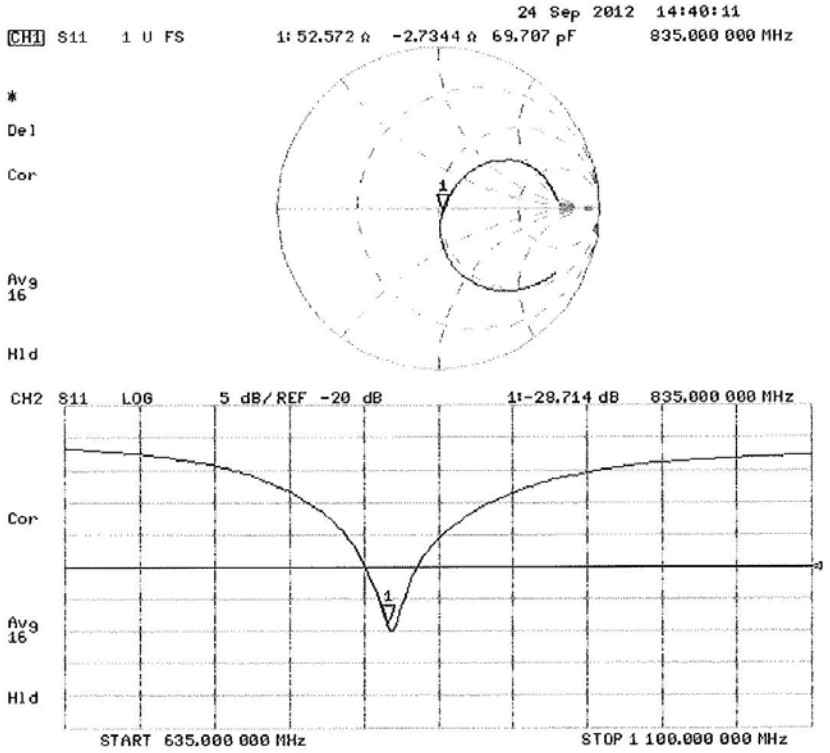
Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.647 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.447 mW/g
SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.53 mW/g
Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg = 8.66 dB W/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 24.09.2012

Test Laboratory: SPEAG, Zurich, Switzerland

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

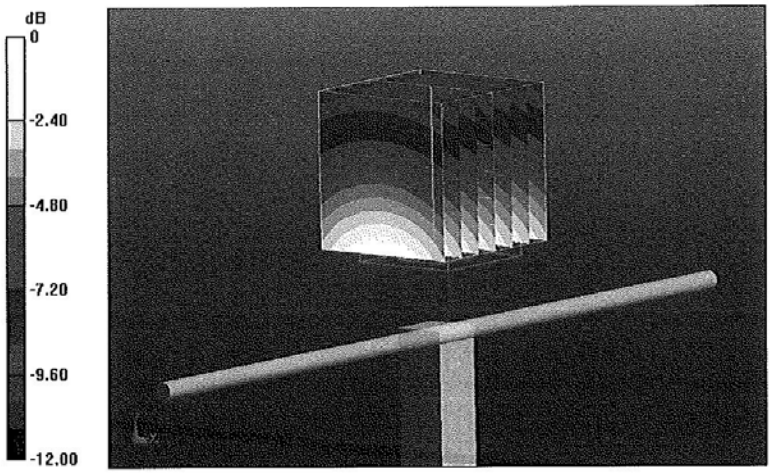
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 1 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(6.02, 6.02, 6.02); Calibrated: 30.12.2011;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 27.06.2012
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

Dipole Calibration for Body Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.345 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.541 mW/g
SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.6 mW/g
Maximum value of SAR (measured) = 2.85 W/kg



0 dB = 2.85 W/kg = 9.10 dB W/kg

Impedance Measurement Plot for Body TSL