FCC SAR Test Report

APPLICANT	:	ZTE CORPORATION
EQUIPMENT	:	CDMA 1X-EVDO Digital Mobile Phone
BRAND NAME	:	ZTE
MODEL NAME	:	ZTE N860
FCC ID	:	Q78-ZTEN860C
STANDARD	:	FCC 47 CFR Part 2 (2.1093) ANSI/IEEE C95.1-1992 IEEE 1528-2003 FCC OET Bulletin 65 Supplement C (Edition 01-01)

The product was received on Apr. 19, 2012 and completely tested on May 23, 2012. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai

Jones Tsai / Manager

Testing Laboratory 1190

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA241902	Rev. 01	Initial issue of report	May 30, 2012

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **ZTE CORPORATION, DUT : CDMA 1X-EVDO Digital Mobile Phone, Brand Name : ZTE, Model Name : ZTE N860** are as follows.

<Standalone SAR>

Band	Position	SAR_{1g} (W/kg)
CDMA2000 BC0	Head	0.478
CDMA2000 BC1	Head	0.656
CDMA2000 BC14	Head	0.685
WLAN 2.4G	Head	0.11
CDMA2000 BC0	Body-worn (1 cm Gap)	0.937
CDMA2000 BC1	Body-worn (1 cm Gap)	1.2
CDMA2000 BC14	Body-worn (1 cm Gap)	1.3
WLAN 2.4G	Body-worn (1 cm Gap)	0.306
CDMA2000 BC0	Hotspot (1 cm Gap)	0.937
CDMA2000 BC1	Hotspot (1 cm Gap)	1.19
CDMA2000 BC14	Hotspot (1 cm Gap)	1.3
WLAN 2.4G	Hotspot (1 cm Gap)	0.306

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2003 and FCC OET Bulletin 65 Supplement C (Edition 01-01).

2. Administration Data

2.1 Testing Laboratory

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958

2.2 Applicant

Company Name	ZTE CORPORATION
Address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

2.3 Manufacturer

Company Name	ZTE CORPORATION
Address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

2.4 Application Details

Date of Receipt of Application	Apr. 19, 2012
Date of Start during the Test	May 14, 2012
Date of End during the Test	May 23, 2012

3. General Information

3.1 Description of Equipment Under Test (DUT)

Product Feature & Specification	
DUT	CDMA 1X-EVDO Digital Mobile Phone
Brand Name	ZTE
Model Name	ZTE N860
FCC ID	Q78-ZTEN860C
Tx Frequency	CDMA2000 BC0 : 824.70 MHz ~ 848.31 MHz CDMA2000 BC1 : 1851.25 MHz ~ 1908.75 MHz CDMA2000 BC14 : 1851.25 ~ 1913.75 MHz 802.11b/g/n : 2412 MHz ~ 2462 MHz Bluetooth : 2402 MHz ~ 2480 MHz
Rx Frequency	CDMA2000 BC0 : 869.70 MHz ~ 893.31 MHz CDMA2000 BC1 : 1931.25 MHz ~ 1988.75 MHz CDMA2000 BC14: 1931.25 ~ 1993.75 MHz 802.11b/g/n : 2412 MHz ~ 2462 MHz Bluetooth : 2402 MHz ~ 2480 MHz
Maximum Average Output Power to Antenna	CDMA2000 BC0 : 23.48 dBm CDMA2000 BC1 : 23.40 dBm CDMA2000 BC14 : 23.13 dBm 802.11b : 15.98 dBm 802.11g : 13.26 dBm 802.11n (BW 20MHz) (2.4GHz) : 13.34 dBm Bluetooth: -1.70 dBm
Antenna Type	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna
HW Version	c8hA
SW Version	GB_PMI_N860V1.0.0B01
Type of Modulation	CDMA2000 : QPSK 802.11b : DSSS (BPSK / QPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth (1Mbps) : GFSK Bluetooth EDR (2Mbps) : π/4-DQPSK Bluetooth EDR (3Mbps) : 8-DPSK
DUT Stage	Identical Prototype
Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.	

3.2 Product Photos

Please refer to Appendix D.

3.3 Applied Standard

The Specific Absorption Rate (SAR) testing specification, method and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2003
- FCC OET Bulletin 65 Supplement C (Edition 01-01)
- FCC KDB 447498 D01 v04
- FCC KDB 648474 D01 v01r05
- FCC KDB 941225 D01 v02
- FCC KDB 941225 D06 v01
- FCC KDB 248227 D01 v01r02

3.4 Device Category and SAR Limits

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.

3.5 Test Conditions

3.5.1 Ambient Condition

Ambient Temperature	20 to 24 ℃
Humidity	< 60 %

3.5.2 Test Configuration

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 DUT 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 DUT. The DUT was set from the emulator to radiate maximum output power during all tests.

For WLAN SAR testing, WLAN engineering testing software installed on the DUT can provide continuous transmitting RF signal.

4. Specific Absorption Rate (SAR)

4.1 Introduction

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 two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

4.2 SAR Definition

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). The equation description is as below:

$$\mathbf{SAR} = \frac{\mathbf{d}}{\mathbf{dt}}\left(\frac{\mathbf{dW}}{\mathbf{dm}}\right) = \frac{\mathbf{d}}{\mathbf{dt}}\left(\frac{\mathbf{dW}}{\boldsymbol{\rho}\mathbf{dv}}\right)$$

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

SAR measurement can be either related to the temperature elevation in tissue by

$$\mathbf{SAR} = \mathbf{C}\left(\frac{\boldsymbol{\delta}\mathbf{T}}{\boldsymbol{\delta}\mathbf{t}}\right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}|\mathbf{E}|^2}{\boldsymbol{\rho}}$$

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.

5. SAR Measurement System

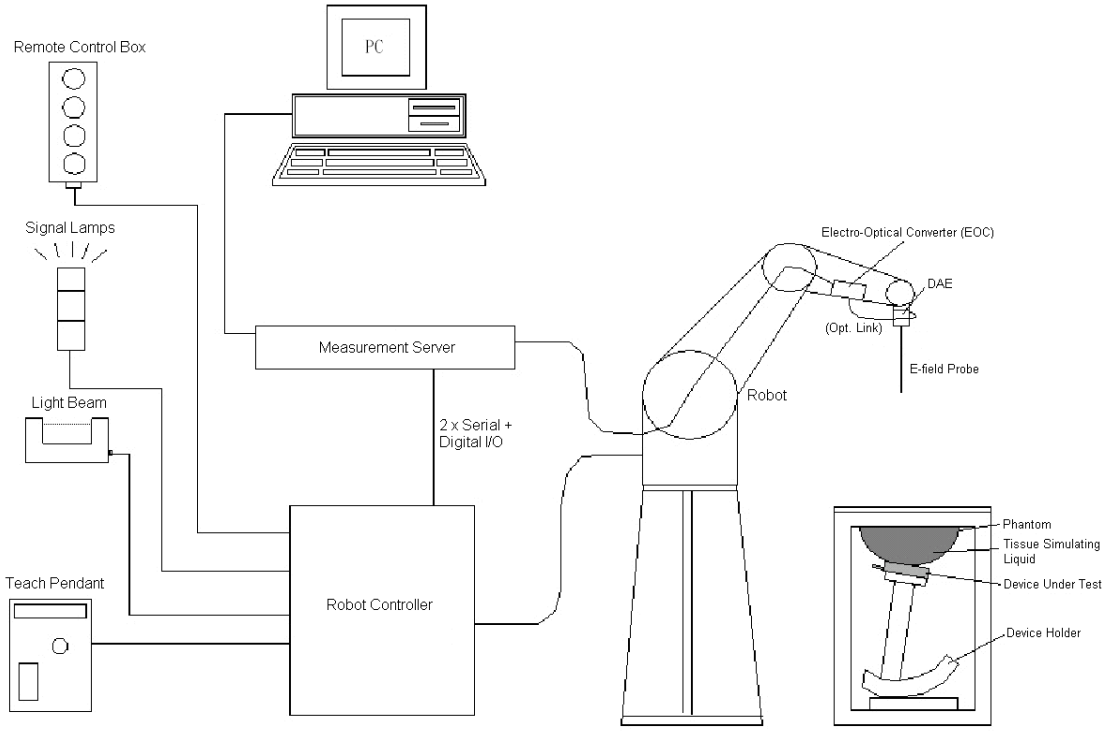


Fig 5.1 SPEAG DASY System Configurations

The DASY system for performance compliance tests is illustrated above graphically. This system consists of the following items:

- A standard high precision 6-axis robot with controller, a teach pendant and software
- A data acquisition electronic (DAE) attached to the robot arm extension
- A dosimetric probe equipped with an optical surface detector system
- The electro-optical converter (ECO) performs the conversion between optical and electrical signals
- A measurement server performs the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the accuracy of the probe positioning
- A computer operating Windows XP
- DASY software
- Remove control with teach pendant and additional circuitry for robot safety such as warming lamps, etc.
- The SAM twin phantom
- A device holder
- Tissue simulating liquid
- Dipole for evaluating the proper functioning of the system

Some of the components are described in details in the following sub-sections.

5.1 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG).The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

5.1.1 E-Field Probe Specification

<EX3DV4 Probe>

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 µW/g to 100 mW/g; Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm

Fig 5.2 Photo of EX3DV4/ES3DV4

5.1.2 E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than ± 10%. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (NormX, NormY, and NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested. The calibration data can be referred to appendix C of this report.

5.2 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Fig 5.3 Photo of DAE

5.3 Robot

The SPEAG DASY system uses the high precision robots (DASY5: TX90XL) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ±0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

Fig 5.4 Photo of DASY5

5.4 Measurement Server

The measurement server is based on a PC/104 CPU board with CPU (DASY5: 400 MHz, Intel Celeron), chipdisk (DASY5: 128 MB), RAM (DASY5: 128 MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all the real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operations.

Fig 5.5 Photo of Server for DASY5

5.5 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom

Fig 5.6 Photo of SAM Phantom

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI4 Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%)
Filling Volume	Approx. 30 liters
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm

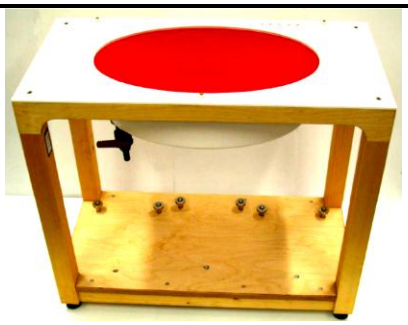


Fig 5.7 Photo of ELI4 Phantom

The ELI4 phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

5.6 Device Holder

<Device Holder for SAM Twin Phantom>

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

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

The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity ε = 3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

Fig 5.8 Device Holder

5.7 Data Storage and Evaluation

5.7.1 Data Storage

The DASY software stores the assessed data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all the necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The post-processing software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of erroneous parameter settings. For example, if a measurement has been performed with an incorrect crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be reevaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type (e.g., [V/m], [A/m], [mW/g]). Some of these units are not available in certain situations or give meaningless results, e.g., a SAR-output in a non-lose media, will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

5.7.2 Data Evaluation

The DASY post-processing software (SEMCAD) automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software：

Probe parameters：	- Sensitivity	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion factor	$ConvF_i$
	- Diode compression point	dcp_i
Device parameters：	- Frequency	f
	- Crest factor	cf
Media parameters：	- Conductivity	σ
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multi-meter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as：

$$\mathbf{V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}}$$

with V_i = compensated signal of channel i, (i = x, y, z)
U_i = input signal of channel i, (i = x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcp_i = diode compression point (DASY parameter)

From the compensated input signals, the primary field data for each channel can be evaluated：

E-field Probes：$$\mathbf{E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}}$$

H-field Probes：$$\mathbf{H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}}$$

with V_i = compensated signal of channel i, (i = x, y, z)
$Norm_i$ = sensor sensitivity of channel i, (i = x, y, z), μV/(V/m)^2 for E-field Probes
ConvF = sensitivity enhancement in solution
a_{ij} = sensor sensitivity factors for H-field probes
f = carrier frequency [GHz]
E_i = electric field strength of channel i in V/m
H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude)：

$$\mathbf{E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}}$$

The primary field data are used to calculate the derived field units.

$$\mathbf{SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1000}}$$

with SAR = local specific absorption rate in mW/g
E_{tot} = total field strength in V/m
σ = conductivity in [mho/m] or [Siemens/m]
ρ = equivalent tissue density in g/cm^3

Note that the density is set to 1, to account for actual head tissue density rather than the density of the tissue simulating liquid.

5.8 Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	Dosimetric E-Field Probe	EX3DV4	3697	Sep. 02, 2011	Sep. 01, 2012
SPEAG	Data Acquisition Electronics	DAE4	1210	Nov. 18, 2011	Nov. 17, 2012
SPEAG	835MHz System Validation Kit	D835V2	4d091	Nov. 18, 2011	Nov. 17, 2012
SPEAG	1900MHz System Validation Kit	D1900V2	5d118	Nov. 21, 2011	Nov. 20, 2012
SPEAG	2450MHz System Validation Kit	D2450V2	736	Jul. 25, 2011	Jul. 24, 2012
SPEAG	SAM Twin Phantom	QD 000 P40 CB	TP-1477	NCR	NCR
SPEAG	SAM Twin Phantom	QD 000 P40 CB	TP-1479	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Anritsu	Radio communication analyzer	MT8820C	6201074235	Nov. 30, 2011	Nov. 29, 2012
Agilent	Wireless Communication Test Set	E5515C	GB47050646	Aug. 18, 2011	Aug. 17, 2012
Agilent	Wireless Communication Test Set	E5515C	MY48367160	Oct. 26, 2011	Oct. 25, 2012
Agilent	ENA Series Network Analyzer	E5071C	MY46111157	Apr. 13, 2012	Apr. 14, 2013
R&S	Signal Generator	SMR40	100455	Dec. 30, 2011	Dec. 29, 2012
Agilent	Power Meter	E4416A	MY45101555	Aug. 23, 2011	Aug. 22, 2012
Agilent	Power Sensor	E9327A	MY44421198	Aug. 23, 2011	Aug. 22, 2012
ARRA	Power Divider	A3200-2	N/A	NCR	NCR
MCL	Attenuation	BW-S10W5	N/A	NCR	NCR
R&S	Spectrum Analyzer	FSP30	101399	Jun. 02, 2011	Jun. 01, 2012

Table 5.1 Test Equipment List

Note: The calibration certificate of DASY can be referred to appendix C of this report.

6. Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 6.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 6.2.

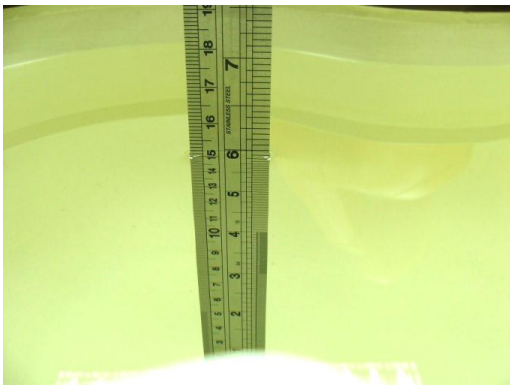


Fig 6.1 Photo of Liquid Height for Head SAR

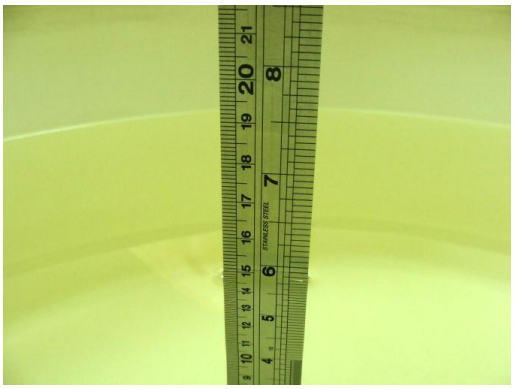


Fig 6.2 Photo of Liquid Height for Body SAR

The following table gives the recipes for tissue simulating liquid.

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (ε_r)
For Head								
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.40	40.0
2450	55.0	0	0	0	0	45.0	1.80	39.2
For Body								
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0	0	31.4	1.95	52.7

Table 6.1 Recipes of Tissue Simulating Liquid

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an Agilent 85070D Dielectric Probe Kit and an Agilent Network Analyzer.

The following table shows the measuring results for simulating liquid.

Freq.	Liquid Type	Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
835	Head	21.4	0.913	40.859	0.9	41.5	1.44	-1.54	±5	May 14, 2012
1900	Head	21.3	1.415	40.527	1.4	40	1.07	1.32	±5	May 14, 2012
2450	Head	21.5	1.857	37.67	1.8	39.2	3.17	-3.90	±5	May 23, 2012
835	Body	21.4	0.974	54.252	0.97	55.2	0.41	-1.72	±5	May 14, 2012
1900	Body	21.2	1.547	53.803	1.52	53.3	1.78	0.94	±5	May 14, 2012
2450	Body	21.6	1.939	53.98	1.95	52.7	-0.56	2.43	±5	May 23, 2012

Table 6.2 Measuring Results for Simulating Liquid

7. Uncertainty Assessment

The component of uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type An evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in Table 7.1

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor[a]	1/k[b]	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Table 7.1 Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is showed in Table 7.2.

Error Description	Uncertainty Value (±%)	Probability Distribution	Divisor	Ci (1g)	Standard Uncertainty (1g)
Measurement System					
Probe Calibration	6.0	Normal	1	1	± 6.0 %
Axial Isotropy	4.7	Rectangular	√3	0.7	± 1.9 %
Hemispherical Isotropy	9.6	Rectangular	√3	0.7	± 3.9 %
Boundary Effects	1.0	Rectangular	√3	1	± 0.6 %
Linearity	4.7	Rectangular	√3	1	± 2.7 %
System Detection Limits	1.0	Rectangular	√3	1	± 0.6 %
Readout Electronics	0.3	Normal	1	1	± 0.3 %
Response Time	0.8	Rectangular	√3	1	± 0.5 %
Integration Time	2.6	Rectangular	√3	1	± 1.5 %
RF Ambient Noise	3.0	Rectangular	√3	1	± 1.7 %
RF Ambient Reflections	3.0	Rectangular	√3	1	± 1.7 %
Probe Positioner	0.4	Rectangular	√3	1	± 0.2 %
Probe Positioning	2.9	Rectangular	√3	1	± 1.7 %
Max. SAR Eval.	1.0	Rectangular	√3	1	± 0.6 %
Test Sample Related					
Device Positioning	2.9	Normal	1	1	± 2.9 %
Device Holder	3.6	Normal	1	1	± 3.6 %
Power Drift	5.0	Rectangular	√3	1	± 2.9 %
Phantom and Setup					
Phantom Uncertainty	4.0	Rectangular	√3	1	± 2.3 %
Liquid Conductivity (Target)	5.0	Rectangular	√3	0.64	± 1.8 %
Liquid Conductivity (Meas.)	2.5	Normal	1	0.64	± 1.6 %
Liquid Permittivity (Target)	5.0	Rectangular	√3	0.6	± 1.7 %
Liquid Permittivity (Meas.)	2.5	Normal	1	0.6	± 1.5 %
Combined Standard Uncertainty					± 11.0 %
Coverage Factor for 95 %					K = 2
Expanded Uncertainty					**± 22.0 %**

Table 7.2 Uncertainty Budget of DASY for frequency range 300 MHz to 3 GHz

8. SAR Measurement Evaluation

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. System validation kit includes a dipole, tripod holder to fix it underneath the flat phantom and a corresponding distance holder.

8.1 Purpose of System Performance check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

8.2 System Setup

In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:

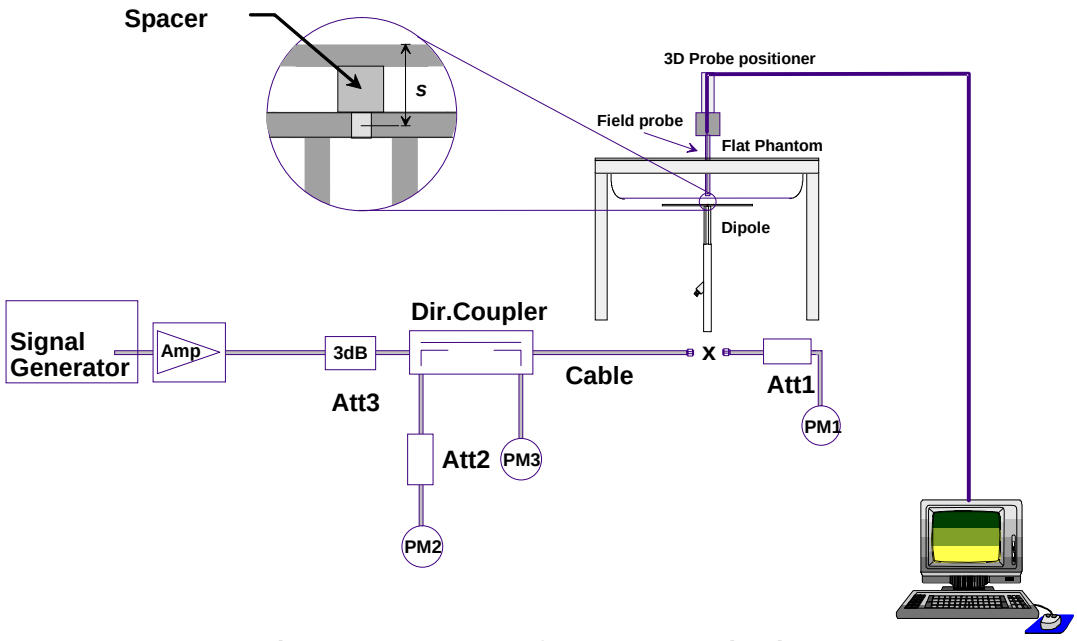


Fig 8.1 System Setup for System Evaluation

1. Signal Generator
2. Amplifier
3. Directional Coupler
4. Power Meter
5. Calibrated Dipole

The output power on dipole port must be calibrated to 24 dBm (250 mW) before dipole is connected.

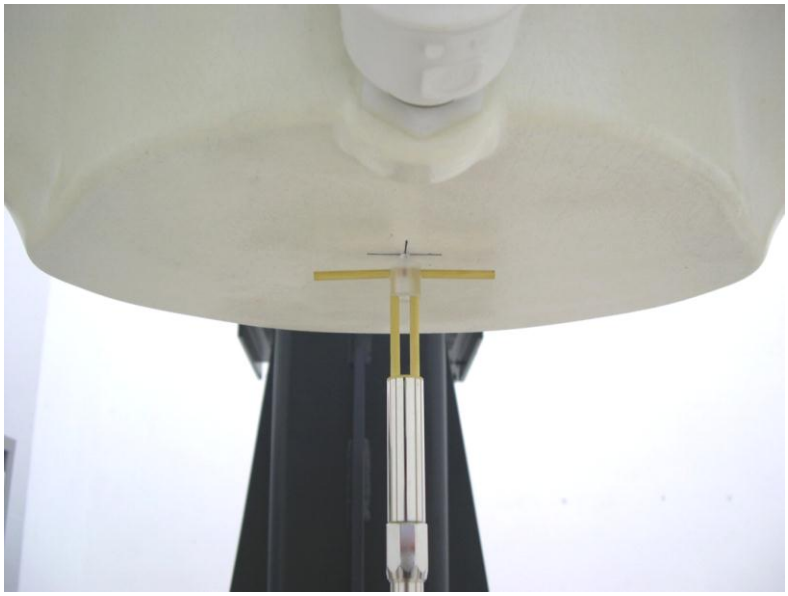


Fig 8.2 Photo of Dipole Setup

8.3 Validation Results

Comparing to the original SAR value provided by SPEAG, the validation data should be within its specification of 10 %. Table 8.1 shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Measurement Date	Frequency (MHz)	Liquid Type	Targeted SAR_{1g} (W/kg)	Measured SAR_{1g} (W/kg)	Normalized SAR_{1g} (W/kg)	Deviation (%)
May 14, 2012	835	Head	9.4	2.35	9.40	0.00
May 14, 2012	1900	Head	40.3	9.3	37.20	-7.69
May 23, 2012	2450	Head	54.8	14.4	57.60	5.11
May 14, 2012	835	Body	9.42	2.45	9.80	4.03
May 14, 2012	1900	Body	41.8	10.4	41.60	-0.48
May 23, 2012	2450	Body	52.3	13.2	52.80	0.96

Table 8.1 Target and Measurement SAR after Normalized

9. DUT Testing Position

This DUT was tested in ten different positions. They are right cheek, right tilted, left cheek, left tilted, Front of the DUT with phantom 1 cm gap, Back of the DUT with phantom 1 cm gap, Top Side of the DUT with phantom 1 cm gap, Bottom Side of the DUT with phantom 1 cm gap, Right Side of the DUT with phantom 1 cm gap, and Left Side of the DUT with phantom 1 cm gap, as illustrated below:

9.1 Define two imaginary lines on the handset

(a) The vertical centerline passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.

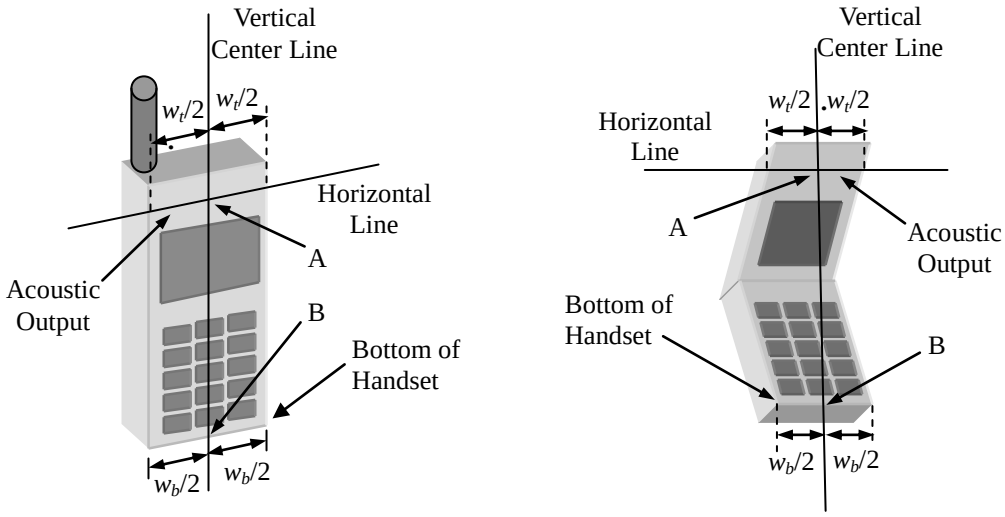


Fig 9.1 Illustration for Handset Vertical and Horizontal Reference Lines

9.2 Cheek Position

(a) To 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: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(b) To move the device 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 (see Fig. 9.2).

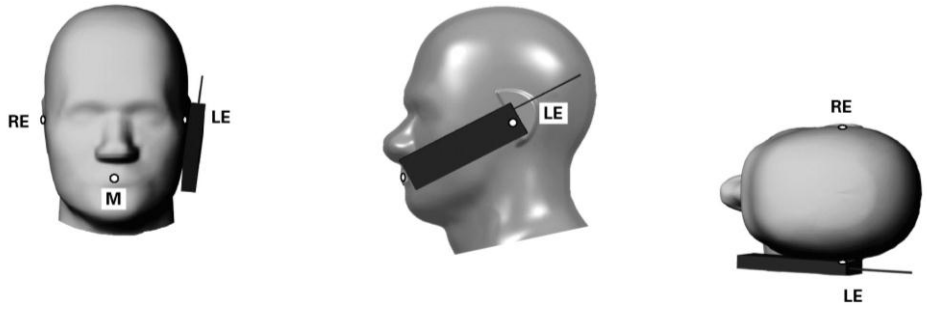


Fig 9.2 Illustration for Cheek Position

9.3 Tilted Position

(a) To position the device in the “cheek” position described above.

(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see Fig. 9.3).

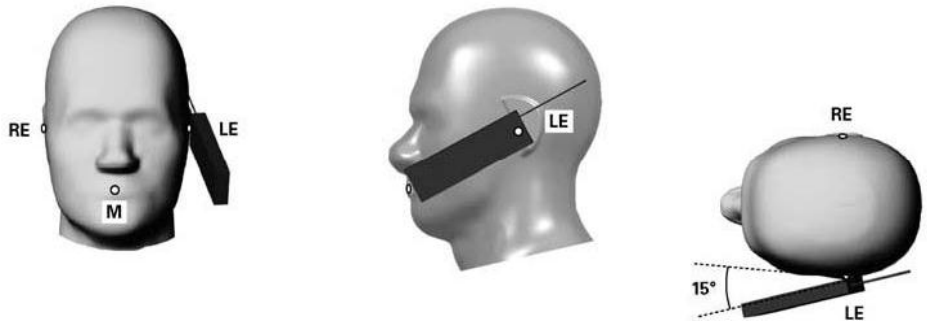


Fig 9.3 Illustration for Tilted Position

9.4 Body Worn Position

(a) To position the device parallel to the phantom surface with either keypad up or down.

(b) To adjust the device parallel to the flat phantom.

(c) To adjust the distance between the device surface and the flat phantom to 1 cm.

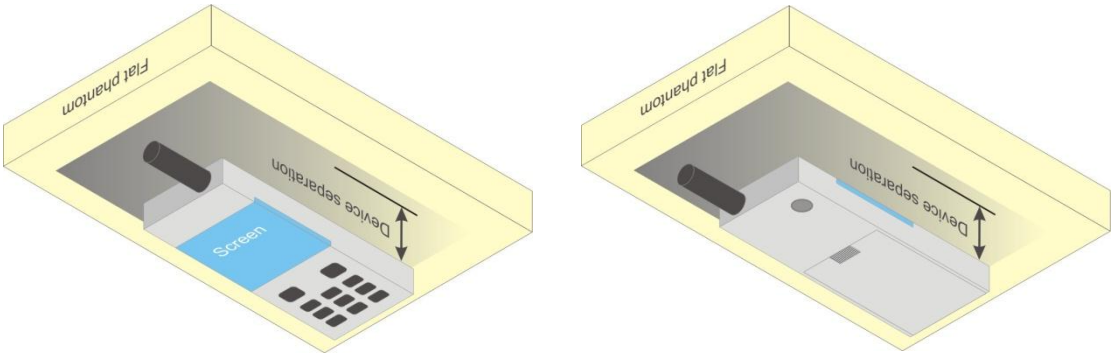


Fig 9.4 Illustration for Body Worn Position

<DUT Setup Photos>

Please refer to Appendix E for the test setup photos.

10. Measurement Procedures

The measurement procedures are as follows:

(a) Use base station simulator (if applicable) or engineering software to transmit RF power continuously (continuous Tx) in the highest power channel.
(b) Keep DUT to radiate maximum output power or 100% duty factor (if applicable)
(c) Measure output power through RF cable and power meter.
(d) Place the DUT in the positions as Appendix E demonstrates.
(e) Set scan area, grid size and other setting on the DASY software.
(f) Measure SAR results for the highest power channel on each testing position.
(g) Find out the largest SAR result on these testing positions of each band
(h) Measure SAR results for other channels in worst SAR testing position if the SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

(a) Power reference measurement
(b) Area scan
(c) Zoom scan
(d) Power drift measurement

10.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

(a) Extraction of the measured data (grid and values) from the Zoom Scan
(b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
(c) Generation of a high-resolution mesh within the measured volume
(d) Interpolation of all measured values form the measurement grid to the high-resolution grid
(e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
(f) Calculation of the averaged SAR within masses of 1g and 10g

10.2 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan measures 5x5x7 points with step size 8, 8 and 5 mm for 300 MHz to 3 GHz, and 8x8x8 points with step size 4, 4 and 2.5 mm for 3 GHz to 6 GHz. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

10.3 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the DUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing (step-size is 4, 4 and 2.5 mm). When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

10.4 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

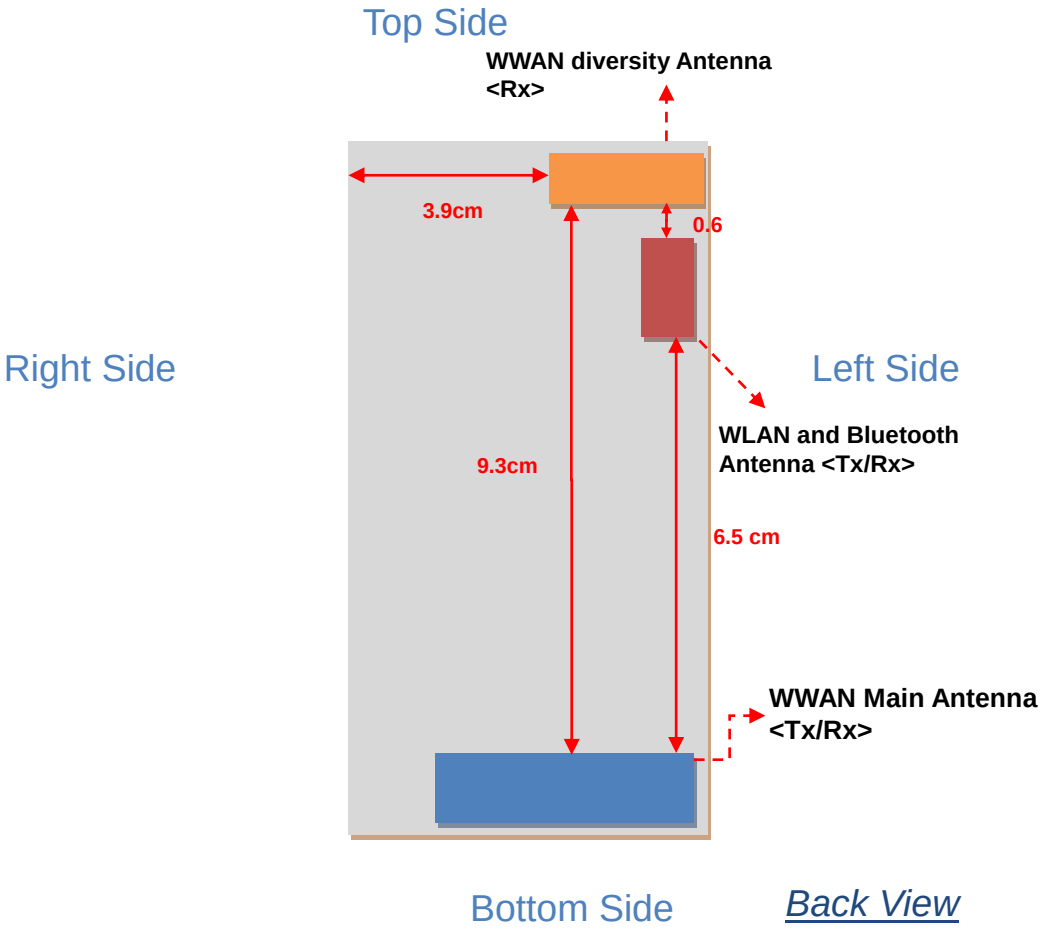
Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

10.5 Power Drift Monitoring

All SAR testing is under the DUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of DUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

11. SAR Test Configurations

11.1 Exposure Positions Consideration



Antenna	Length	Width
WWAN Main Antenna (Tx / Rx)	4.5cm	1.9 cm
WWAN Diversity ANT (Rx Only)	2.7 cm	1.4 cm
BT&WLAN Antenna (Tx / Rx)	2.2 cm	0.7 cm

Sides 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
BT&WLAN	YES	YES	YES	NO	NO	YES

Note:

1. Head/Body-worn/Hotspot mode SAR assessments are required.
2. Referring to KDB 941225 D06, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.
3. For WWAN Main antenna, SAR measurements at Top side are not required since the distance between DUT and flat phantom > 25mm.
4. For BT&WLAN antenna, SAR measurements Bottom side and Right side are not required since the distance between DUT and flat phantom > 25mm.
5. Per KDB 648474 D01, Bluetooth (-1.70 dBm) output power ≤ P_{Ref} (10.8dBm) and the distance to other transmitting antennas ≥ 5cm, therefore, stand-alone SAR is not required

11.2 Simultaneous Transmitting Configurations

	Applicable Combination
Simultaneous Transmission	WWAN+WLAN
	WWAN+BT

Note:

1. WLAN and BT share the same antenna, and cannot transmit simultaneously.
2. Per KDB 648474 D01, Bluetooth (-1.70 dBm) output power ≤ P_{Ref} (10.8dBm) and the distance to other transmitting antennas ≥ 5cm, therefore, stand-alone SAR is not required; the simultaneous transmission SAR for WWAN and Bluetooth were not required, because Bluetooth standalone SAR is not required and the maximum WWAN SAR (1.3 W/kg), so the SAR summation is less than 1.6 W/kg.
3. According to KDB 648474, the simultaneous transmission SAR for WWAN and WLAN was evaluated, because the SAR summation is more than 1.6 W/kg.

12. SAR Test Results

12.1 Conducted Power (Unit: dBm)

<CDMA2000>

Band	CDMA2000 BC0			CDMA2000 BC1			CDMA2000 BC14
Channel	1013	384	777	25	600	1175	1275
Frequency (MHz)	824.70	836.52	848.31	1851.25	1880.00	1908.75	1913.75
1xRTT RC1+SO55	23.47	22.98	22.84	23.39	23.16	23.04	23.00
1xRTT RC3+SO55	23.47	22.98	22.88	23.38	23.14	23.03	23.06
1xRTT RC3+SO32(+ F-SCH)	**23.48**	22.97	22.88	**23.40**	23.13	23.03	**23.13**
1xRTT RC3+SO32(+SCH)	23.47	22.97	22.86	23.35	23.13	23.04	23.06
1xEVDO RTAP 153.6	23.47	23.04	22.92	23.39	23.14	23.03	23.11
1xEVDO RETAP 4096	23.44	22.94	22.80	23.39	23.14	23.09	23.06

Note:

1. According to KDB 941225 D01, Head SAR for RC1+SO55 is not required because the maximum average output power of RC1 is less than 1/4 dB higher than RC3+SO55.
2. Referring to KDB 941225 D01, the CDMA Handset Body-worn SAR tests based on RC3+SO32. RC1, RTAP (REV 0), and RETAP (Rev A) power are all less than 1/4 dB higher than RC3, thus SAR tests in these mode are not necessary.
3. Referring to KDB 941225 D01, in Hotspot mode DUT is treated as data device and SAR is tested with RTAP 153.6kbps (Ev-Do). If RC3+SO32 power is less than 1/4dB higher than Ev-Do, SAR tests with RC3+SO32 setting are not necessary.
4. Due to CDMA BC1 (uplink: 1850~1910MHz) and BC14 (uplink: 1850~1915MHz) have overlapped spectrum allocation, additionally evaluated BC14 channel 1275 for the frequency range that is not overlapped (uplink: 1910~1915MHz).

<WLAN>

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			Data Rate (bps)			
			1M	2M	5.5M	11M
802.11b	CH 01	2412 MHz	13.01	12.87	13.21	13.12
	CH 06	2437 MHz	15.39	15.41	15.75	15.61
	CH 11	2462 MHz	**15.98**	15.61	15.85	15.81

Mode	Channel	Frequency (MHz)	Average power (dBm)							
			Data Rate (bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11g	CH 01	2412 MHz	11.04	10.96	11.03	11.01	10.99	10.96	10.91	10.88
	CH 06	2437 MHz	**13.26**	13.23	13.22	13.16	13.21	13.18	13.06	13.03
	CH 11	2462 MHz	13.01	12.98	12.96	12.89	12.91	12.92	12.88	12.88

Mode	Channel	Frequency (MHz)	Average power (dBm)							
			Data Rate (bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n 20M	CH 01	2412 MHz	11.09	11.08	11.12	11.25	11.24	11.23	11.13	11.24
	CH 06	2437 MHz	**13.34**	13.14	13.19	13.25	13.33	13.31	13.29	13.32
	CH 11	2462 MHz	13.08	13.09	13.14	13.20	13.20	13.17	13.23	13.23

Note:

1. Per KDB 248227, choose the highest output power channel to test SAR and determine further SAR exclusion
2. Per KDB 248227, 11g and 11n output power is less than 1/4 dB higher than 11b mode, thus the SAR can be excluded.

<Bluetooth>

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Data Rate								
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5
Bluetooth	CH 00	2402 MHz	-2.22	-2.23	-1.91	-3.86	-3.93	-3.95	-4.80	-4.85	-4.90
	CH 39	2441 MHz	-1.98	-1.72	**-1.70**	-3.36	-3.40	-3.39	-4.28	-4.33	-4.35
	CH 78	2480 MHz	-2.64	-2.32	-2.30	-3.97	-4.02	-4.04	-4.89	-4.94	-4.98

12.2 Test Records for Head SAR Test

<CDMA2000>

Plot No.	Band	Mode	Test Position	Ch.	Freq. (MHz)	Output Power (dBm)	SAR_{1g} (W/kg)
1	**CDMA2000 BC0**	**RC3+SO55**	**Right Cheek**	**1013**	**824.7**	**23.47**	**0.478**
2	CDMA2000 BC0	RC3+SO55	Right Tilted	1013	824.7	23.47	0.311
3	CDMA2000 BC0	RC3+SO55	Left Cheek	1013	824.7	23.47	0.45
4	CDMA2000 BC0	RC3+SO55	Left Tilted	1013	824.7	23.47	0.309
5	**CDMA2000 BC1**	**RC3+SO55**	**Right Cheek**	**25**	**1851.25**	**23.38**	**0.656**
6	CDMA2000 BC1	RC3+SO55	Right Tilted	25	1851.25	23.38	0.27
7	CDMA2000 BC1	RC3+SO55	Left Cheek	25	1851.25	23.38	0.591
8	CDMA2000 BC1	RC3+SO55	Left Tilted	25	1851.25	23.38	0.297
9	**CDMA2000 BC14**	**RC3+SO55**	**Right Cheek**	**1275**	**1913.75**	**23.06**	**0.685**
47	CDMA2000 BC14	RC3+SO55	Right Tilted	1275	1913.75	23.06	0.222
48	CDMA2000 BC14	RC3+SO55	Left Cheek	1275	1913.75	23.06	0.592
49	CDMA2000 BC14	RC3+SO55	Left Tilted	1275	1913.75	23.06	0.229

Note:
Per KDB 447498, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

<WLAN>

Plot No.	Band	Mode	Test Position	Ch.	Freq. (MHz)	Data Rate	Output Power (dBm)	SAR_{1g} (W/kg)
10	**WLAN 2.4G**	**802.11b**	**Right Cheek**	**11**	**2462**	**1M**	**15.98**	**0.11**
11	WLAN 2.4G	802.11b	Right Tilted	11	2462	1M	15.98	0.071
12	WLAN 2.4G	802.11b	Left Cheek	11	2462	1M	15.98	0.068
13	WLAN 2.4G	802.11b	Left Tilted	11	2462	1M	15.98	0.07

Note:
Per KDB 648474, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

12.3 Test Records for Hotspot SAR Test

<CDMA2000>

Plot No.	Band	Mode	Test Position	Gap (cm)	Ch.	Freq. (MHz)	Output Power (dBm)	SAR_{1g} (W/kg)
14	CDMA2000 BC0	RTAP 153.6	Front	1	1013	824.7	23.47	0.624
15	**CDMA2000 BC0**	**RTAP 153.6**	**Back**	**1**	**1013**	**824.7**	**23.47**	**0.937**
16	CDMA2000 BC0	RTAP 153.6	Left Side	1	1013	824.7	23.47	0.666
17	CDMA2000 BC0	RTAP 153.6	Right Side	1	1013	824.7	23.47	0.73
18	CDMA2000 BC0	RTAP 153.6	Bottom Side	1	1013	824.7	23.47	0.054
19	CDMA2000 BC0	RTAP 153.6	Back	1	384	836.52	23.04	0.936
20	CDMA2000 BC0	RTAP 153.6	Back	1	777	848.31	22.92	0.869
22	CDMA2000 BC1	RTAP 153.6	Front	1	25	1851.25	23.39	0.868
23	CDMA2000 BC1	RTAP 153.6	Back	1	25	1851.25	23.39	1.01
24	CDMA2000 BC1	RTAP 153.6	Left Side	1	25	1851.25	23.39	0.333
25	CDMA2000 BC1	RTAP 153.6	Right Side	1	25	1851.25	23.39	0.285
26	CDMA2000 BC1	RTAP 153.6	Bottom Side	1	25	1851.25	23.39	0.867
27	CDMA2000 BC1	RTAP 153.6	Front	1	600	1880	23.14	0.872
28	CDMA2000 BC1	RTAP 153.6	Front	1	1175	1908.75	23.03	0.877
29	CDMA2000 BC1	RTAP 153.6	Back	1	600	1880	23.14	1.06
30	**CDMA2000 BC1**	**RTAP 153.6**	**Back**	**1**	**1175**	**1908.75**	**23.03**	**1.19**
31	CDMA2000 BC1	RTAP 153.6	Bottom Side	1	600	1880	23.14	0.875
32	CDMA2000 BC1	RTAP 153.6	Bottom Side	1	1175	1908.75	23.03	0.957
42	CDMA2000 BC14	RTAP 153.6	Front	1	1275	1913.75	23.11	0.854
43	**CDMA2000 BC14**	**RTAP 153.6**	**Back**	**1**	**1275**	**1913.75**	**23.11**	**1.3**
44	CDMA2000 BC14	RTAP 153.6	Left Side	1	1275	1913.75	23.11	0.406
45	CDMA2000 BC14	RTAP 153.6	Right Side	1	1275	1913.75	23.11	0.311
46	CDMA2000 BC14	RTAP 153.6	Bottom Side	1	1275	1913.75	23.11	0.991

Note:
1. Per KDB 941225 D06, for DUT dimension ≥ 9cm*5cm, the test distance is 1cm. SAR must be measured for all surfaces and sides with a transmitting antenna located within 2.5cm from that surface or edge.
2. As in (1), SAR for Front / Back / Bottom Side / Right Side / Left Side is necessary.
3. Per KDB 447498, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

<WLAN>

Plot No.	Band	Mode	Test Position	Gap (cm)	Ch.	Freq. (MHz)	Data Rate	Output Power (dBm)	SAR_{1g} (W/kg)
37	WLAN 2.4G	802.11b	Front	1	11	2462	1M	15.98	0.044
38	**WLAN 2.4G**	**802.11b**	**Back**	**1**	**11**	**2462**	**1M**	**15.98**	**0.306**
39	WLAN 2.4G	802.11b	Left Side	1	11	2462	1M	15.98	0.183
40	WLAN 2.4G	802.11b	Top Side	1	11	2462	1M	15.98	0.045

Note:
1. Per KDB 941225 D06, for DUT dimension ≥ 9cm*5cm, the test distance is 1cm. SAR must be measured for all surfaces and sides with a transmitting antenna located within 2.5cm from that surface or edge.
2. As in (1), SAR for Front / Back / Top Side / Left Side is necessary.
3. Per KDB 648474, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.

12.4 Test Records for Body-worn SAR Test

<CDMA2000>

Plot No.	Band	Mode	Test Position	Gap (cm)	Ch.	Freq. (MHz)	Ear-phone	Output Power (dBm)	SAR_{1g} (W/kg)
14	CDMA2000 BC0	RTAP 153.6	Front	1	1013	824.7	-	23.47	0.624
15	**CDMA2000 BC0**	**RTAP 153.6**	**Back**	**1**	**1013**	**824.7**	**-**	**23.47**	**0.937**
19	CDMA2000 BC0	RTAP 153.6	Back	1	384	836.52	-	23.04	0.936
20	CDMA2000 BC0	RTAP 153.6	Back	1	777	848.31	-	22.92	0.869
21	CDMA2000 BC0	RC3+SO32	Back	1	1013	824.7	v	23.48	0.624
22	CDMA2000 BC1	RTAP 153.6	Front	1	25	1851.25	-	23.39	0.868
23	CDMA2000 BC1	RTAP 153.6	Back	1	25	1851.25	-	23.39	1.01
27	CDMA2000 BC1	RTAP 153.6	Front	1	600	1880	-	23.14	0.872
28	CDMA2000 BC1	RTAP 153.6	Front	1	1175	1908.75	-	23.03	0.877
29	CDMA2000 BC1	RTAP 153.6	Back	1	600	1880	-	23.14	1.06
30	CDMA2000 BC1	RTAP 153.6	Back	1	1175	1908.75	-	23.03	1.19
33	**CDMA2000 BC1**	**RC3+SO32**	**Back**	**1**	**1175**	**1908.75**	**v**	23.03	**1.2**
34	CDMA2000 BC1	RC3+SO32	Back	1	25	1851.25	v	23.4	0.997
35	CDMA2000 BC1	RC3+SO32	Back	1	600	1880	v	23.13	1.02
42	CDMA2000 BC14	RTAP 153.6	Front	1	1275	1913.75	-	23.11	0.854
43	**CDMA2000 BC14**	**RTAP 153.6**	**Back**	**1**	**1275**	**1913.75**	**-**	**23.11**	**1.3**
36	CDMA2000 BC14	RC3+SO32	Back	1	1275	1913.75	v	23.13	1.25

Note:
1. Per KDB 447498, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.
2. "V" in the earphone column means the earphone is plugged during SAR testing.

<WLAN>

Plot No.	Band	Mode	Test Position	Gap (cm)	Ch.	Freq. (MHz)	Ear-phone	Data Rate	Output Power (dBm)	SAR_{1g} (W/kg)
37	WLAN 2.4G	802.11b	Front	1	11	2462	-	1M	15.98	0.044
38	**WLAN 2.4G**	**802.11b**	**Back**	**1**	**11**	**2462**	**-**	**1M**	15.98	**0.306**
41	WLAN 2.4G	802.11b	Back	1	11	2462	v	1M	15.98	0.293

Note:
1. Per KDB 648474, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.
2. "V" in the earphone column means the earphone is plugged during SAR testing.

12.5 Simultaneous Multi-band Transmission

<Maximum SAR list for each band and position (Head SAR)>

Position	WWAN						WLAN 2.4G	Max. SAR Summation	Scaled WWAN + WLAN
	WWAN Band	Max. WWAN SAR (W/kg)	Output Power (dBm)	Max. Tolerance Power (dBm)	Scaling Factor	Scaled WWAN (W/kg)	Max. WLAN SAR (W/kg)		
Right Cheek	CDMA BC0	0.478	23.47	23.6	1.030	0.493	0.11	**0.59**	0.60
	CDMA BC1	0.656	23.38	23.5	1.028	0.674	0.11	**0.77**	0.78
	CDMA BC14	0.685	23.06	23.5	1.107	0.758	0.11	**0.80**	0.87
Right Tilted	CDMA BC0	0.311	23.47	23.6	1.030	0.320	0.071	**0.38**	0.39
	CDMA BC1	0.27	23.38	23.5	1.028	0.278	0.071	**0.34**	0.35
	CDMA BC14	0.222	23.06	23.5	1.107	0.246	0.071	**0.29**	0.32
Left Cheek	CDMA BC0	0.45	23.47	23.6	1.030	0.464	0.068	**0.52**	0.53
	CDMA BC1	0.591	23.38	23.5	1.028	0.608	0.068	**0.66**	0.68
	CDMA BC14	0.592	23.06	23.5	1.107	0.655	0.068	**0.66**	0.72
Left Tilted	CDMA BC0	0.309	23.47	23.6	1.030	0.318	0.07	**0.38**	0.39
	CDMA BC1	0.297	23.38	23.5	1.028	0.305	0.07	**0.37**	0.38
	CDMA BC14	0.229	23.06	23.5	1.107	0.253	0.07	**0.30**	0.32

<Maximum SAR list for each band and position (Hotspot SAR)>

Position	WWAN						WLAN 2.4G	Max. SAR Summation	Scaled WWAN + WLAN
	WWAN Band	Max. WWAN SAR (W/kg)	Output Power (dBm)	Max. Tolerance Power (dBm)	Scaling Factor	Scaled WWAN (W/kg)	Max. WLAN SAR (W/kg)		
Front	CDMA BC0	0.624	23.47	23.6	1.030	0.643	0.044	**0.67**	0.69
	CDMA BC1	0.877	23.03	23.5	1.114	0.977	0.044	**0.92**	1.02
	CDMA BC14	0.854	23.11	23.5	1.094	0.934	0.044	**0.90**	0.98
Back	CDMA BC0	0.937	23.47	23.6	1.030	0.965	0.306	**1.24**	1.27
	CDMA BC1	1.19	23.03	23.5	1.114	1.326	0.306	**1.50**	**1.63**
	CDMA BC14	1.3	23.11	23.5	1.094	1.422	0.306	**1.61**	**1.73**
Left Side	CDMA BC0	0.666	23.47	23.6	1.030	0.686	0.183	**0.85**	0.87
	CDMA BC1	0.333	23.39	23.5	1.026	0.342	0.183	**0.52**	0.53
	CDMA BC14	0.406	23.11	23.5	1.094	0.444	0.183	**0.59**	0.63
Right Side	CDMA BC0	0.73	23.47	23.6	1.030	0.752	0	**0.73**	0.75
	CDMA BC1	0.285	23.39	23.5	1.026	0.292	0	**0.29**	0.29
	CDMA BC14	0.311	23.11	23.5	1.094	0.340	0	**0.31**	0.34
Top Side	CDMA BC0	0	-	-	-	0	0.045	**0.05**	0.05
	CDMA BC1	0	-	-	-	0	0.045	**0.05**	0.05
	CDMA BC14	0	-	-	-	0	0.045	**0.05**	0.05
Bottom Side	CDMA BC0	0.054	23.47	23.6	1.030	0.056	0	**0.05**	0.06
	CDMA BC1	0.867	23.39	23.5	1.026	0.889	0	**0.87**	0.89
	CDMA BC14	0.991	23.11	23.5	1.094	1.084	0	**0.99**	1.08

<Maximum SAR list for each band and position (Body-worn SAR)>

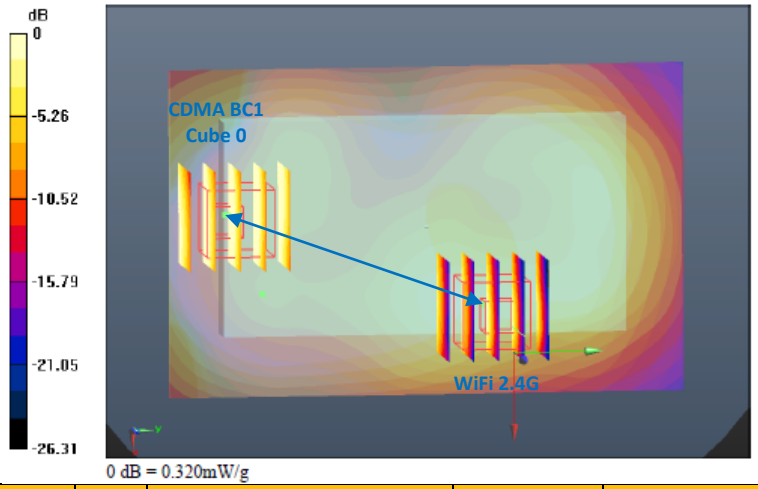
Position	WWAN						WLAN 2.4G	Max. SAR Summation	Scaled WWAN + WLAN
	WWAN Band	Max. WWAN SAR (W/kg)	Output Power (dBm)	Max. Tolerance Power (dBm)	Scaling Factor	Scaled WWAN (W/kg)	Max. WLAN SAR (W/kg)		
Front	CDMA BC0	0.624	23.47	23.6	1.030	0.643	0.044	**0.67**	0.69
	CDMA BC1	0.877	23.03	23.5	1.114	0.977	0.044	**0.92**	1.02
	CDMA BC14	0.854	23.11	23.5	1.094	0.934	0.044	**0.90**	0.98
Back	CDMA BC0	0.937	23.47	23.6	1.030	0.965	0.306	**1.24**	1.27
	CDMA BC1	1.19	23.03	23.5	1.114	1.326	0.306	**1.50**	**1.63**
	CDMA BC14	1.3	23.11	23.5	1.094	1.422	0.306	**1.61**	**1.73**
Back (w/ earphone)	CDMA BC0	0.624	23.48	23.6	1.028	0.641	0.293	**0.92**	0.93
	CDMA BC1	1.2	23.03	23.5	1.114	1.337	0.293	**1.49**	**1.63**
	CDMA BC14	1.25	23.13	23.5	1.089	1.361	0.293	**1.54**	**1.65**

Note:

1 The maximum SAR summation is calculated based on the same configuration and test position.
2 When stand-alone 1-g SAR is not required for a transmitter or antenna, its SAR is considered zero in the 1-g SAR summing process to determine simultaneous transmission SAR evaluation requirements.
3 For 1g-SAR scalar summation < 1.6W/kg, simultaneous SAR measurement is not necessary.
4 If 1g-SAR summation >1.6W/kg, SPLSR calculation is necessary.
5 The WWAN scaling factor is calculated according to the difference between measured output power and maximum tolerance power on this device

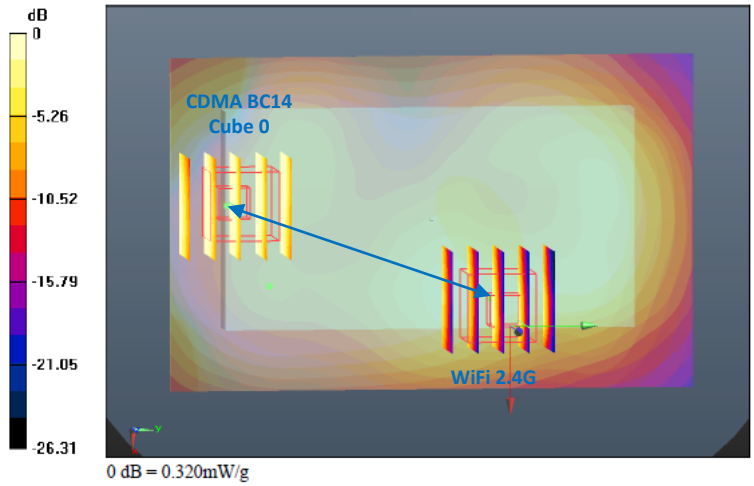
12.6 Simultaneous analysis - SPLSR calculation

Plot No	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (cm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
30	CDMA BC1	Back	1.326	-0.0235	-0.064	-0.201	9.9	1.63	0.166	Not required
38	WiFi 2.4G		0.306	0.0145	0.027	-0.202				



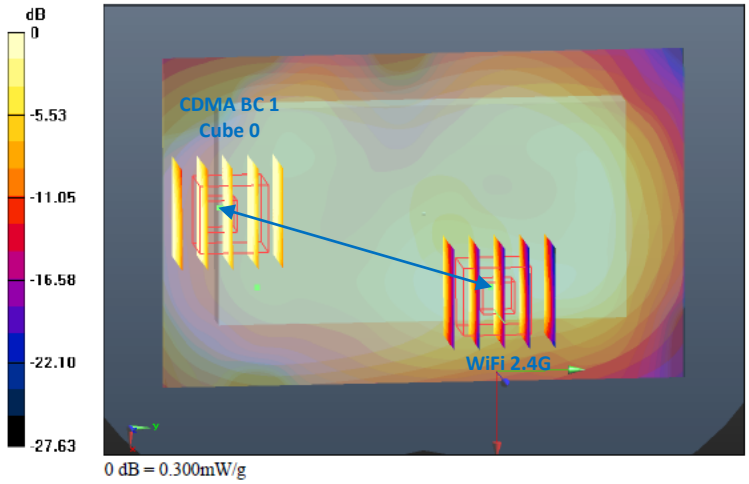
0 dB = 0.320mW/g

Plot No	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (cm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
43	CDMA BC14	Back	1.422	-0.0235	-0.064	-0.201	9.9	1.73	0.175	Not required
38	WiFi 2.4G		0.306	0.0145	0.027	-0.202				

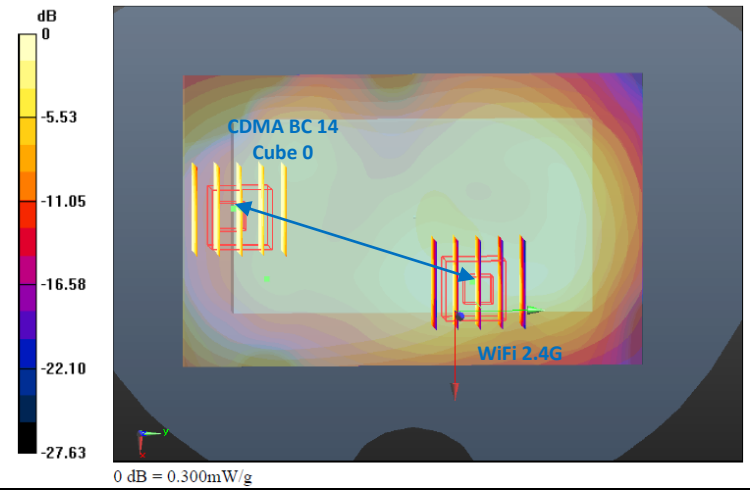


0 dB = 0.320mW/g

Plot No	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (cm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
33	CDMA BC1	Back (w/ earphone)	1.337	-0.022	-0.064	-0.201	9.3	1.63	0.176	Not required
41	WiFi 2.4G		0.293	0.013	0.022	-0.202				



Plot No	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (cm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
36	CDMA BC14	Back (w/ earphone)	1.361	-0.022	-0.064	-0.201	9.3	1.65	0.178	Not required
41	WiFi 2.4G		0.293	0.013	0.022	-0.202				



Note:

1. Per KDB 447498, if SPLSR < 0.3, volume scan is not necessary.

Test Engineer： Mark Qu

13. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2003, “Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, December 2003

[4] FCC OET Bulletin 65 (Edition 97-01) Supplement C (Edition 01-01), “Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields”, June 2001

[5] SPEAG DASY System Handbook

[6] FCC KDB 248227 D01 v01r02, “SAR Measurement Procedures for 802.11 a/b/g Transmitters”, May 2007

[7] FCC KDB 447498 D01 v04, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, November 2009

[8] FCC KDB 447498 D02 v02, “SAR Measurement Procedures for USB Dongle Transmitters”, November 2009

[9] FCC KDB 616217 D01 v01r01, “SAR Evaluation Considerations for Laptop Computers with Antennas Built-in on Display Screens”, November 2009

[10] FCC KDB 616217 D03 v01, “SAR Evaluation Considerations for Laptop/Notebook/Netbook and Tablet Computers”, November 2009

[11] FCC KDB 648474 D01 v01r05, “SAR Evaluation Considerations for Handsets with Multiple Transmitters and Antennas”, September 2008

[12] FCC KDB 941225 D01 v02, “SAR Measurement Procedures for 3G Devices – CDMA 2000 / Ev-Do / WCDMA / HSDPA / HSPA”, October 2007

[13] FCC KDB 941225 D02 v02 "3GPP R6 HSPA and R7 HSPA+ SAR Guidance", December 2009.

[14] FCC KDB 941225 D03 v01, “Recommended SAR Test Reduction Procedures for GSM / GPRS / EDGE”, December 2008

[15] FCC KDB 941225 D04 v01, “Evaluating SAR for GSM/(E)GPRS Dual Transfer Mode”, January 27 2010

[16] FCC KDB 941225 D05 v01, “SAR Test Considerations for LTE Handsets and Data Modems”, December 15 2010

[17] FCC KDB 941225 D06 v01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", April 2011

Appendix A. Plots of System Performance Check

The plots are shown as follows.

Appendix B. Plots of SAR Measurement

The plots are shown as follows.

Appendix C. DASY Calibration Certificate

The DASY calibration certificates are shown as follows.

Appendix A. Plots of System Performance Check

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-14

System Check_Head_835MHz_120514

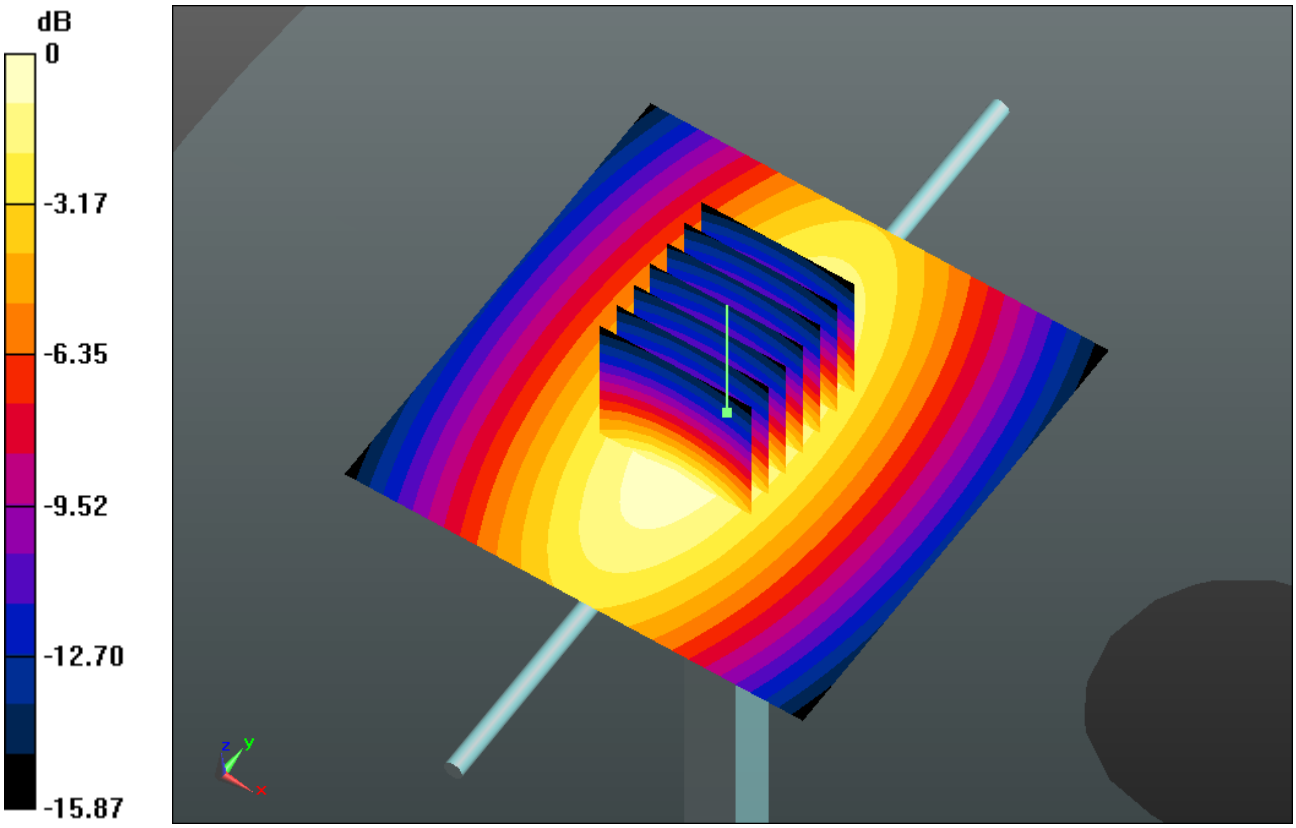
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 835 MHz; σ = 0.913 mho/m; ε_r = 40.859; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.528 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.487 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.512 W/kg
SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.55 mW/g
Maximum value of SAR (measured) = 2.536 mW/g



0 dB = 2.530mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-14

System Check_Head_1900MHz_120514

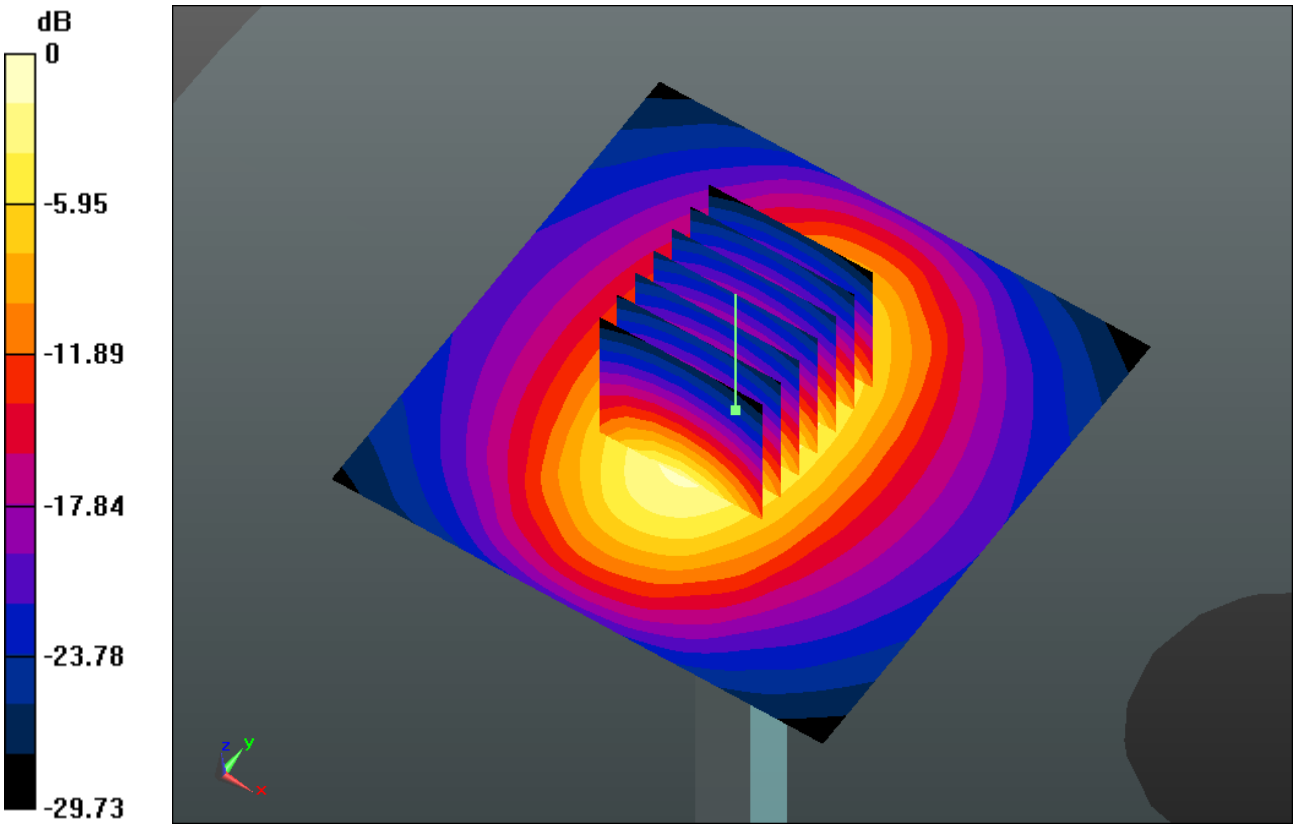
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1900 MHz; σ = 1.415 mho/m; ε_r = 40.527; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 10.667 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.018 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 17.777 W/kg
SAR(1 g) = 9.3 mW/g; SAR(10 g) = 4.76 mW/g
Maximum value of SAR (measured) = 10.526 mW/g



0 dB = 10.670mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-23

System Check_Head_2450MHz_120523

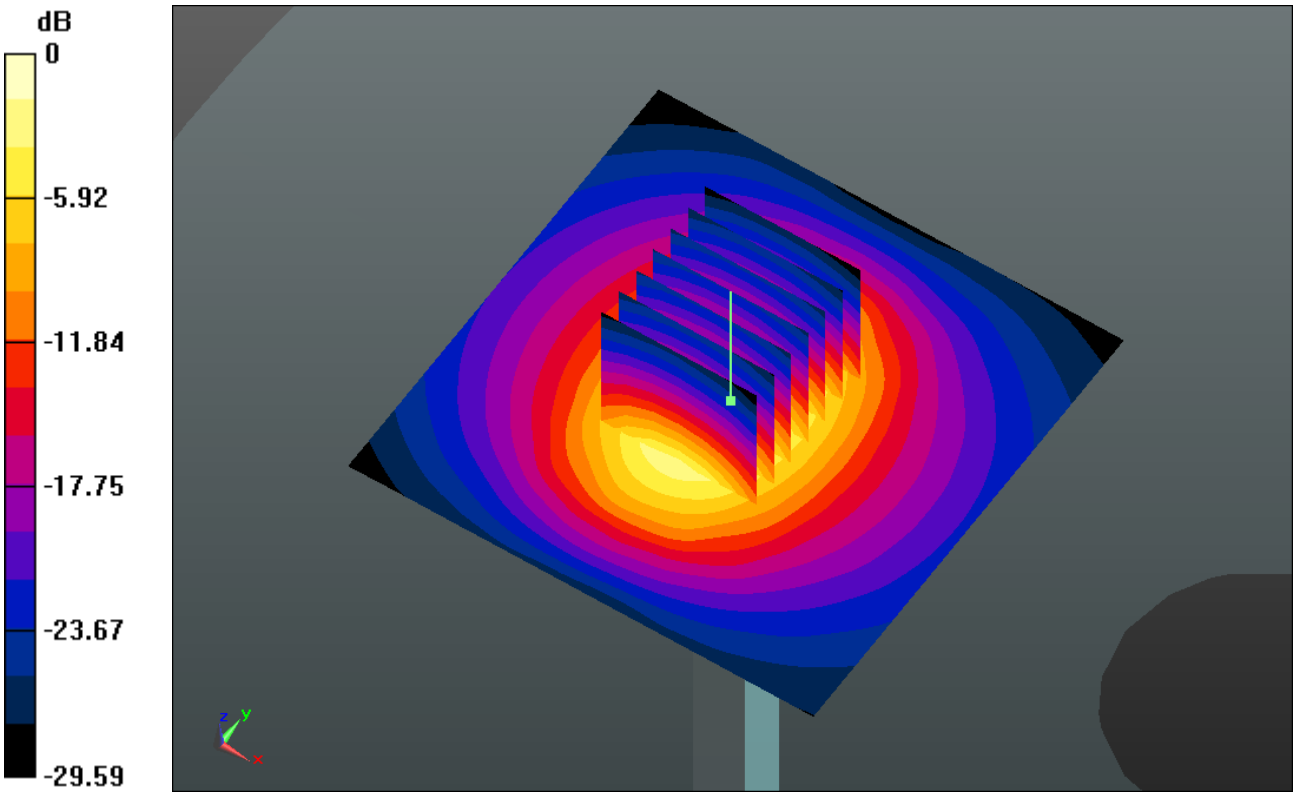
DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2450 MHz; σ = 1.857 mho/m; ε_r = 37.67; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.783 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.481 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 31.963 W/kg
SAR(1 g) = 14.4 mW/g; SAR(10 g) = 6.45 mW/g
Maximum value of SAR (measured) = 16.328 mW/g



0 dB = 16.780mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-14

System Check_Body_835MHz_120514

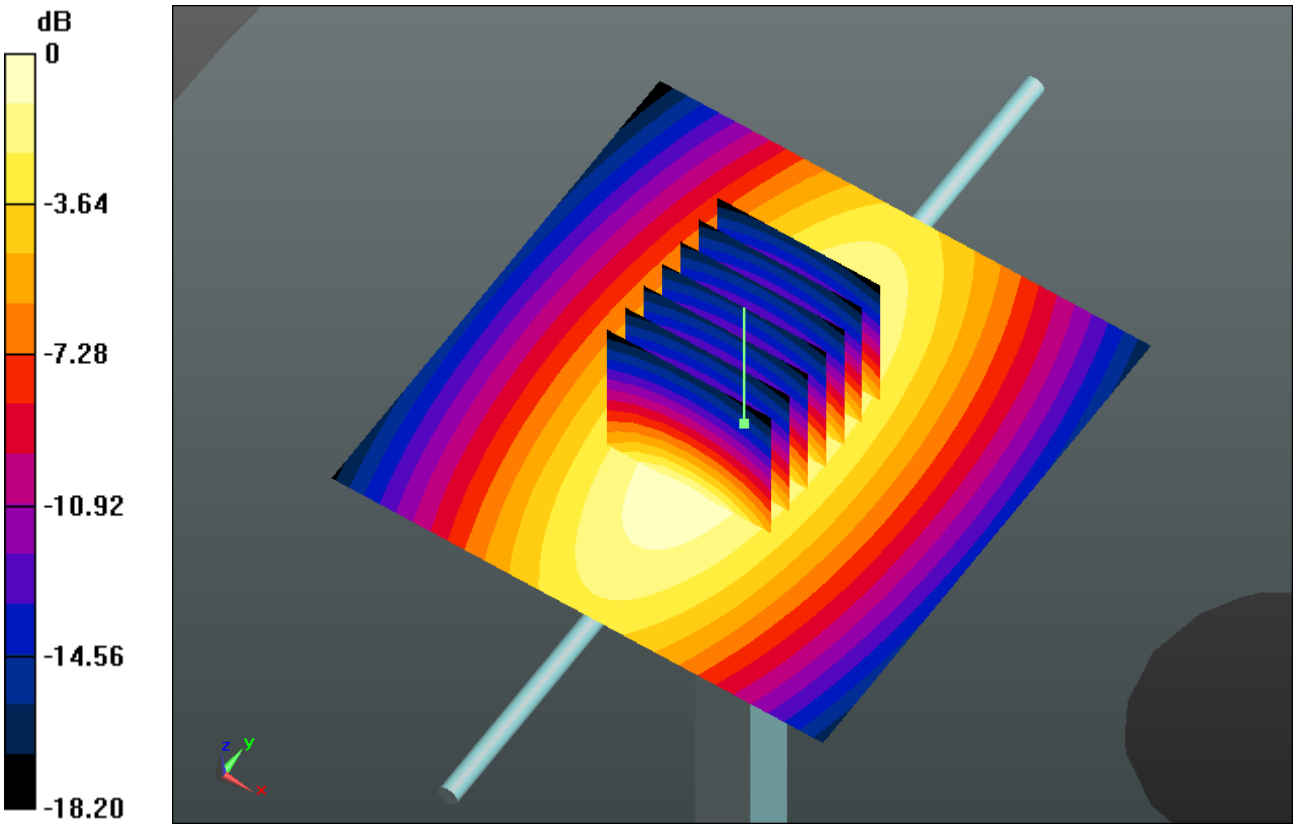
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 835 MHz; σ = 0.974 mho/m; ε_r = 54.252; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.644 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.052 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.659 W/kg
SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.61 mW/g
Maximum value of SAR (measured) = 2.647 mW/g



0 dB = 2.640mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-14

System Check_Body_1900MHz_120514

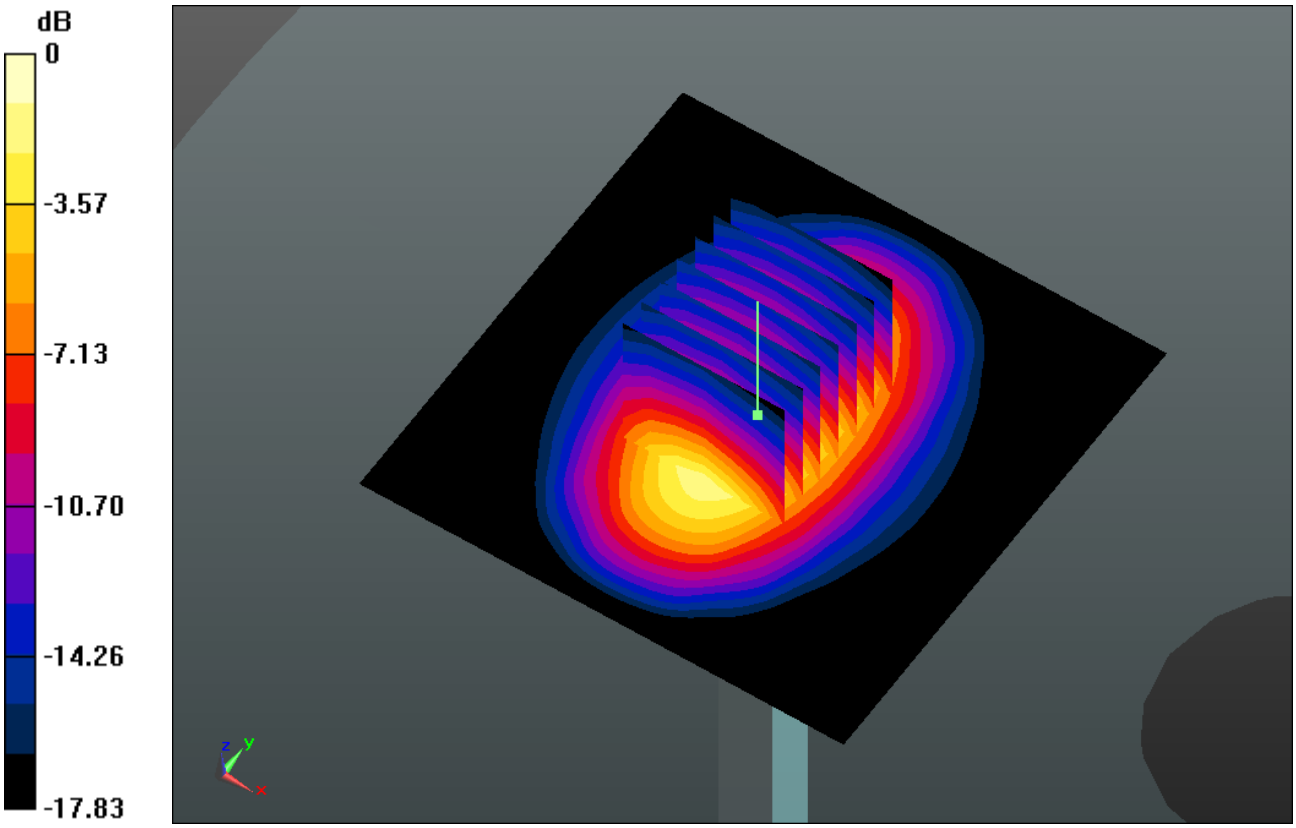
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1900 MHz; σ = 1.547 mho/m; ε_r = 53.803; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 12.033 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.239 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 19.853 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.26 mW/g
Maximum value of SAR (measured) = 11.938 mW/g



0 dB = 11.940mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-23

System Check_Body_2450MHz_120523

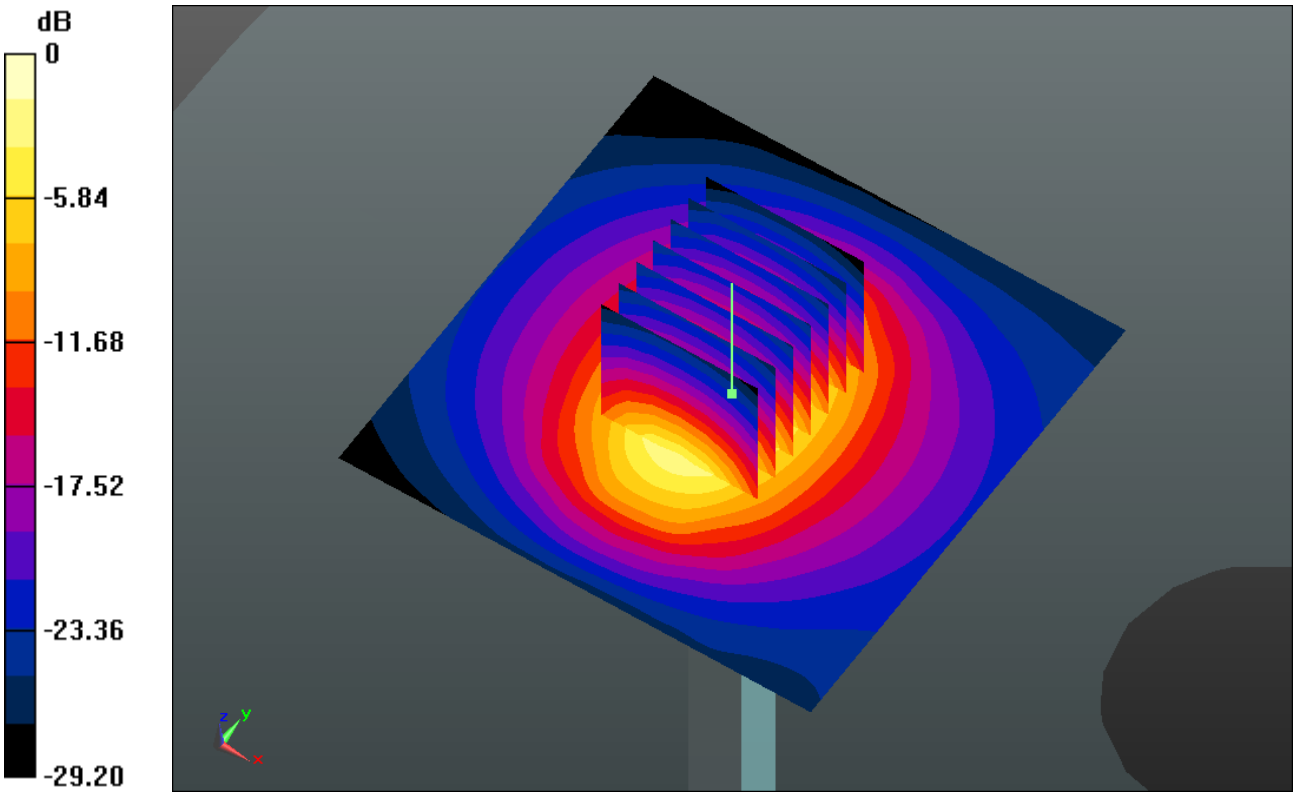
DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2450 MHz; σ = 1.939 mho/m; ε_r = 53.98; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 15.765 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.365 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 26.666 W/kg
SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.12 mW/g
Maximum value of SAR (measured) = 15.052 mW/g



0 dB = 15.760mW/g

Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch1013

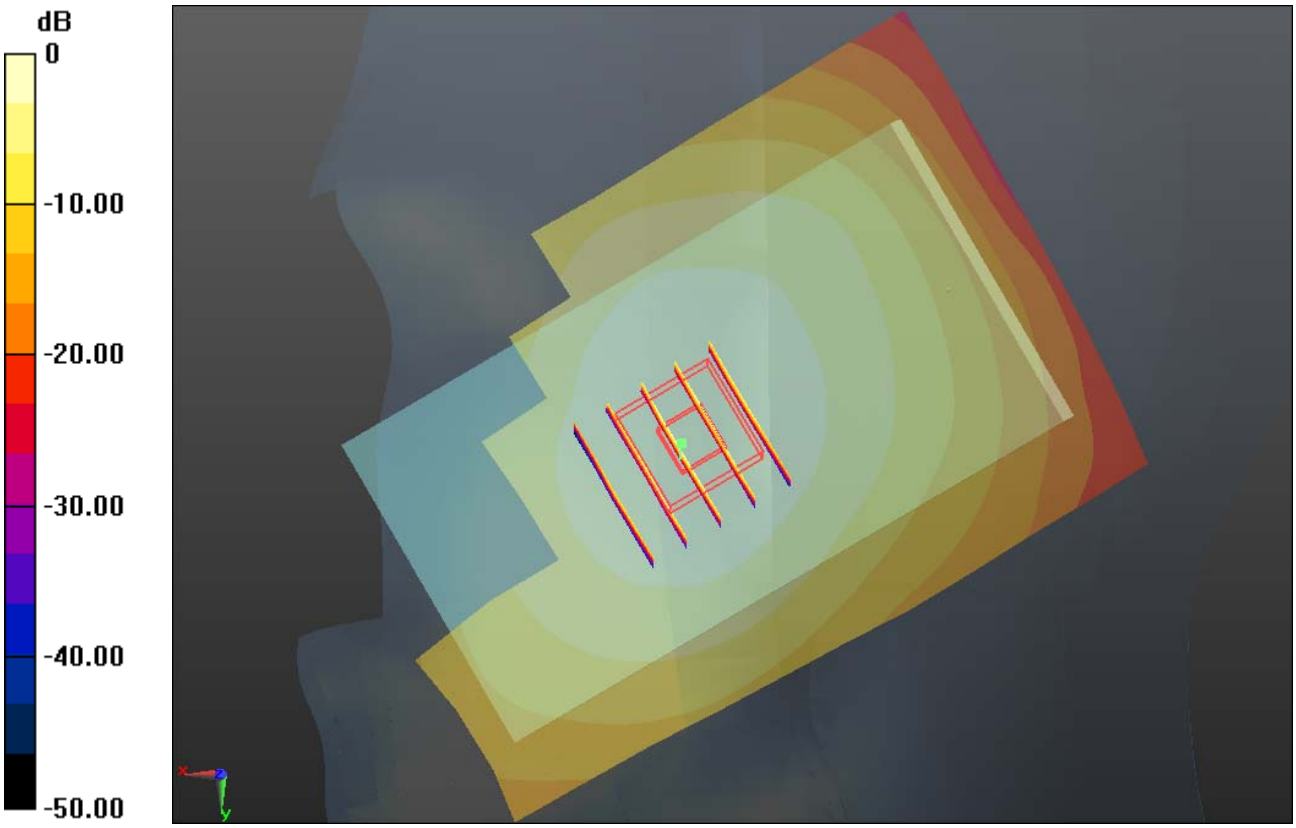
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 824.7 MHz; σ = 0.903 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.500 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.259 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.586 W/kg
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.502 mW/g



0 dB = 0.500mW/g

#01 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch1013_2D

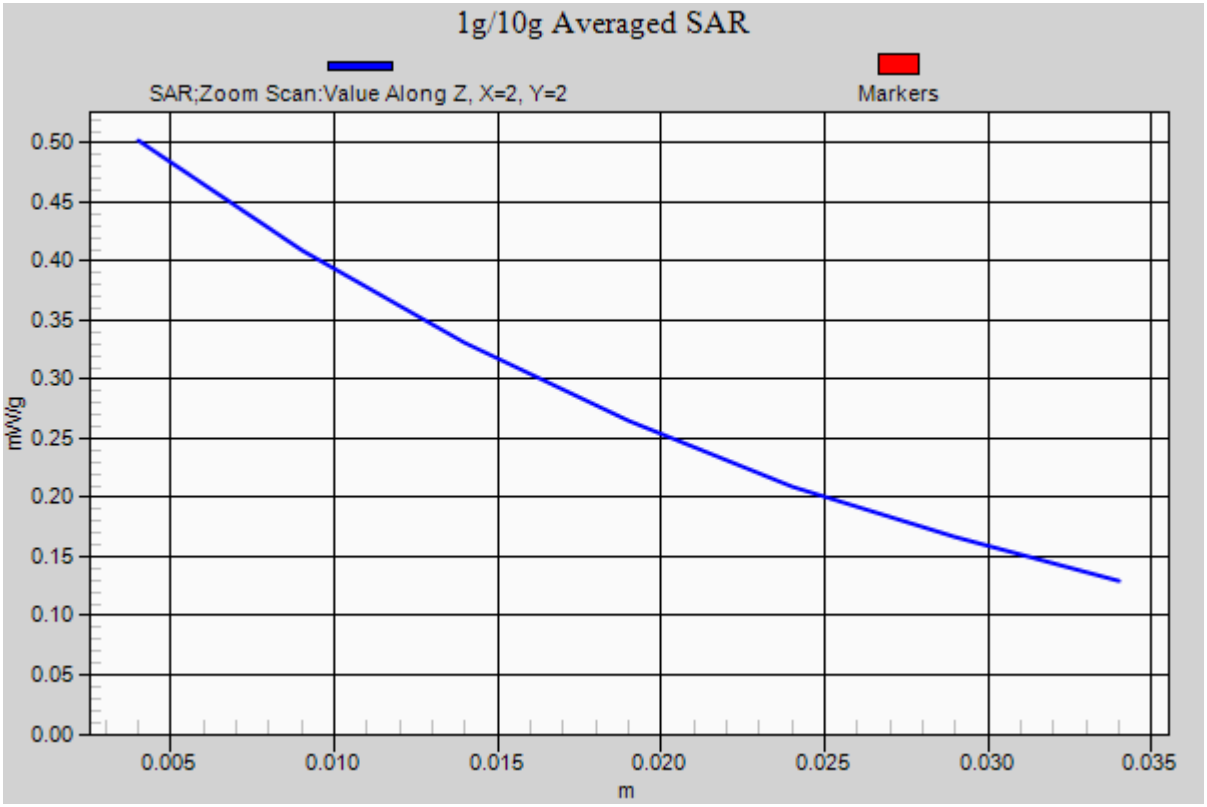
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 824.7 MHz; σ = 0.903 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.500 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.259 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.586 W/kg
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.502 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#02 CDMA2000 BC0_RC3+SO55_Right Tilted_Ch1013

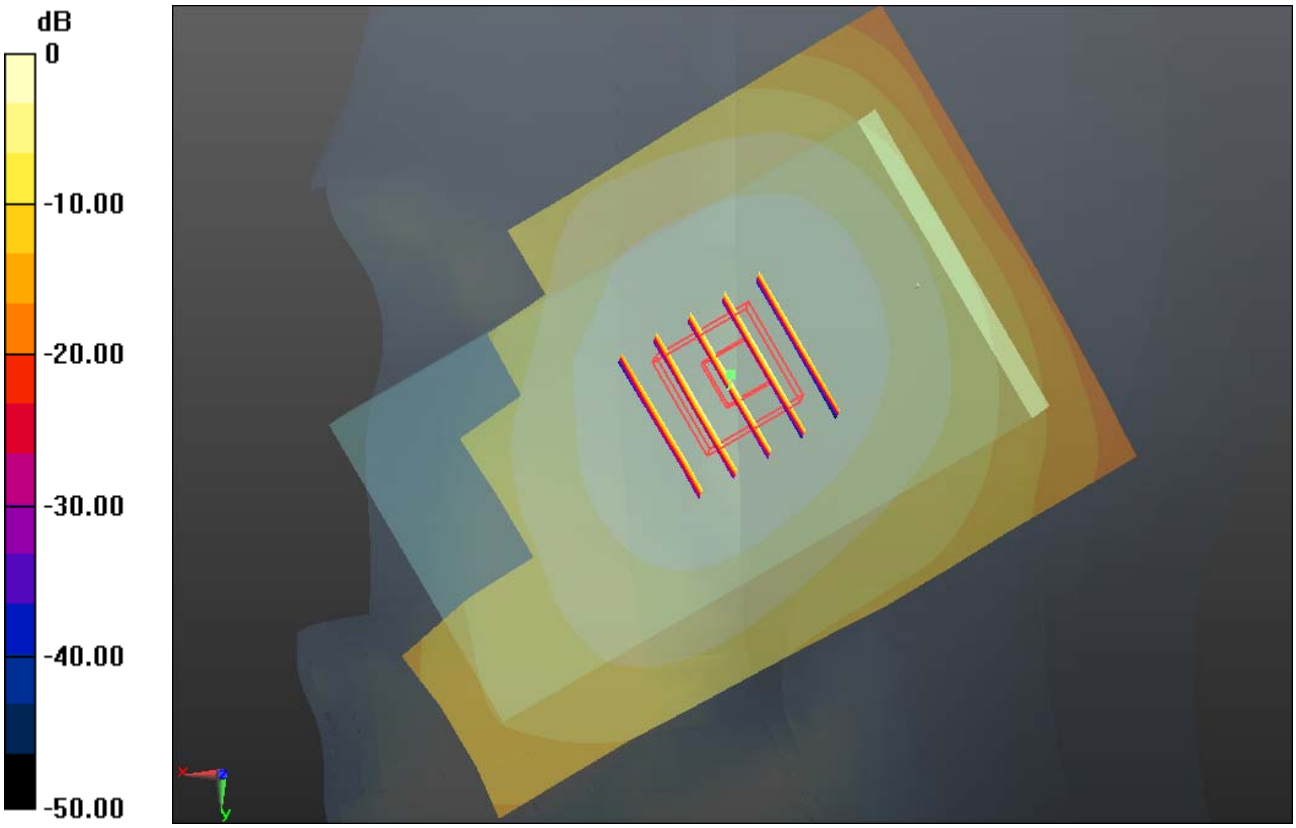
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 824.7 MHz; σ = 0.903 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.330 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.461 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.241 mW/g
Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.330mW/g

#03 CDMA2000 BC0_RC3+SO55_Left Cheek_Ch1013

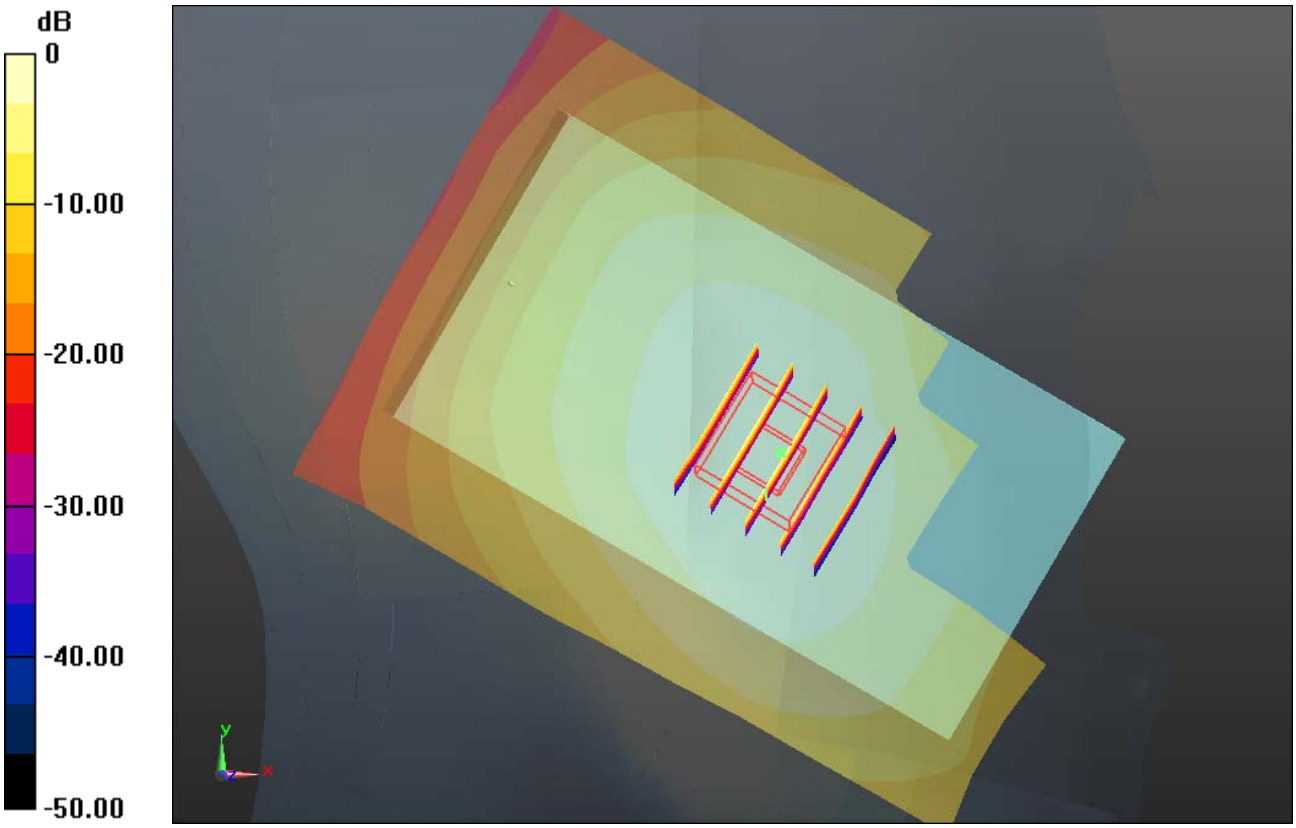
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 824.7 MHz; σ = 0.903 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.479 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.755 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.342 mW/g
Maximum value of SAR (measured) = 0.472 mW/g



0 dB = 0.480mW/g

#04 CDMA2000 BC0_RC3+SO55_Left Tilted_Ch1013

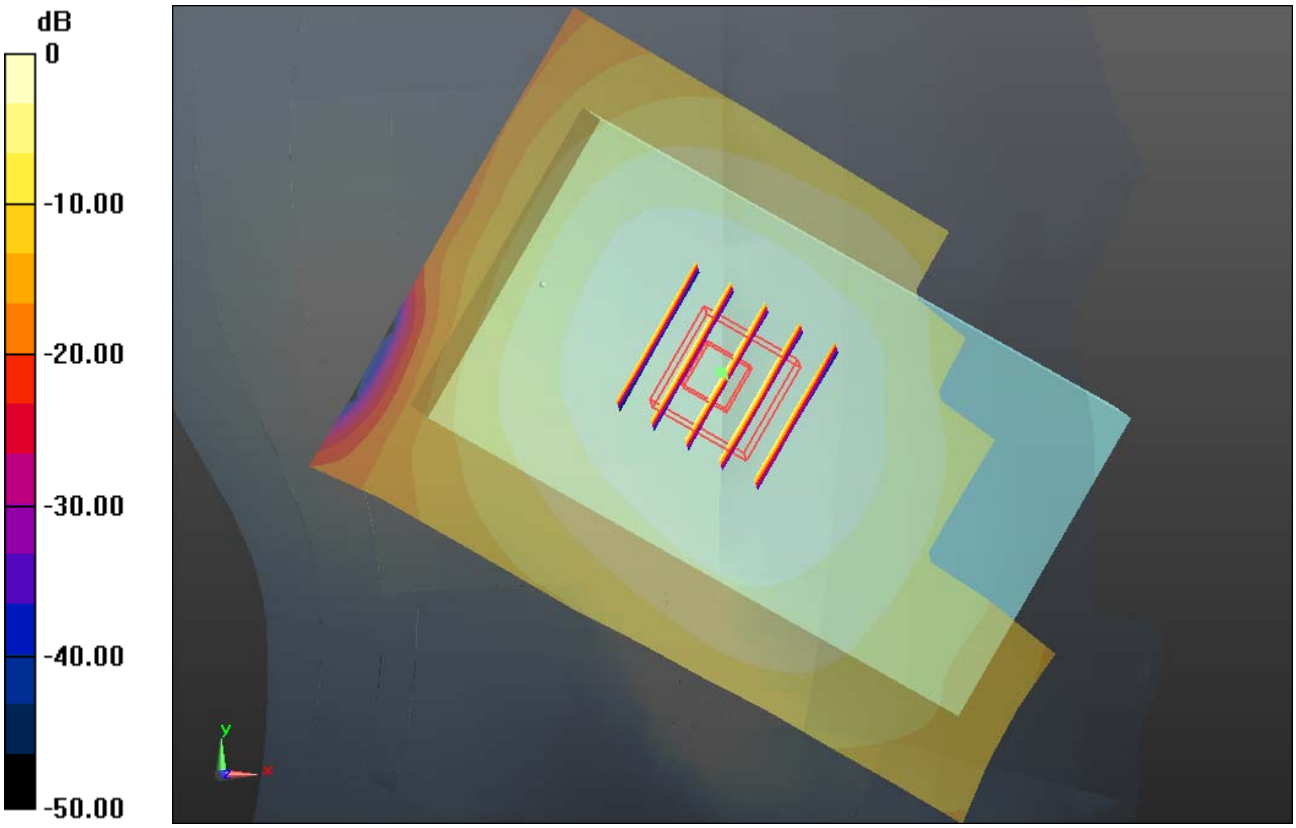
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_850_120514 Medium parameters used: f = 824.7 MHz; σ = 0.903 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.330 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.791 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.319 mW/g



0 dB = 0.330mW/g

#05 CDMA2000 BC1_RC3+SO55_Right Cheek_Ch25

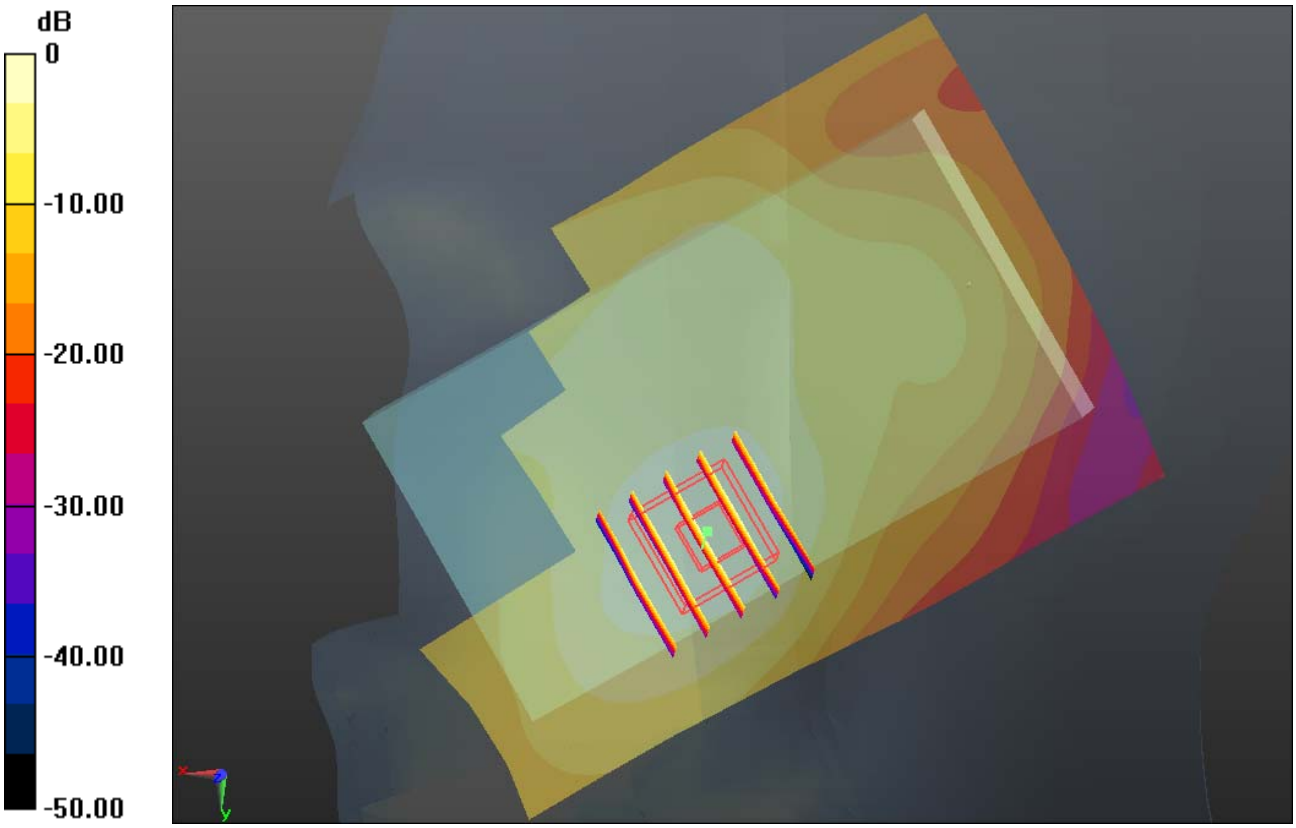
DUT: 241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.37 mho/m; ε_r = 40.691; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.764 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.065 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.008 W/kg
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.706 mW/g



0 dB = 0.760mW/g

#05 CDMA2000 BC1_RC3+SO55_Right Cheek_Ch25_2D

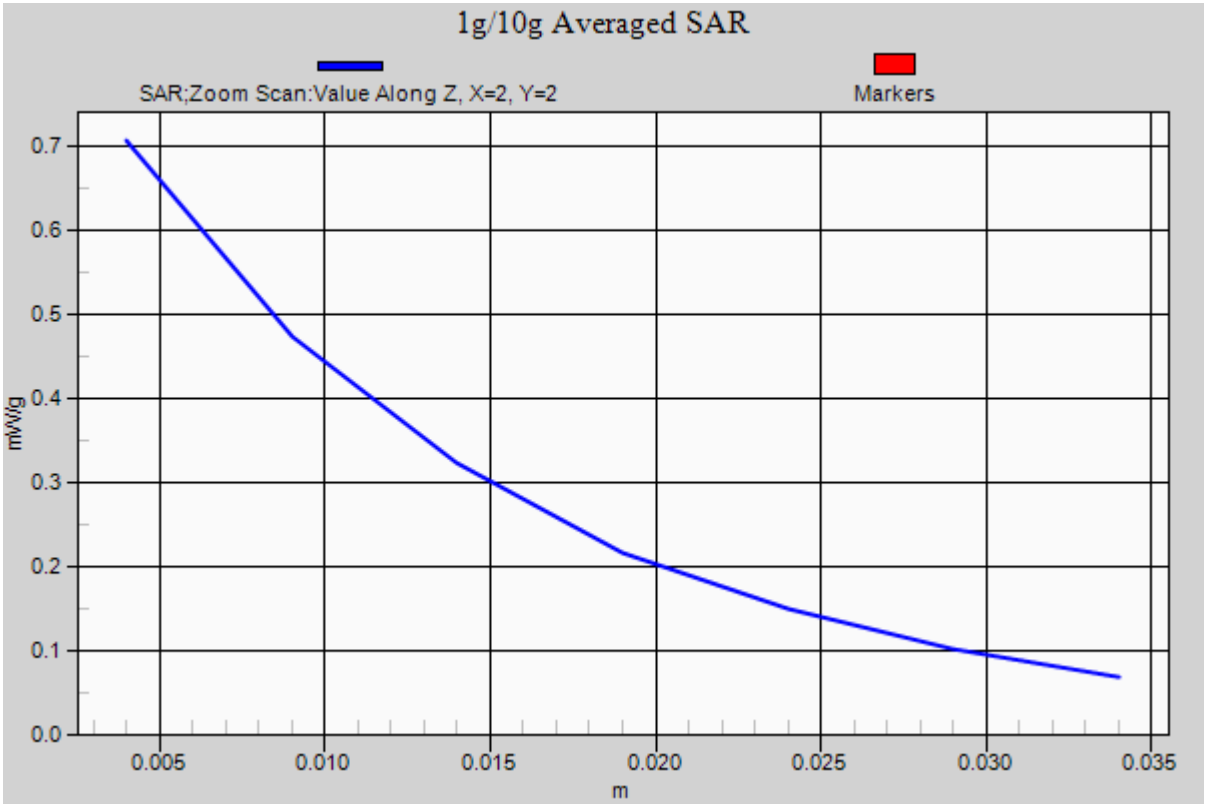
DUT: 241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.37 mho/m; ε_r = 40.691; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.764 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.065 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.008 W/kg
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.706 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#06 CDMA2000 BC1_RC3+SO55_Right Tilted_Ch25

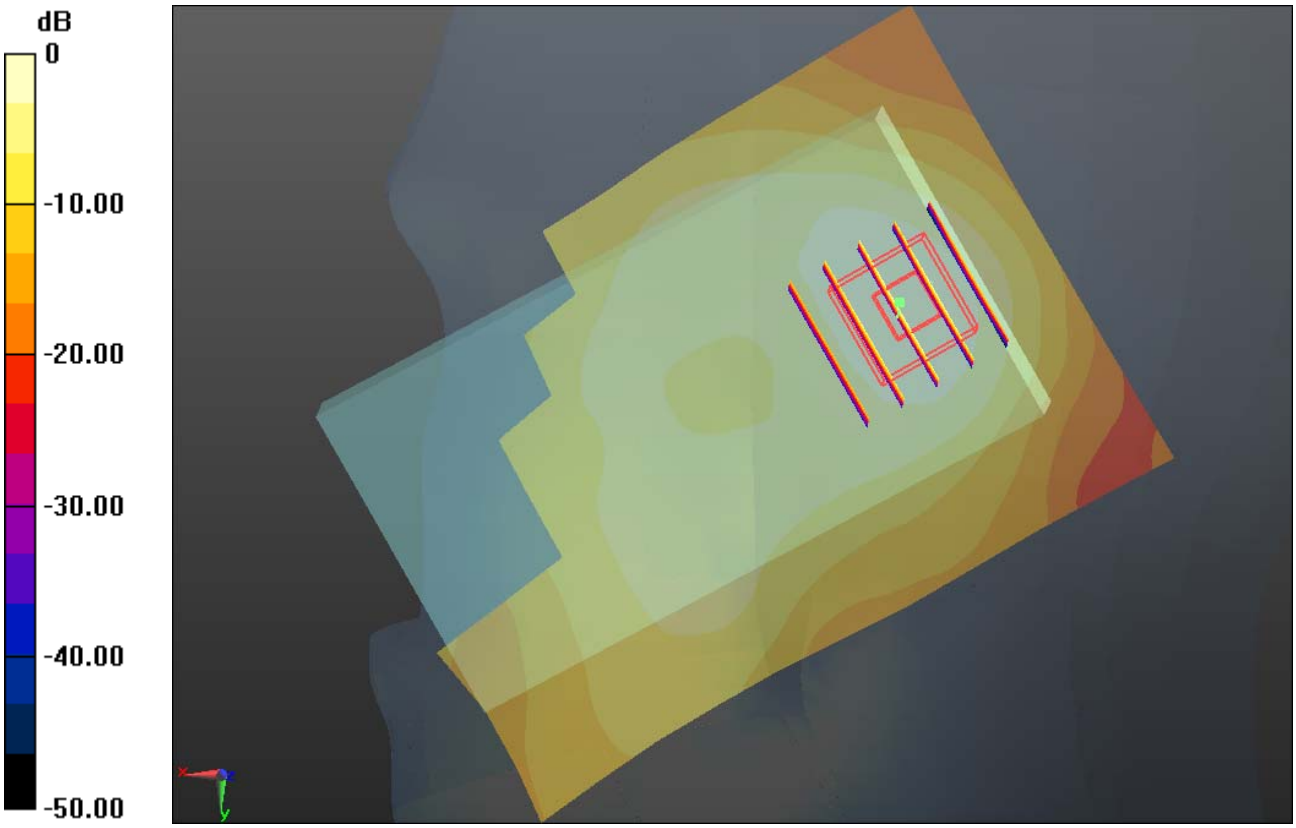
DUT: 241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.37 mho/m; ε_r = 40.691; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.997 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.294 mW/g



0 dB = 0.320mW/g

#07 CDMA2000 BC1_RC3+SO55_Left Cheek_Ch25

DUT: 241902

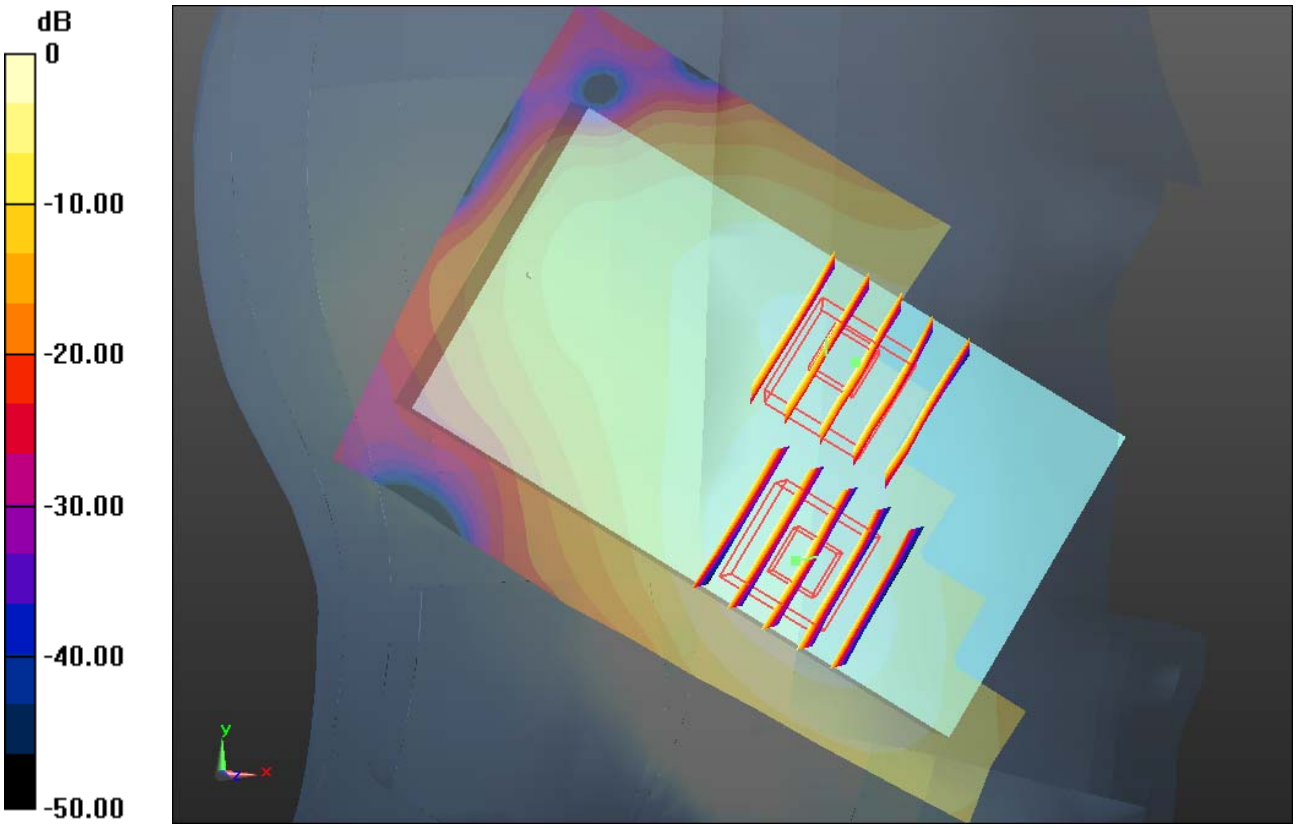
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.37 mho/m; ε_r = 40.691; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.656 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.858 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.932 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.354 mW/g
Maximum value of SAR (measured) = 0.645 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.858 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.568 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.660mW/g

#08 CDMA2000 BC1_RC3+SO55_Left Tilted_Ch25

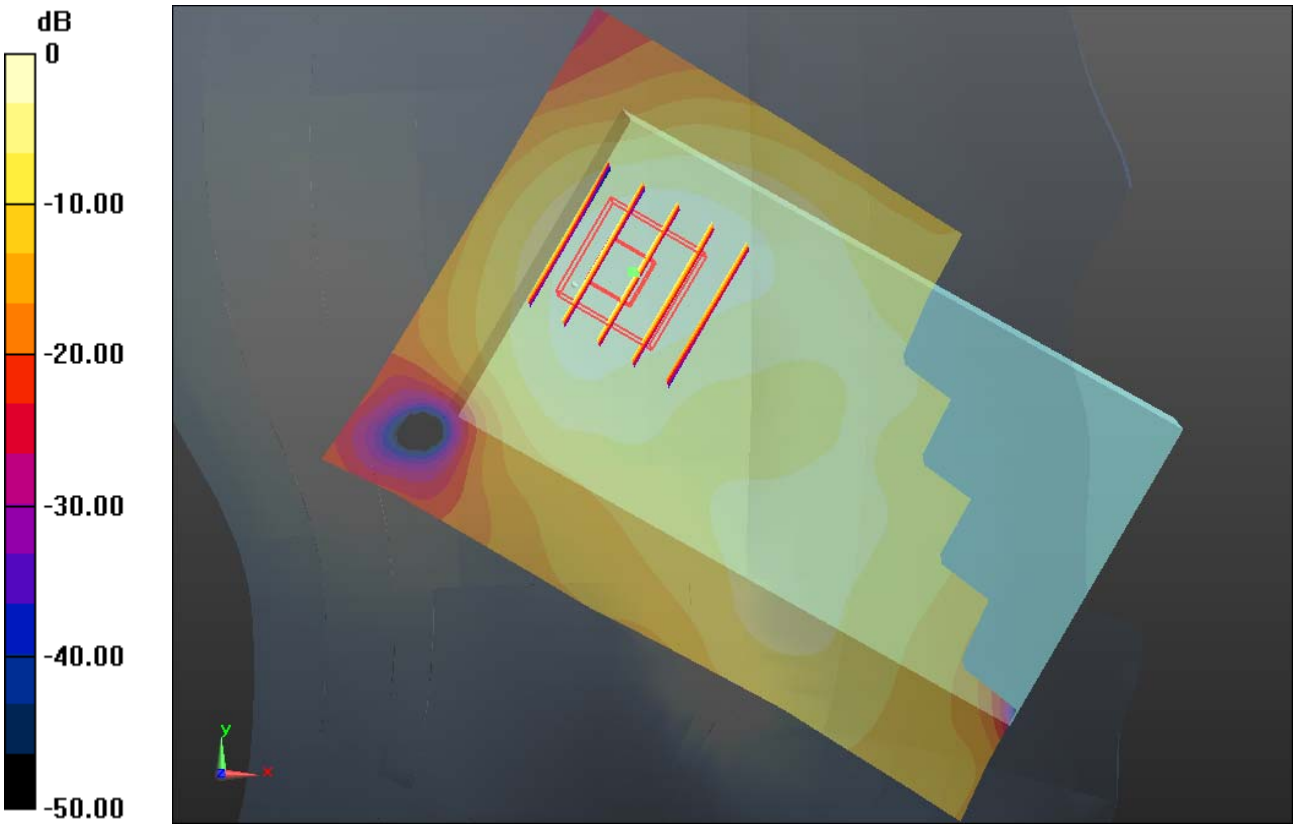
DUT: N241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.37 mho/m; ε_r = 40.691; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.344 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.679 V/m; Power Drift = -0.0022 dB
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.319 mW/g



0 dB = 0.340mW/g

#09 CDMA2000 BC14_RC3+SO55_Right Cheek_Ch1275

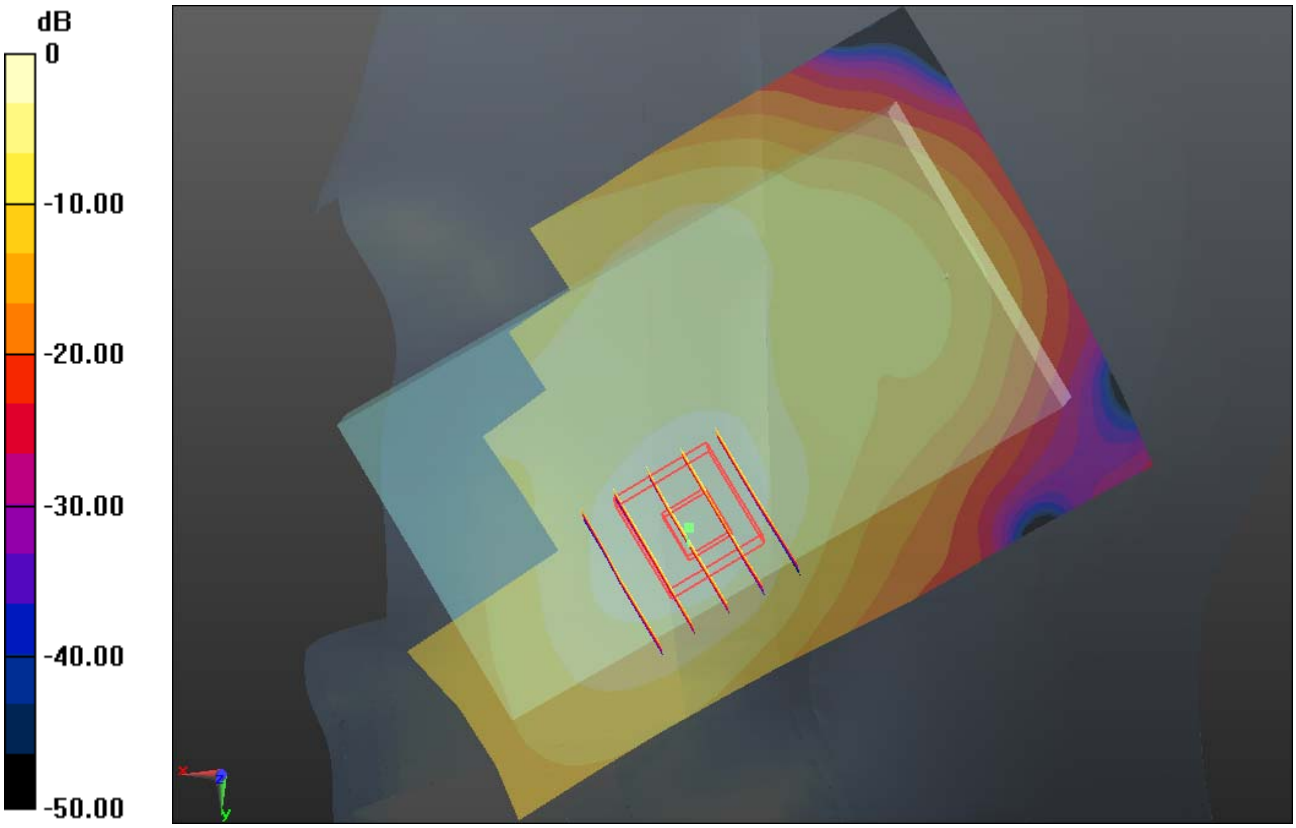
DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.428 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.787 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.832 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.088 W/kg
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.736 mW/g



0 dB = 0.790mW/g

#09 CDMA2000 BC14_RC3+SO55_Right Cheek_Ch1275_2D

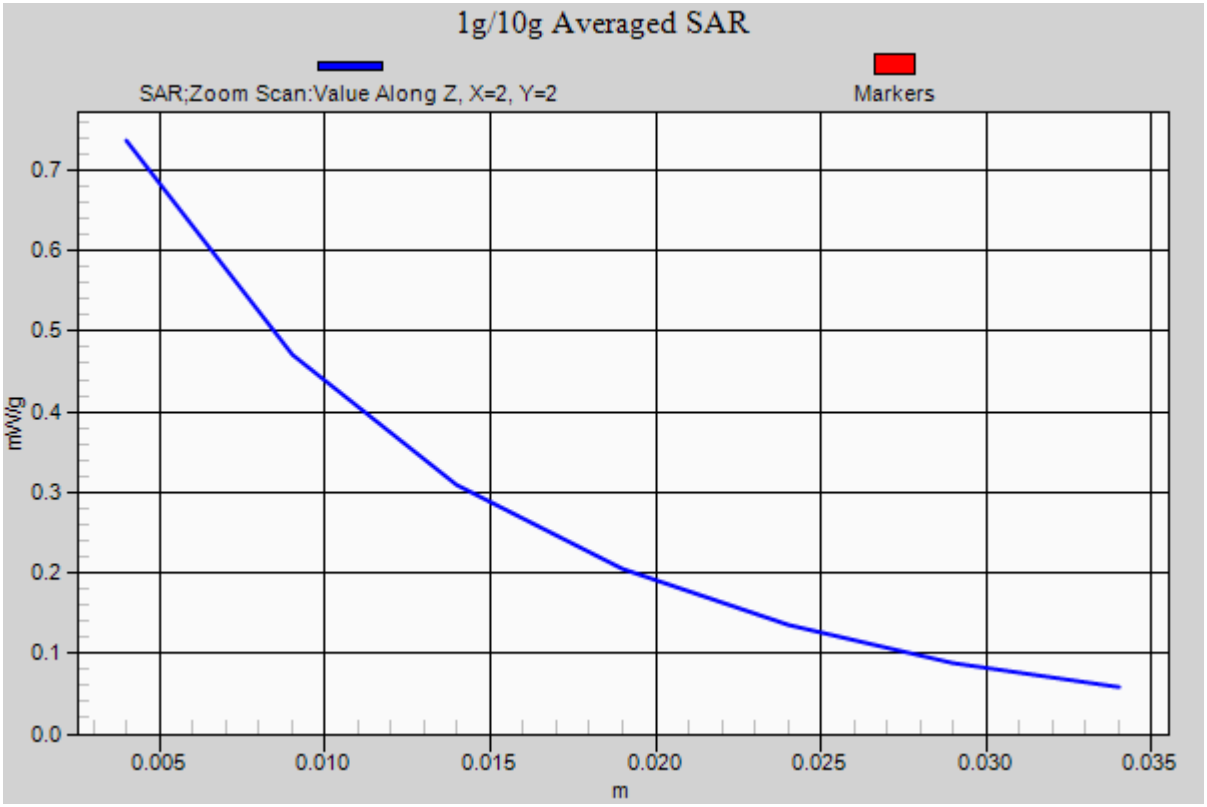
DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.428 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.787 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.832 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.088 W/kg
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.736 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#47 CDMA2000 BC14_RC3+SO55_Right Tited_Ch1275

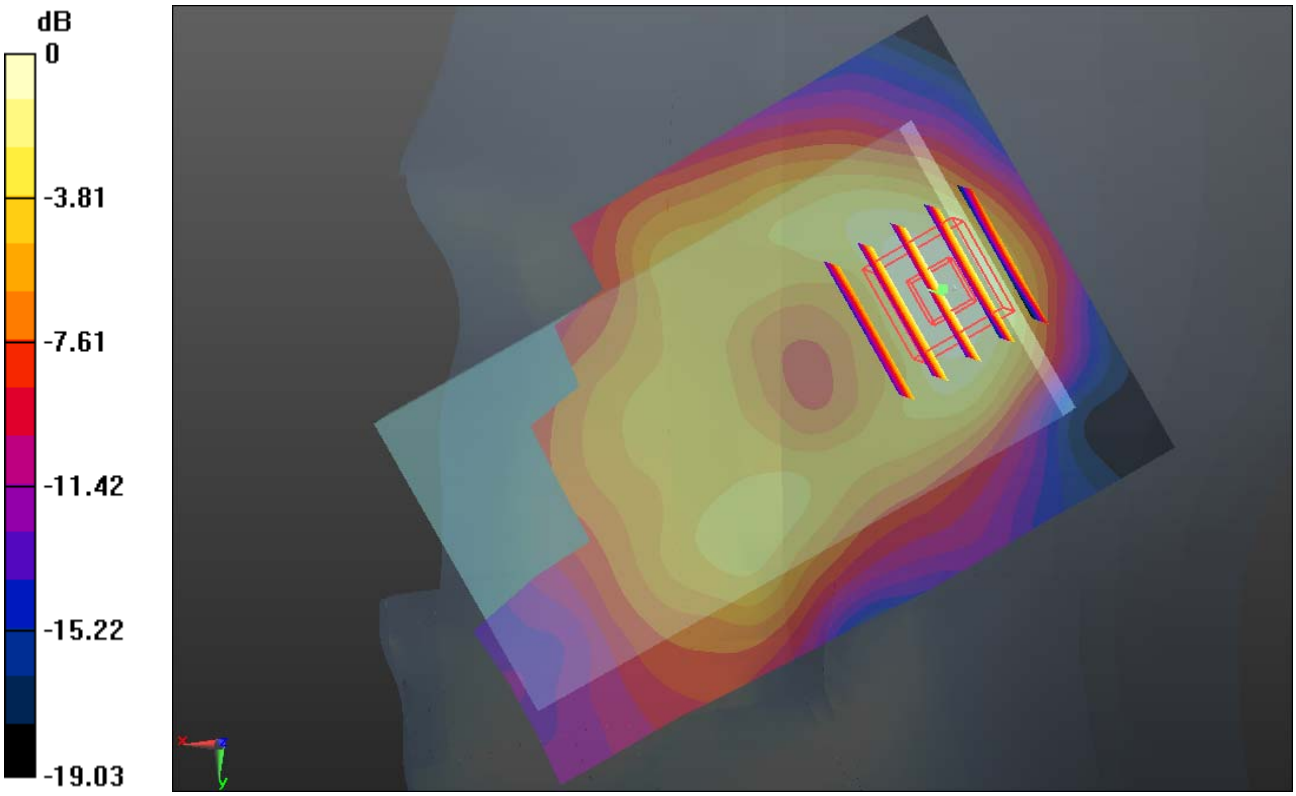
DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.428 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.254 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.188 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.357 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.247 mW/g



0 dB = 0.250mW/g

#48 CDMA2000 BC14_RC3+SO55_Left Cheek_Ch1275

DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.428 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.669 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.808 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.926 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.646 mW/g

#49 CDMA2000 BC14_RC3+SO55_Left Tited_Ch1275

DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.428 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.250 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.704 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.371 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.242 mW/g

#10 802.11b_Right Cheek_1M_Ch11

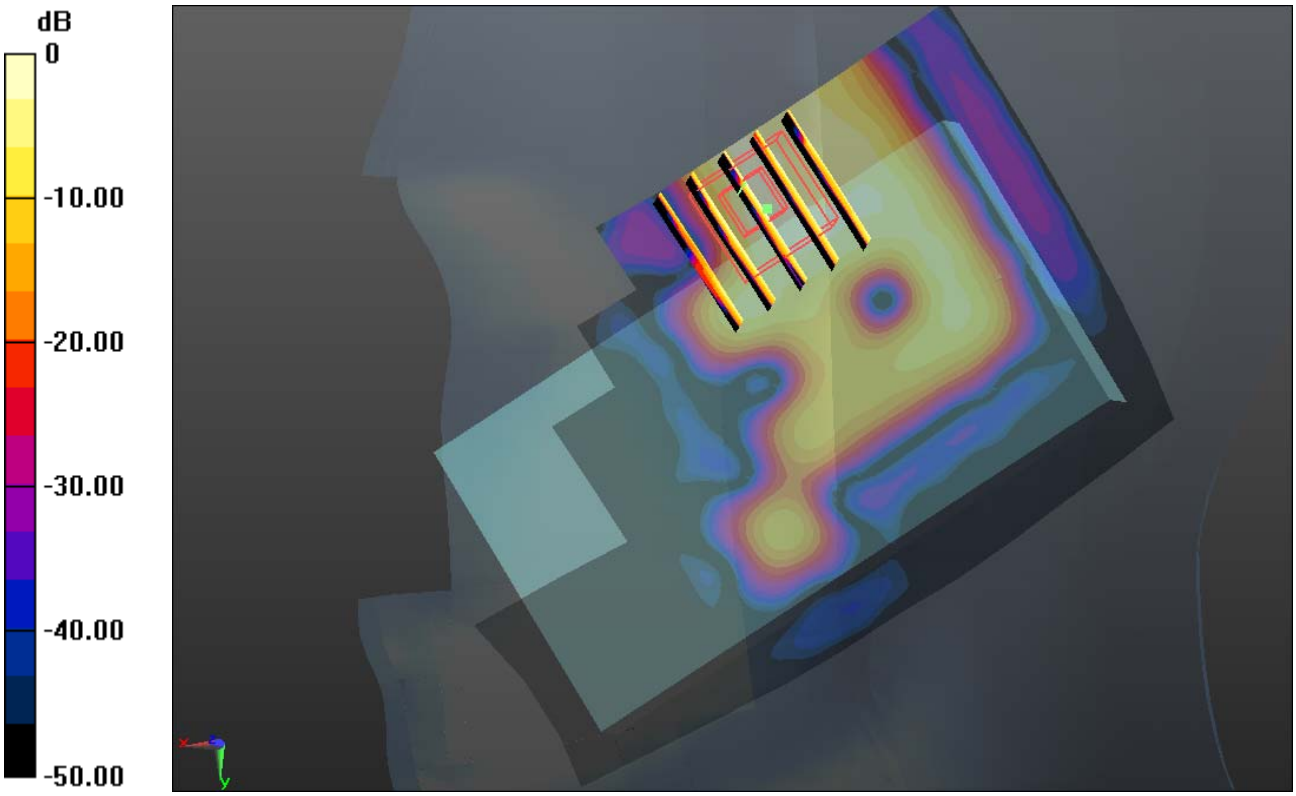
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.033 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.115 mW/g



0 dB = 0.170mW/g

#10 802.11b_Right Cheek_1M_Ch11_2D

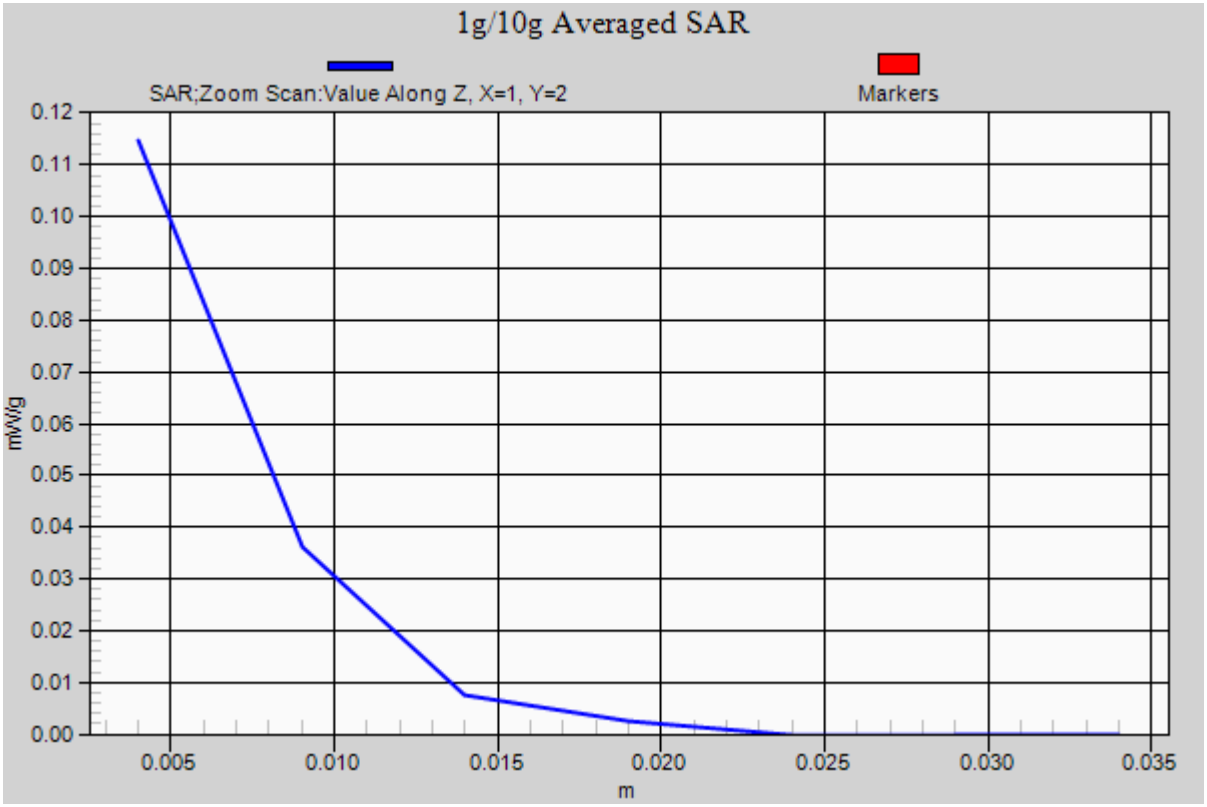
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.033 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.115 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=2
Markers
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#11 802.11b_Right Tilted_1M_Ch11

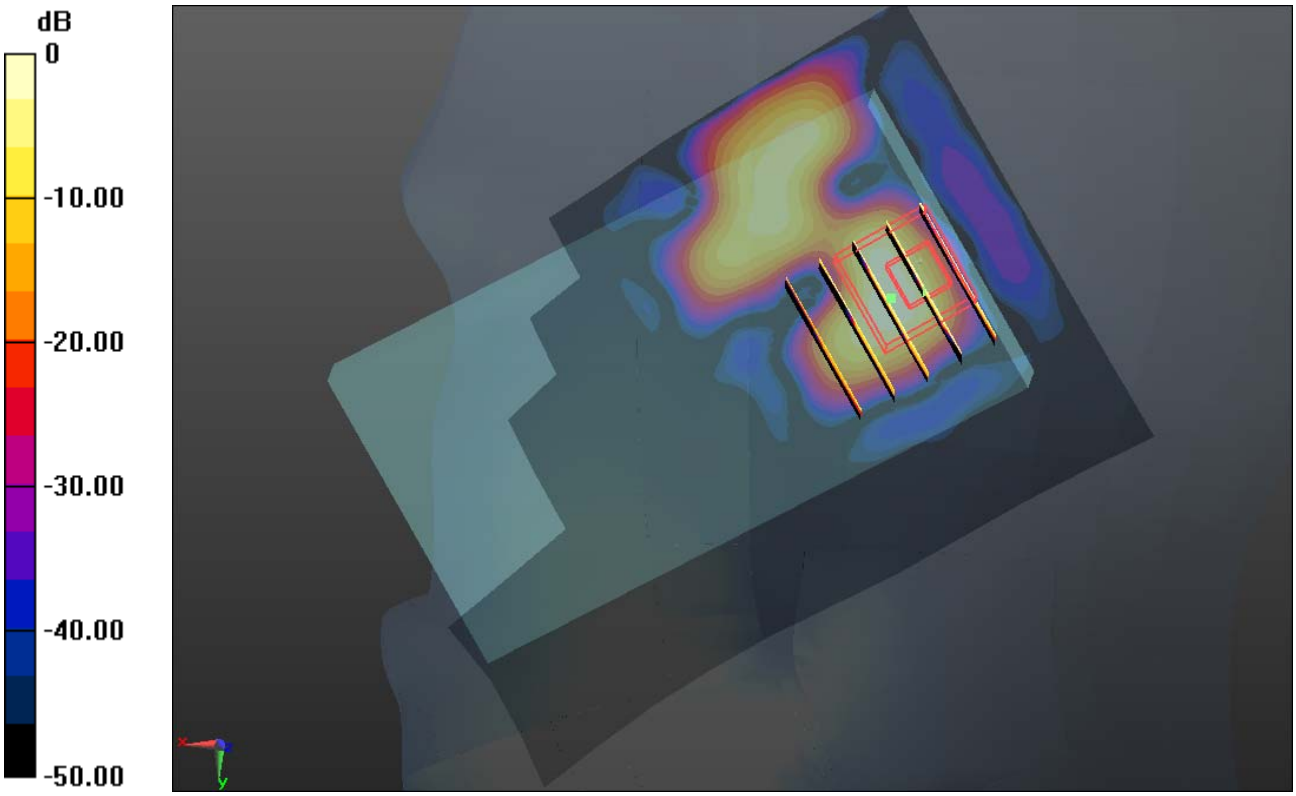
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.112 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.194 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.110mW/g

#12 802.11b_Left Cheek_1M_Ch11

DUT: 241902

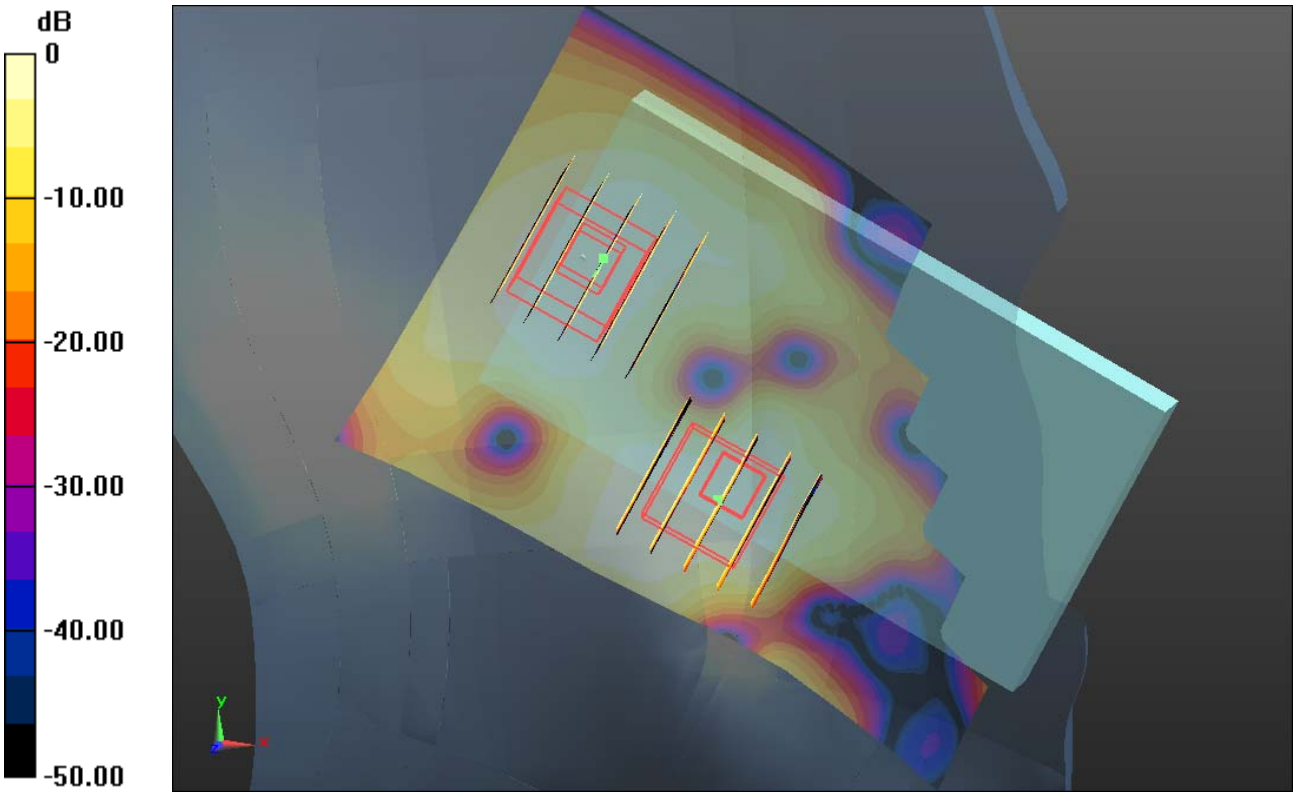
Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.073 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.106 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.070 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.106 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.059 mW/g



0 dB = 0.070mW/g

#13 802.11b_Left Tilted_1M_Ch11

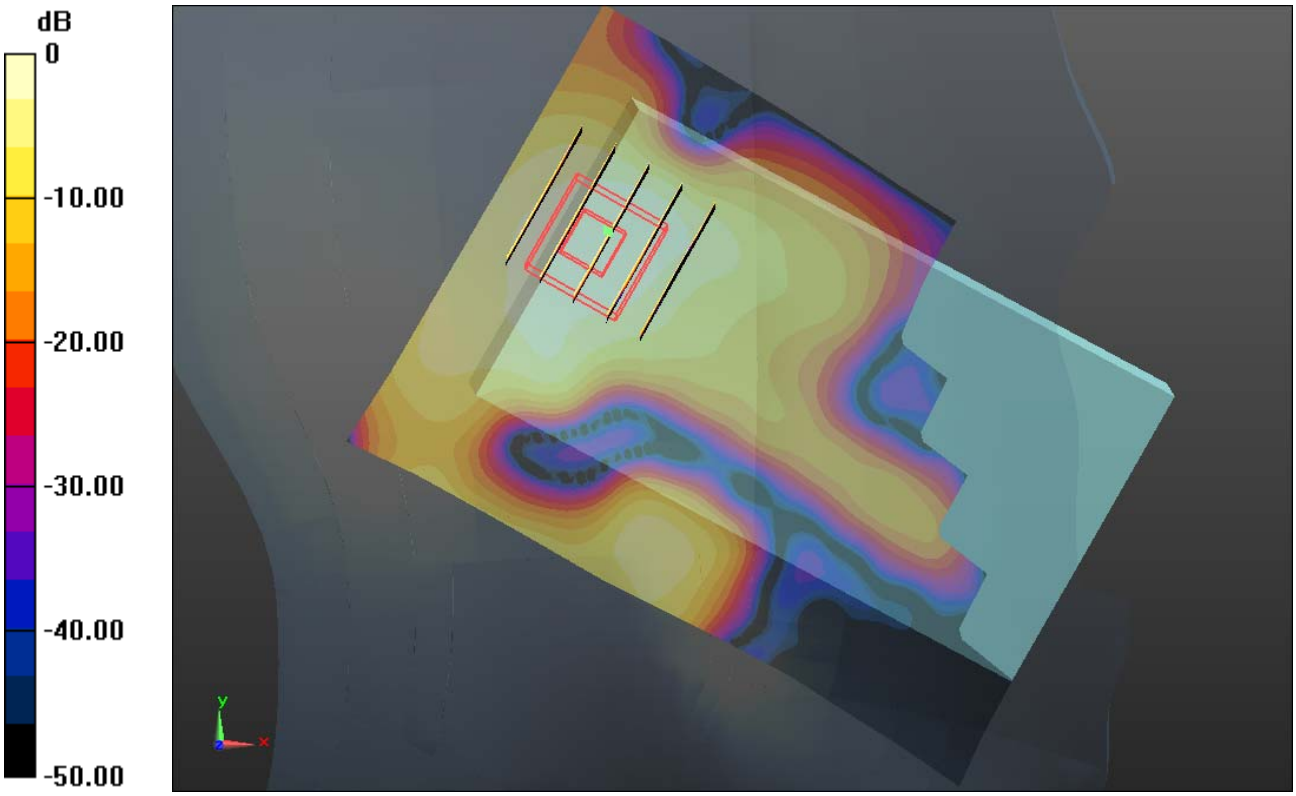
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.077 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.133 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.077 mW/g



0 dB = 0.080mW/g

#14 CDMA2000 BC0_RTAP153.6_Front_1cm_Ch1013

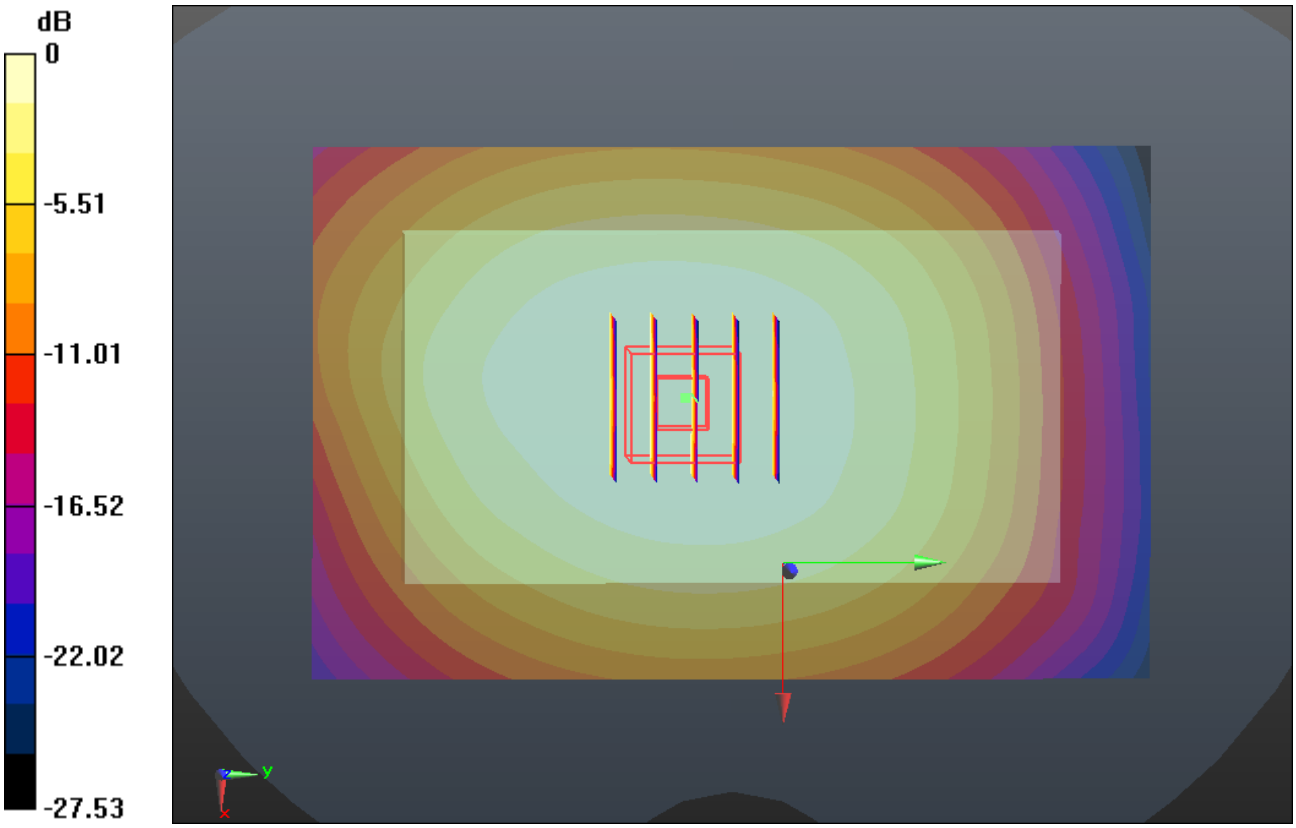
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.661 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.814 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.482 mW/g
Maximum value of SAR (measured) = 0.652 mW/g



0 dB = 0.660mW/g

#15 CDMA2000 BC0_RTAP153.6_Back_1cm_Ch1013

DUT: 241902

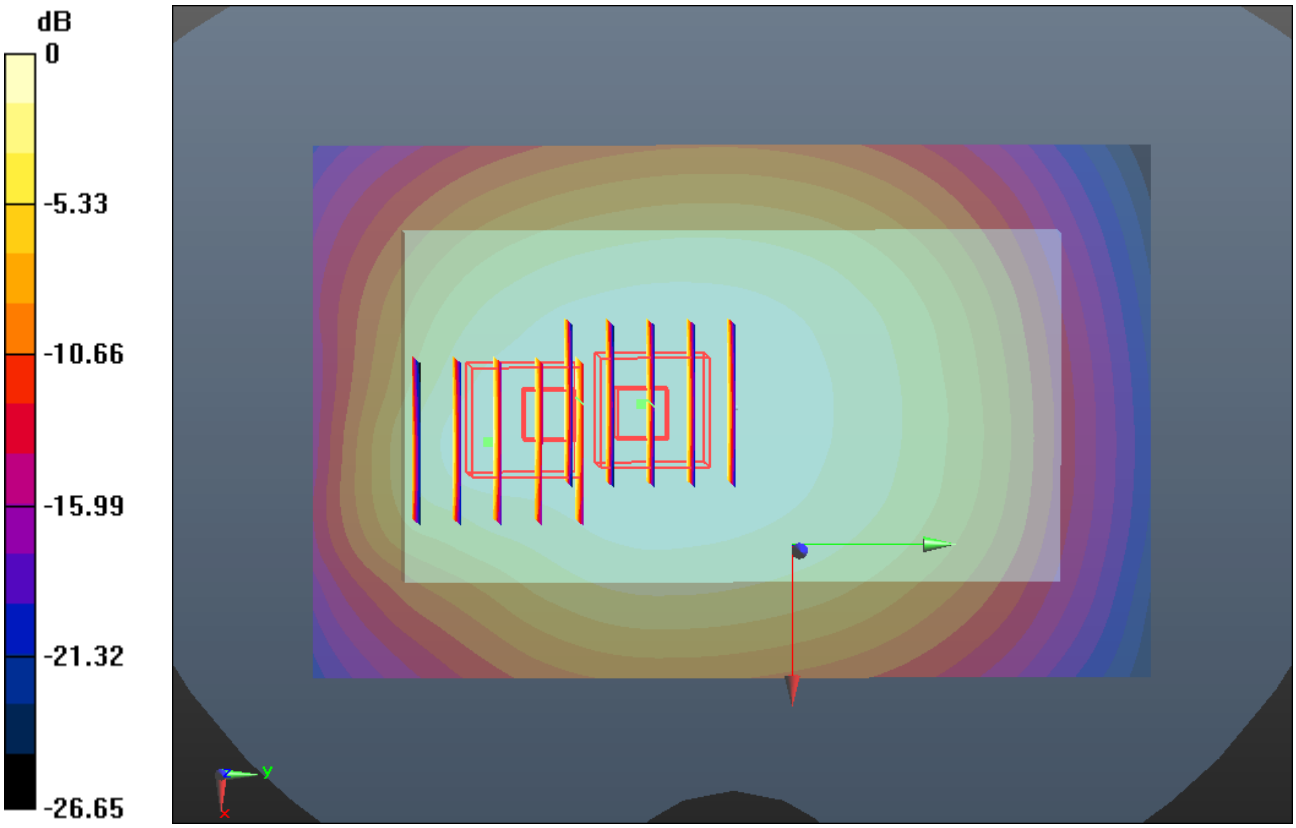
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.982 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.417 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.168 W/kg
SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.718 mW/g
Maximum value of SAR (measured) = 0.978 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.417 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.163 W/kg
SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.581 mW/g
Maximum value of SAR (measured) = 0.914 mW/g



0 dB = 0.980mW/g

#15 CDMA2000 BC0_RTAP153.6_Back_1cm_Ch1013_2D

DUT: 241902

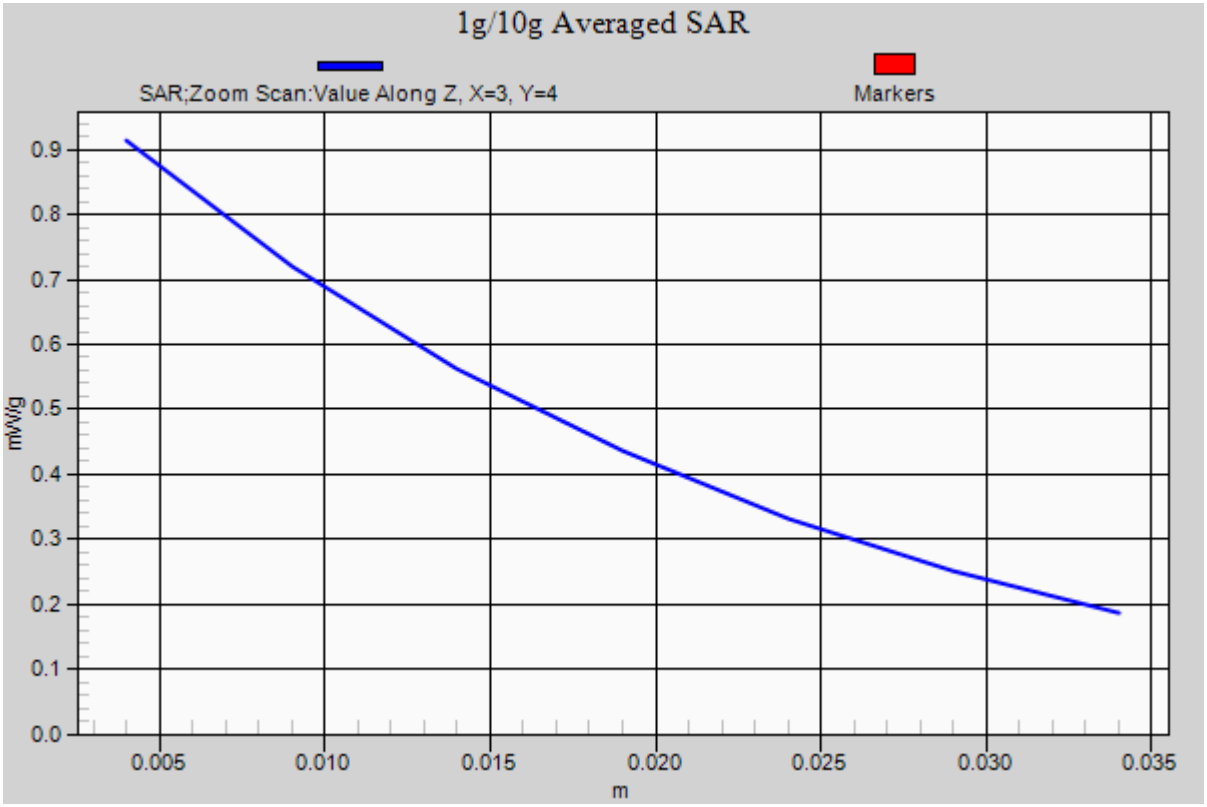
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.982 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.417 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.168 W/kg
SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.718 mW/g
Maximum value of SAR (measured) = 0.978 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.417 V/m; Power Drift = -0.0096 dB
Peak SAR (extrapolated) = 1.163 W/kg
SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.581 mW/g
Maximum value of SAR (measured) = 0.914 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=4
Markers
mW/g
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#16 CDMA2000 BC0_RTAP153.6_Left Side_1cm_Ch1013

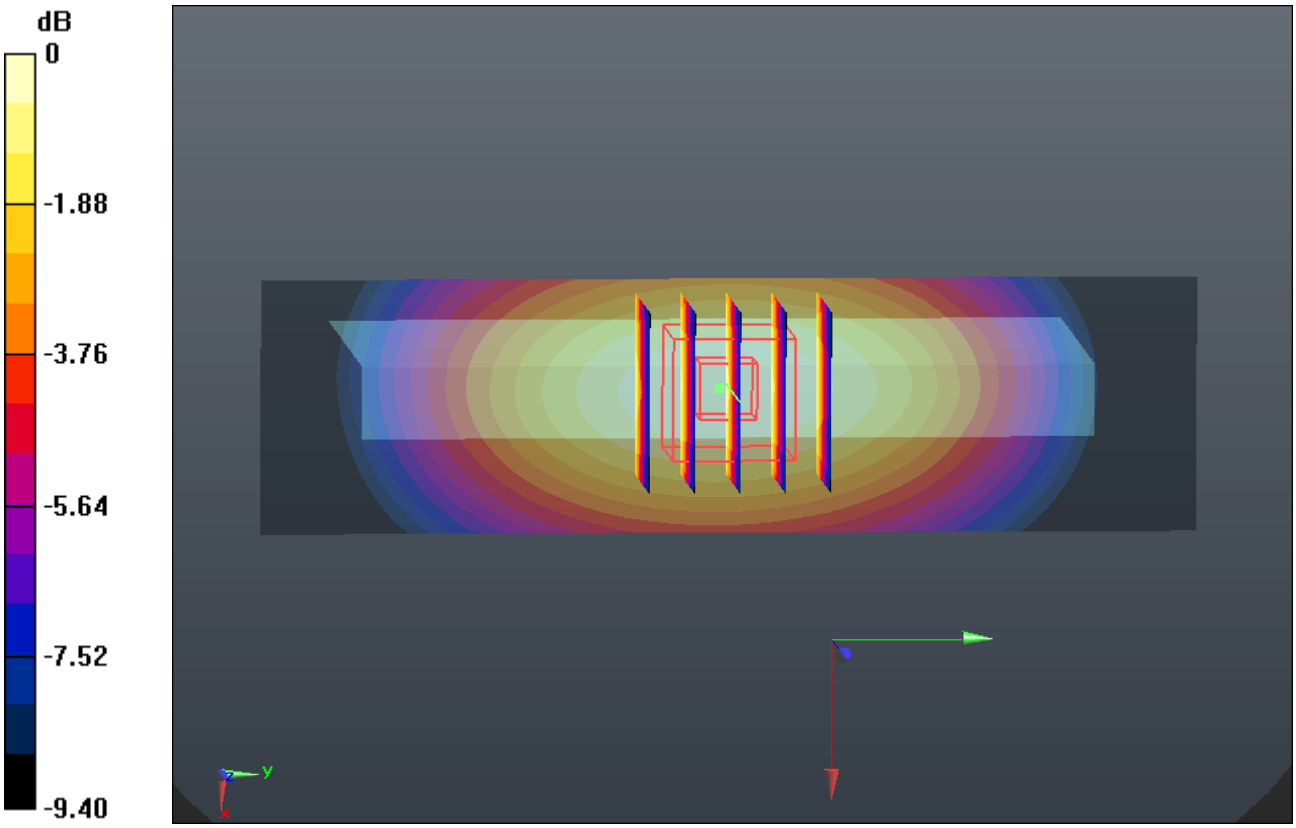
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.709 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.939 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.935 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.461 mW/g
Maximum value of SAR (measured) = 0.710 mW/g



0 dB = 0.710mW/g

#17 CDMA2000 BC0_RTAP153.6_Right Side_1cm_Ch1013

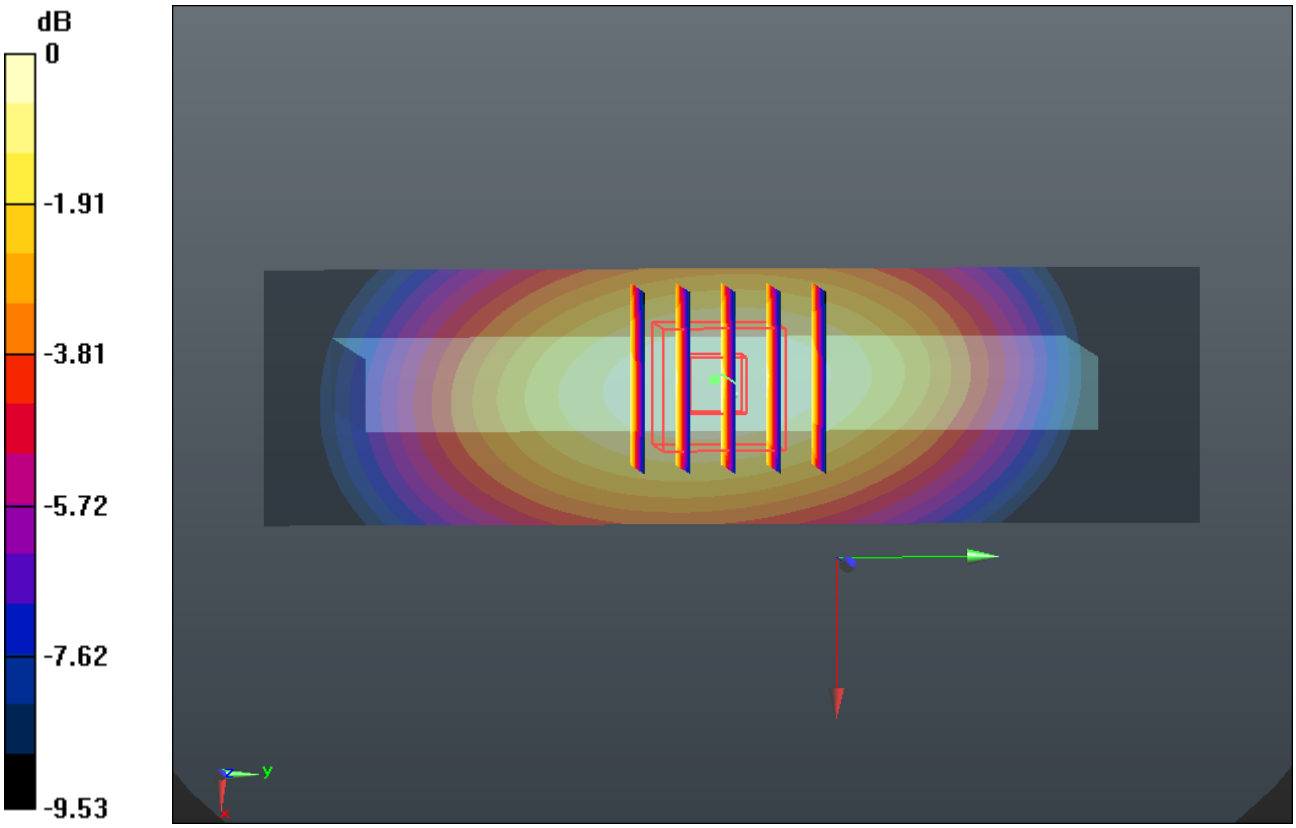
DUT: 241902

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.778 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.328 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.023 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.506 mW/g
Maximum value of SAR (measured) = 0.775 mW/g



0 dB = 0.770mW/g

#18 CDMA2000 BC0_RTAP153.6_Bottom Side_1cm_Ch1013

DUT: 241902

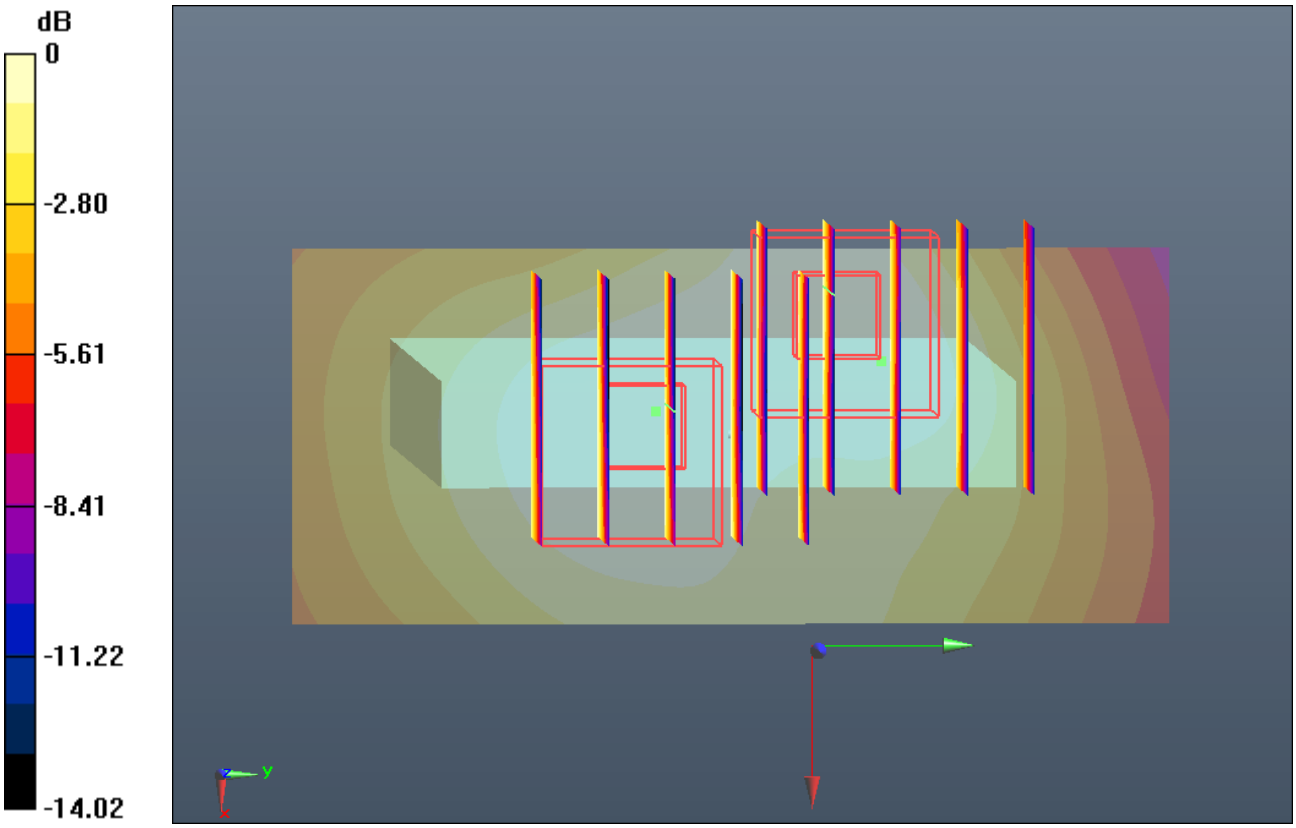
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.053 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.994 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.058 mW/g

Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.994 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.082 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.050mW/g

#19 CDMA2000 BC0_RTAP153.6_Back_1cm_Ch384

DUT: 241902

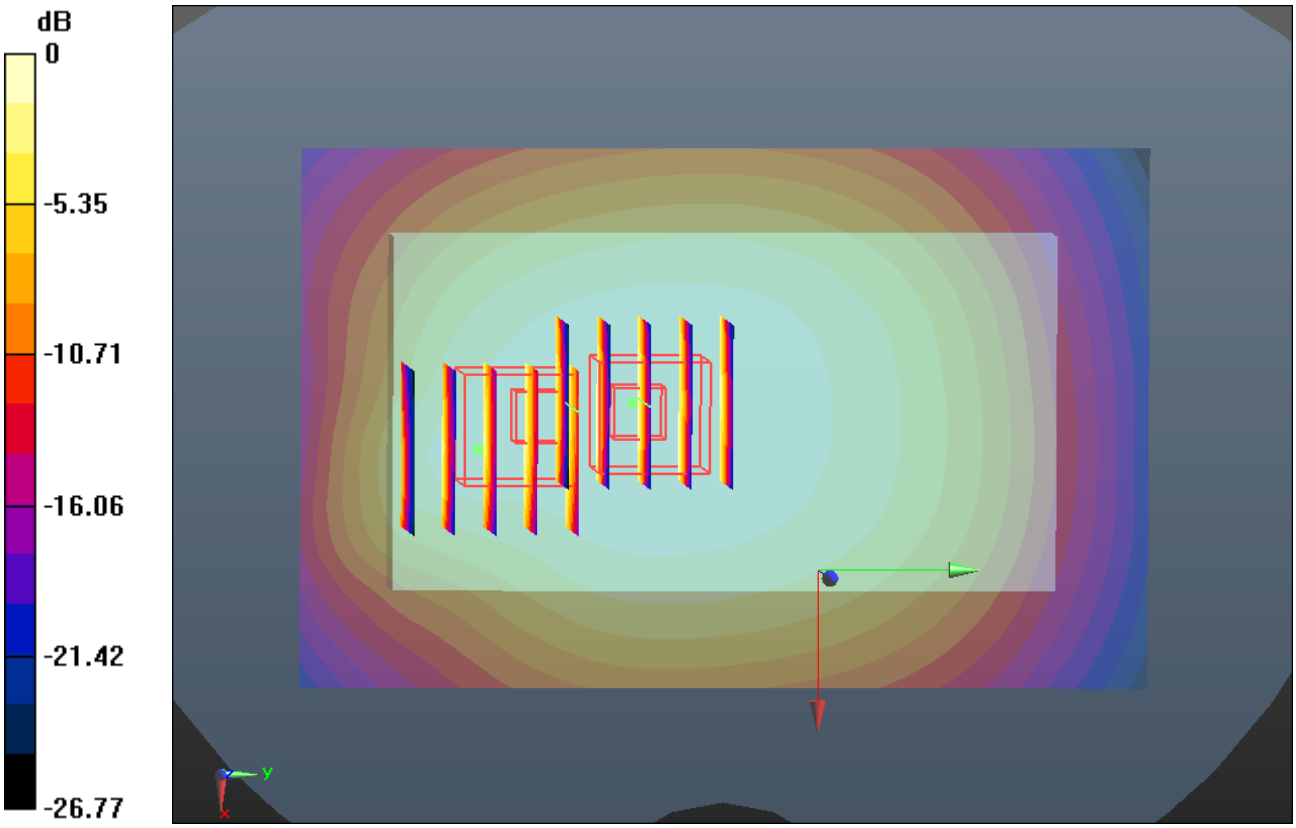
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 837 MHz; σ = 0.976 mho/m; ε_r = 54.233; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch384/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.984 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.554 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.167 W/kg
SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.716 mW/g
Maximum value of SAR (measured) = 0.977 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.554 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.168 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.564 mW/g
Maximum value of SAR (measured) = 0.900 mW/g



0 dB = 0.980mW/g

#20 CDMA2000 BC0_RTAP153.6_Back_1cm_Ch777

DUT: 241902

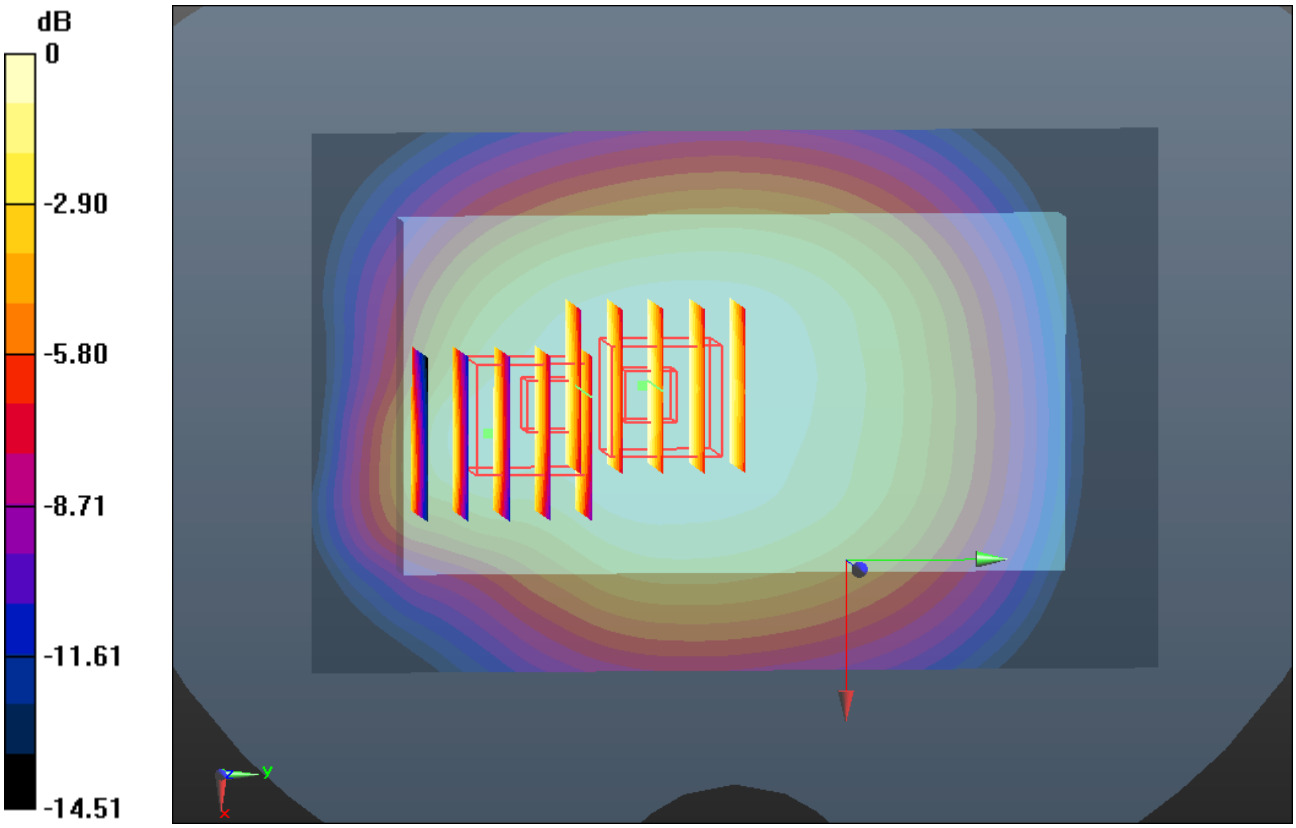
Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 848.31 MHz; σ = 0.987 mho/m; ε_r = 54.133; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch777/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.908 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.493 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.088 W/kg
SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.663 mW/g
Maximum value of SAR (measured) = 0.909 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.493 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.114 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.516 mW/g
Maximum value of SAR (measured) = 0.831 mW/g



0 dB = 0.830mW/g

#21 CDMA2000 BC0_RC3 SO32_Back_1cm_Ch1013_Earphone

DUT: 241902

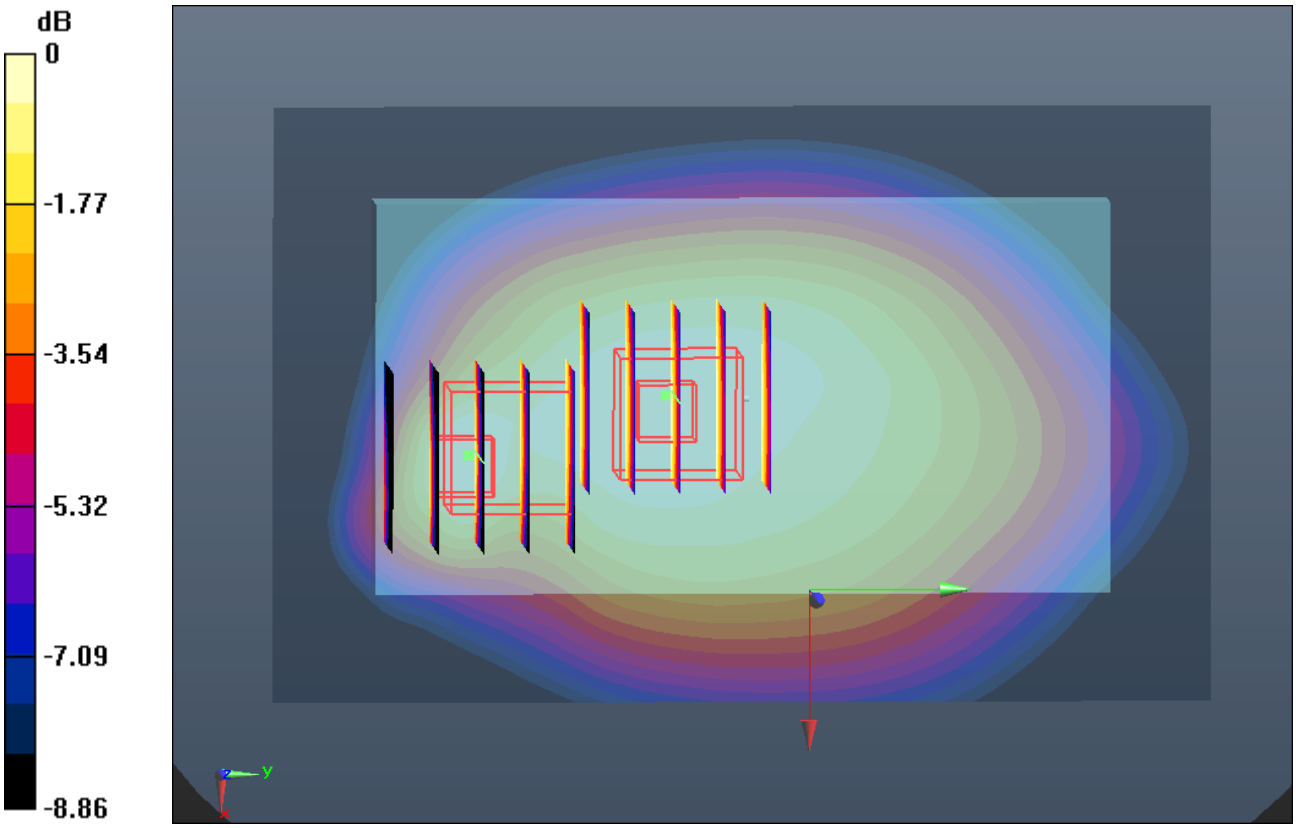
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_120514 Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 54.324; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.694 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.472 V/m; Power Drift = -0.0018 dB
Peak SAR (extrapolated) = 0.985 W/kg
SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 0.652 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.472 V/m; Power Drift = -0.0018 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.477 mW/g
Maximum value of SAR (measured) = 0.651 mW/g



0 dB = 0.650mW/g

#22 CDMA2000 BC1_RTAP153.6_Front_1cm_Ch25

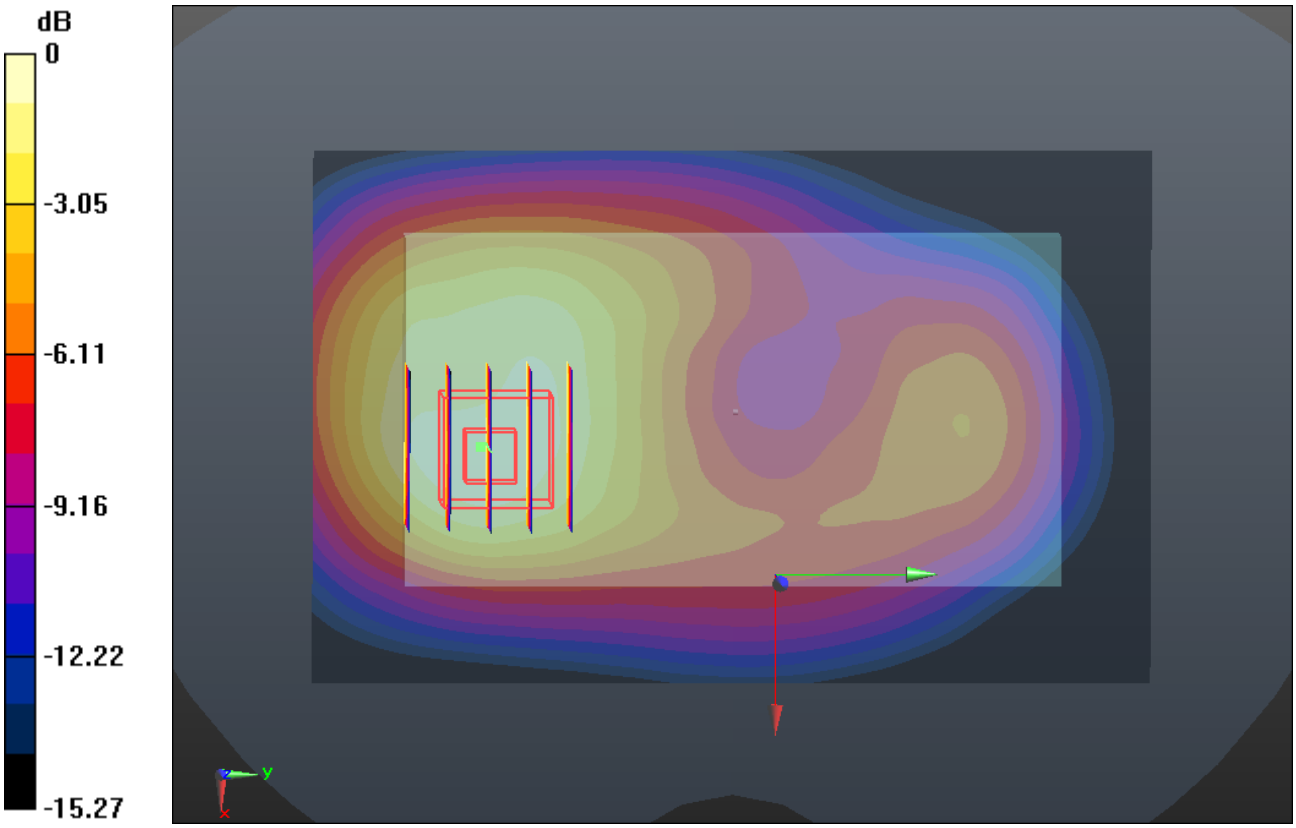
DUT: 241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.921 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.018 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.392 W/kg
SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.528 mW/g
Maximum value of SAR (measured) = 0.926 mW/g



0 dB = 0.930mW/g

#23 CDMA2000 BC1_RTAP153.6_Back_1cm_Ch25

DUT: 241902

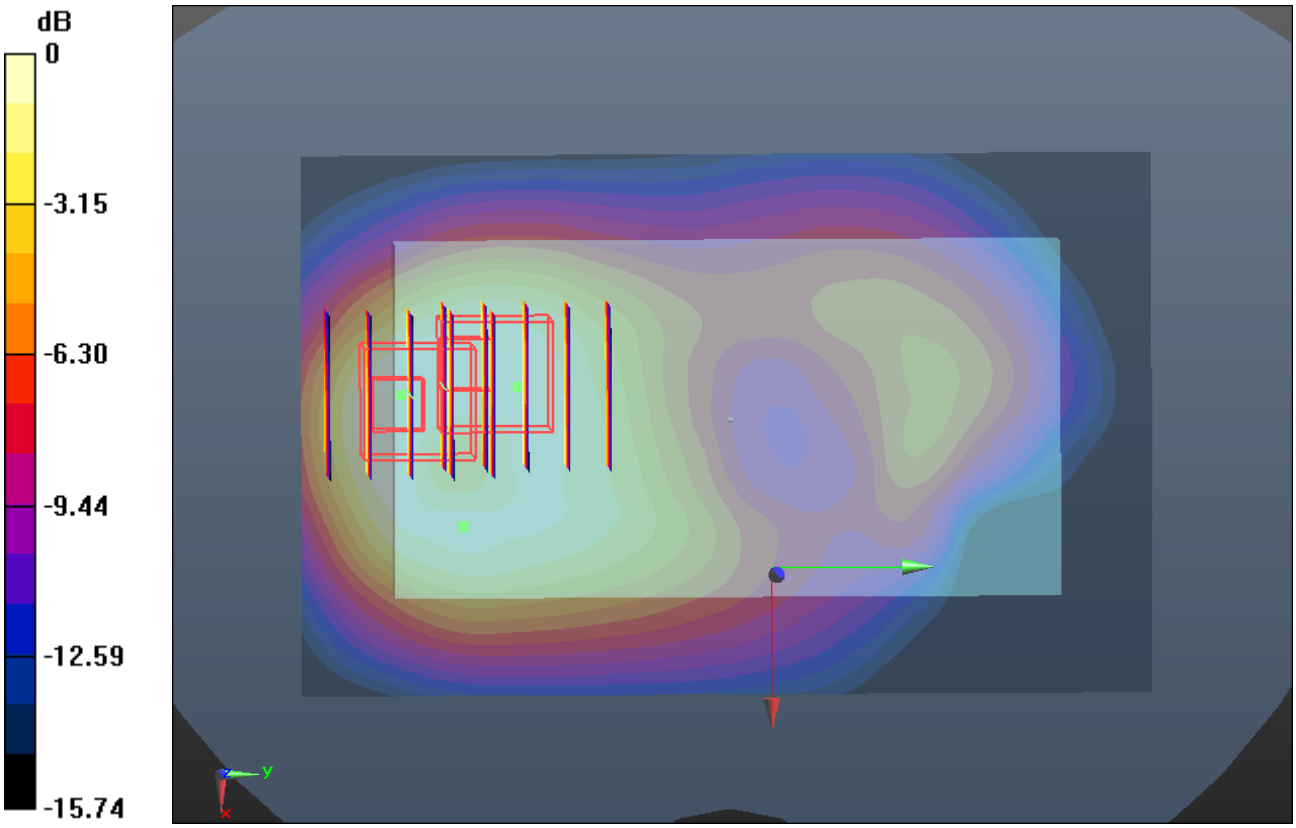
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.164 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.821 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.742 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.567 mW/g
Maximum value of SAR (measured) = 1.137 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.821 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.513 W/kg
SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 1.002 mW/g



0 dB = 1.000mW/g

#24 CDMA2000 BC1_RTAP153.6_Left Side_1cm_Ch25

DUT: 241902

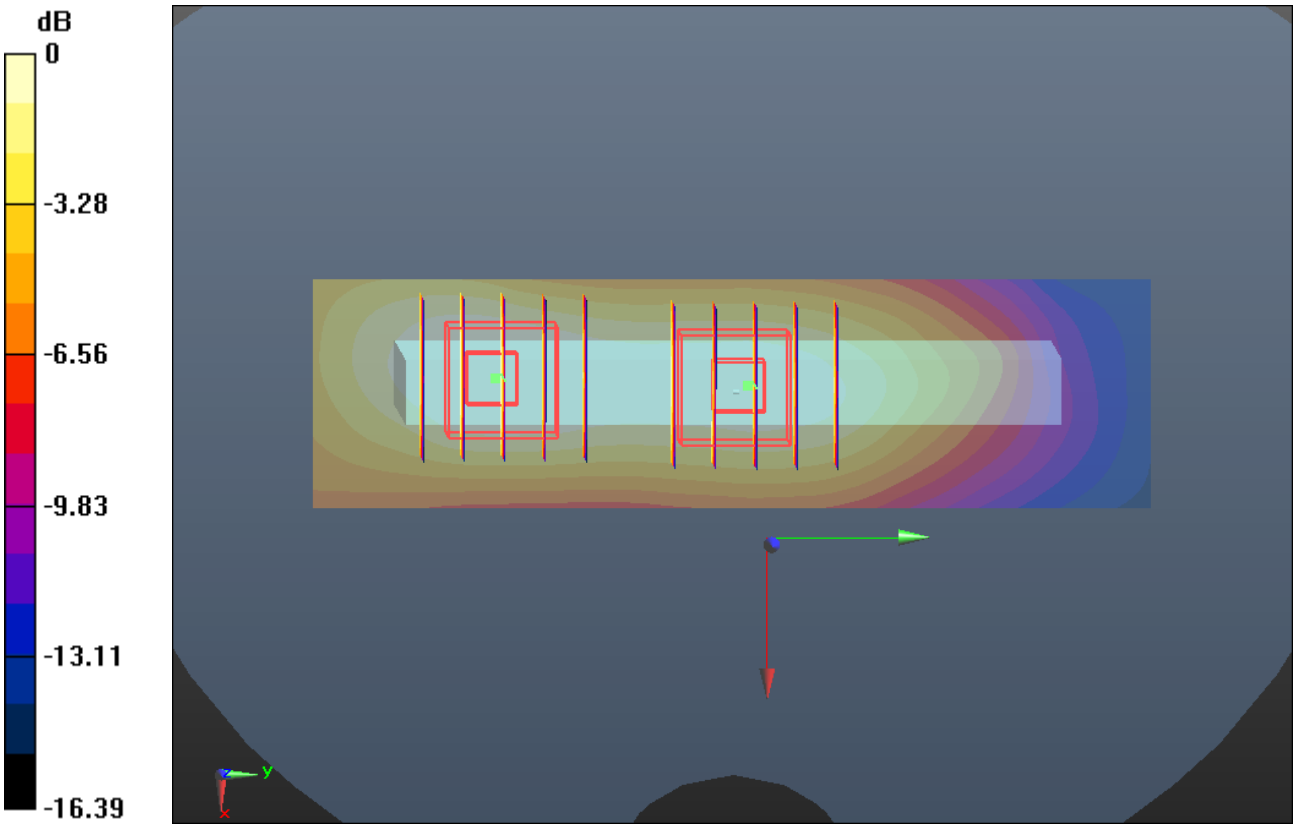
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.353 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.971 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.364 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.971 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.291 mW/g



0 dB = 0.290mW/g

#25 CDMA2000 BC1_RTAP153.6_Right Side_1cm_Ch25

DUT: 241902

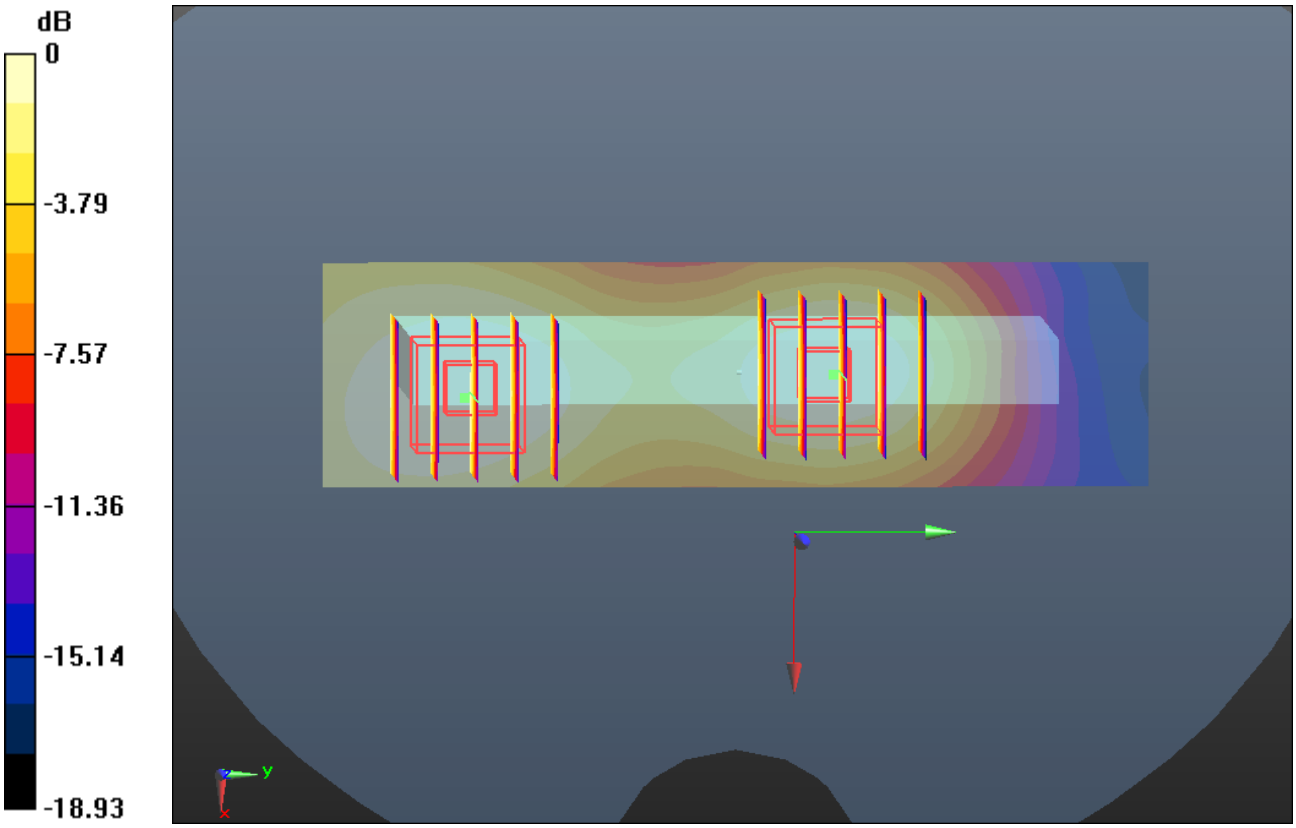
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.386 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.309 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.386 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.290mW/g

#26 CDMA2000 BC1_RTAP153.6_Bottom Side_1cm_Ch25

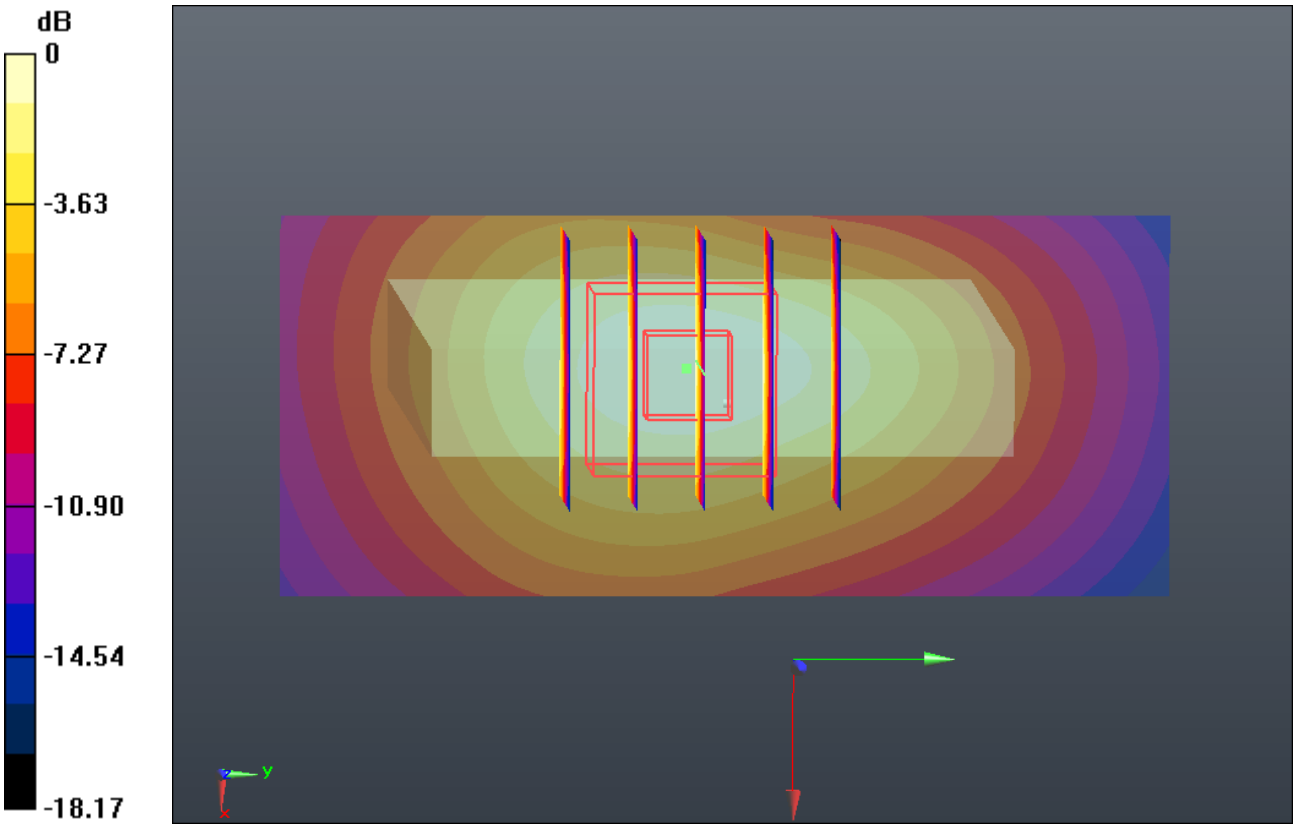
DUT: 241902

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.945 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.284 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.458 W/kg
SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.485 mW/g
Maximum value of SAR (measured) = 0.953 mW/g



0 dB = 0.950mW/g

#27 CDMA2000 BC1_RTAP153.6_Front_1cm_Ch600

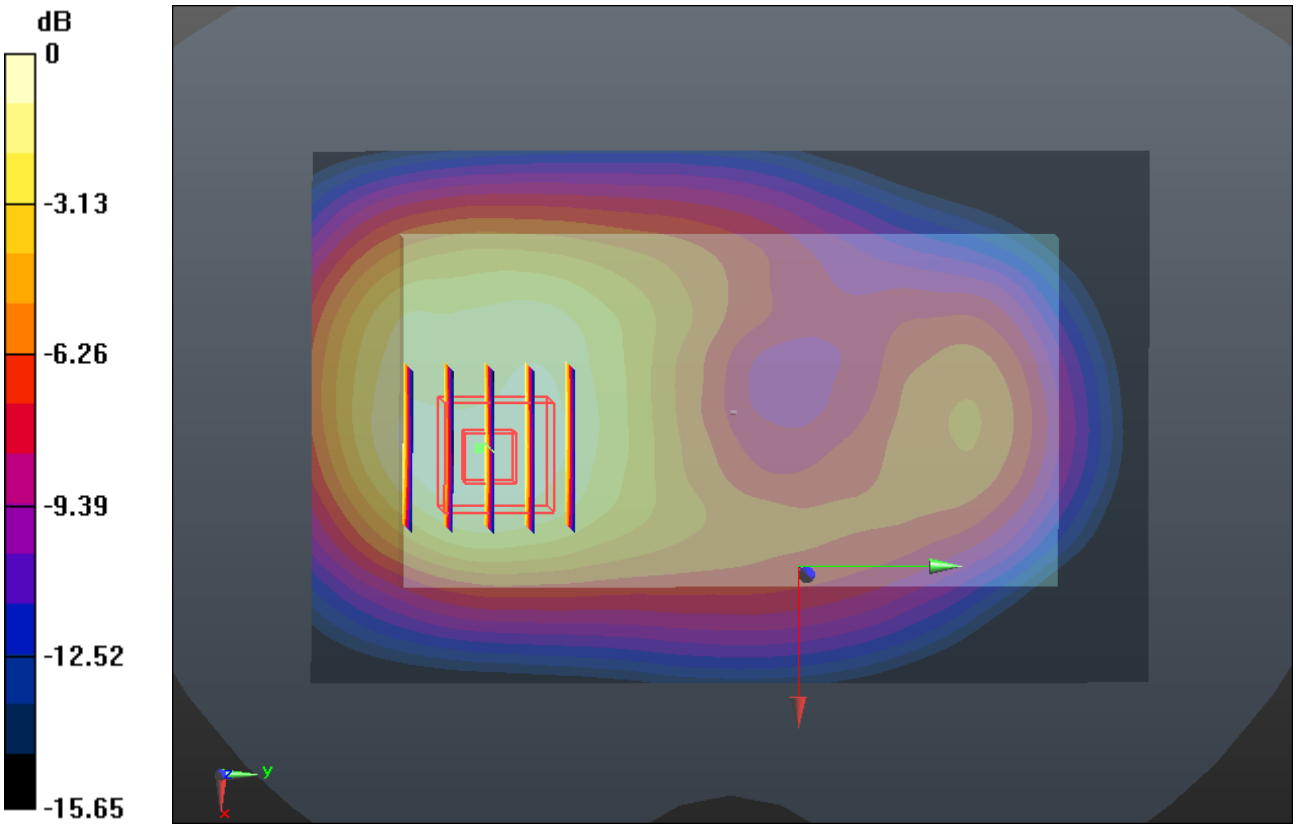
DUT: 241902

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.932 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.400 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.412 W/kg
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.529 mW/g
Maximum value of SAR (measured) = 0.925 mW/g



0 dB = 0.930mW/g

#28 CDMA2000 BC1_RTAP153.6_Front_1cm_Ch1175

DUT: 241902

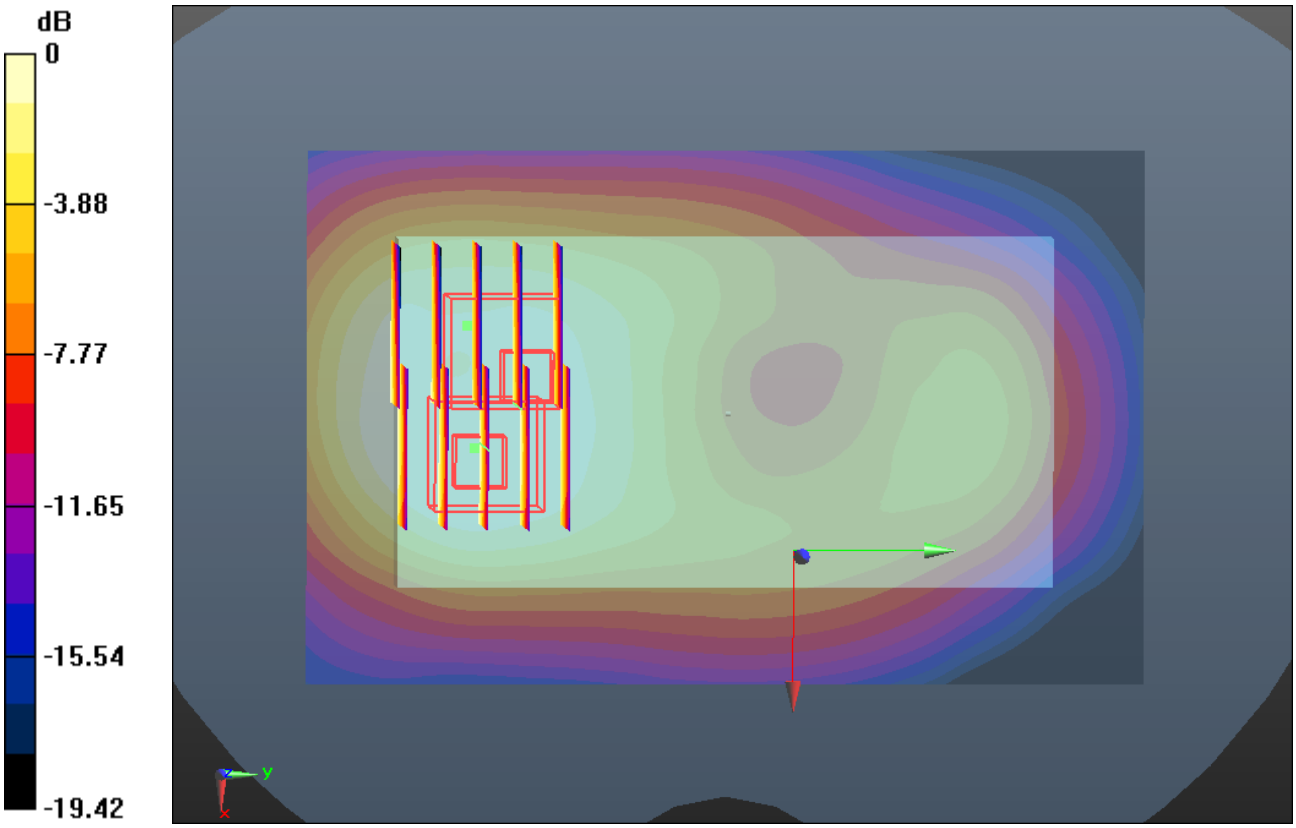
Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1909 MHz; σ = 1.556 mho/m; ε_r = 53.786; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.947 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.575 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.429 W/kg
SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 0.920 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.575 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.259 W/kg
SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.393 mW/g
Maximum value of SAR (measured) = 0.810 mW/g



0 dB = 0.810mW/g

#29 CDMA2000 BC1_RTAP153.6_Back_1cm_Ch600

DUT: 241902

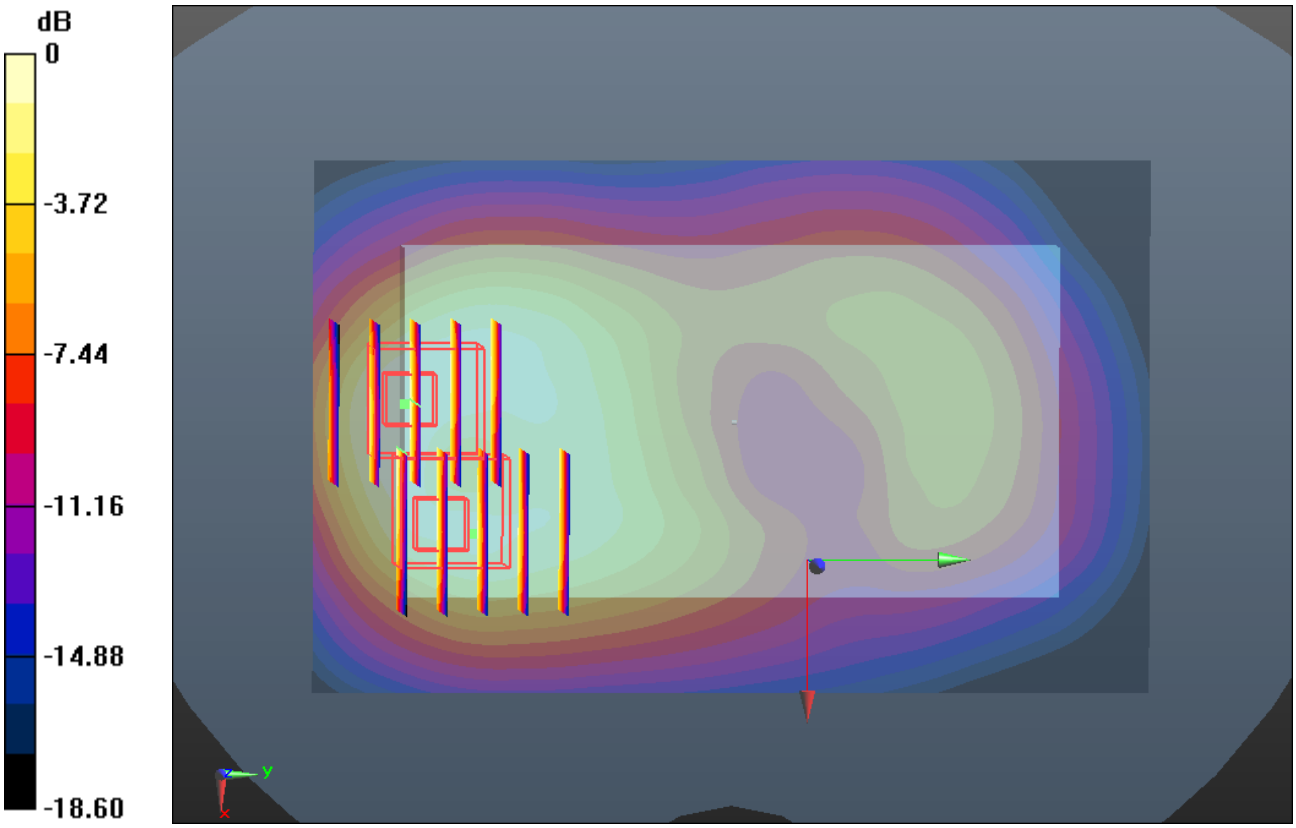
Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.202 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.829 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.850 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.590 mW/g
Maximum value of SAR (measured) = 1.213 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.829 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.668 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.493 mW/g
Maximum value of SAR (measured) = 1.081 mW/g



0 dB = 1.080mW/g

#30 CDMA2000 BC1_RTAP153.6_Back_1cm_Ch1175

DUT: 241902

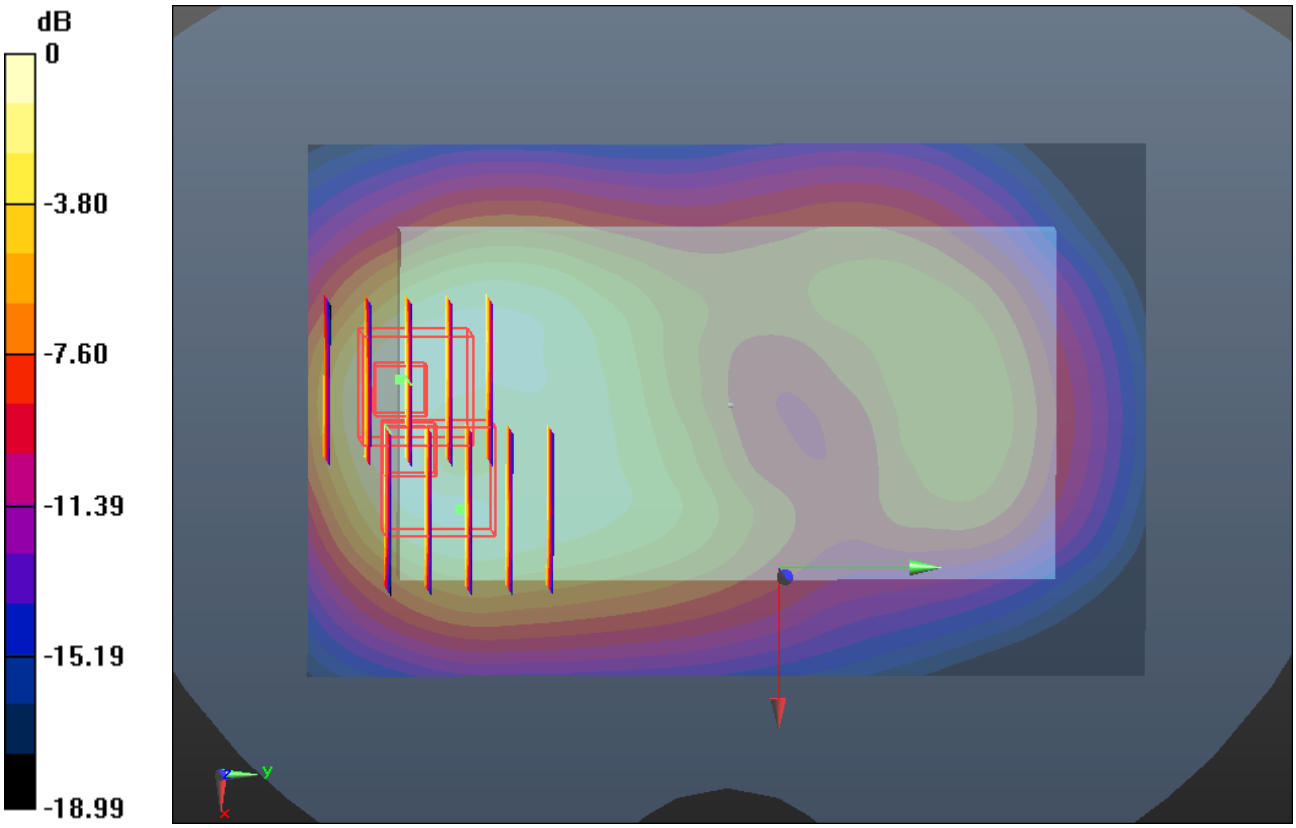
Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1909 MHz; σ = 1.556 mho/m; ε_r = 53.786; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.371 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.869 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.098 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.657 mW/g
Maximum value of SAR (measured) = 1.350 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.869 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.935 W/kg
SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.546 mW/g
Maximum value of SAR (measured) = 1.224 mW/g



0 dB = 1.220mW/g

#31 CDMA2000 BC1_RTAP153.6_Bottom Side_1cm_Ch600

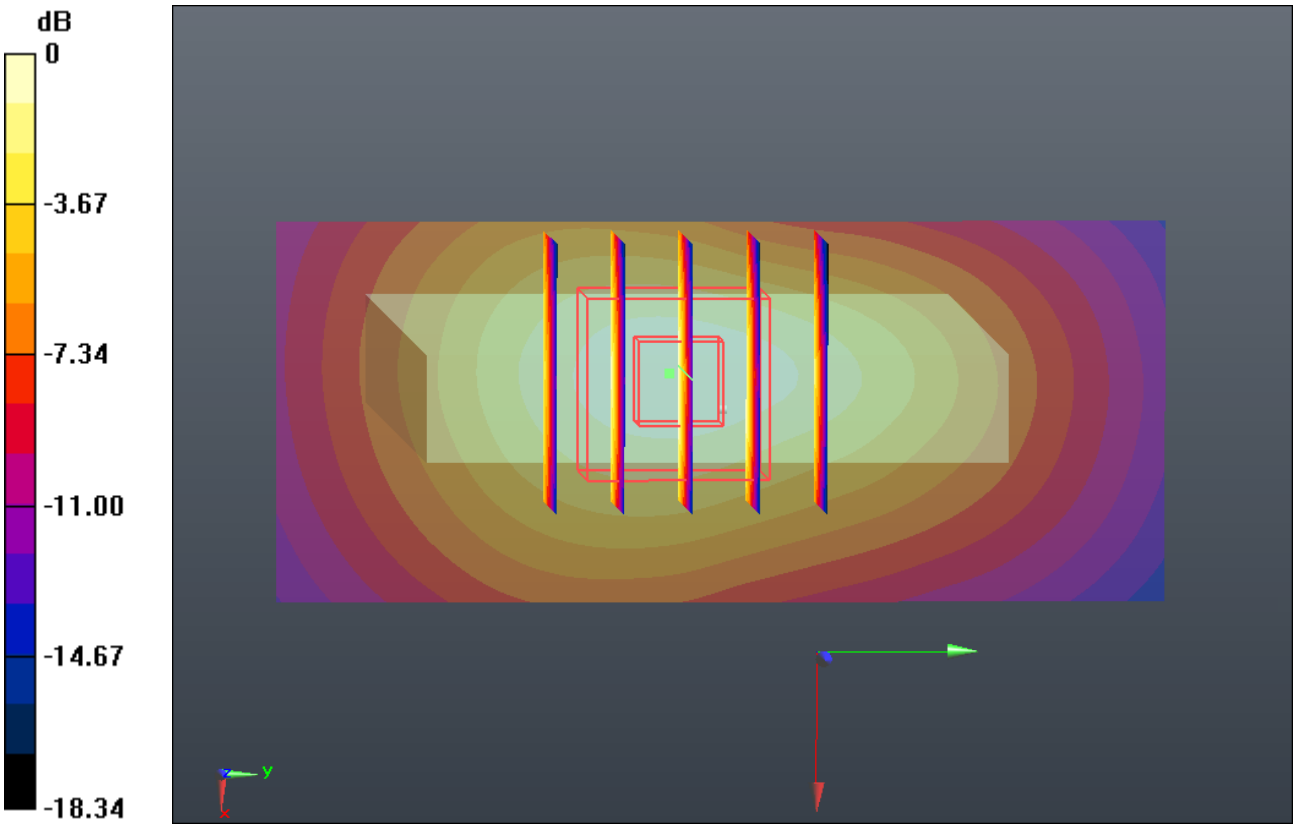
DUT: 241902

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.933 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.990 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.490 W/kg
SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.484 mW/g
Maximum value of SAR (measured) = 0.961 mW/g



0 dB = 0.960mW/g

#32 CDMA2000 BC1_RTAP153.6_Bottom Side_1cm_Ch1175

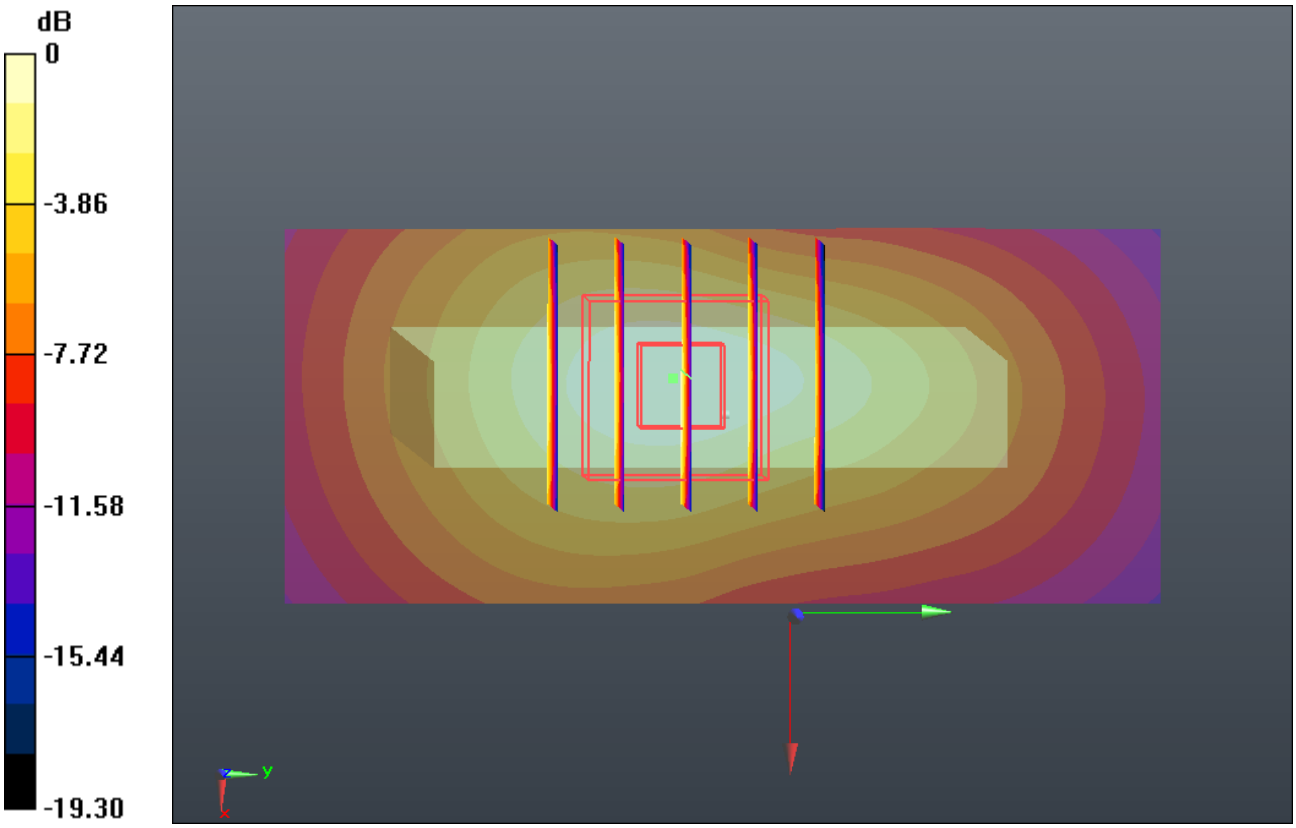
DUT: 241902

Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1909 MHz; σ = 1.556 mho/m; ε_r = 53.786; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.051 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.966 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.657 W/kg
SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.523 mW/g
Maximum value of SAR (measured) = 1.057 mW/g



0 dB = 1.060mW/g

#33 CDMA2000 BC1_RC3+SO32_Back_1cm_Ch1175_Earphone

DUT: 241902

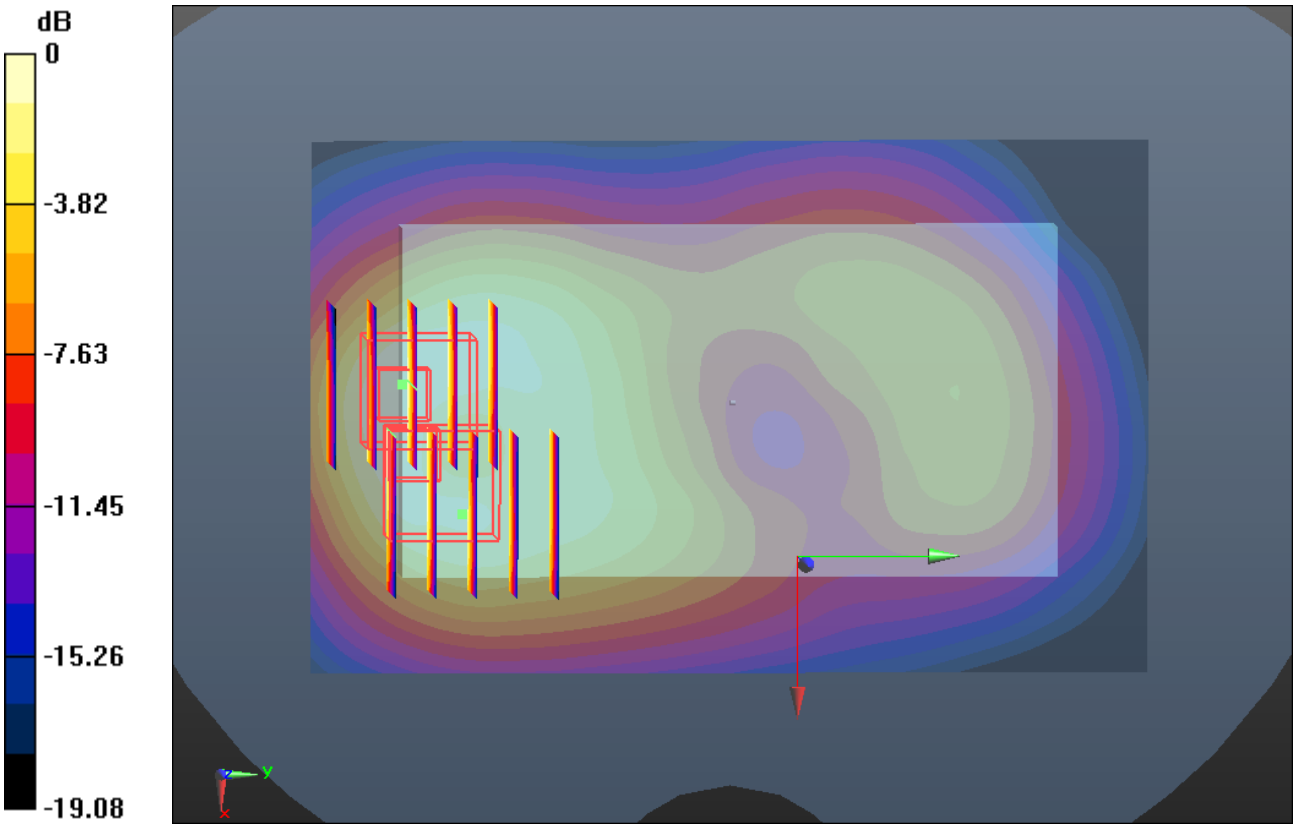
Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1909 MHz; σ = 1.556 mho/m; ε_r = 53.786; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.346 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.579 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.126 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.660 mW/g
Maximum value of SAR (measured) = 1.359 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.579 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.982 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.533 mW/g
Maximum value of SAR (measured) = 1.243 mW/g



0 dB = 1.240mW/g

#33 CDMA2000 BC1_RC3+SO32_Back_1cm_Ch1175_Earphone_2D

DUT: 241902

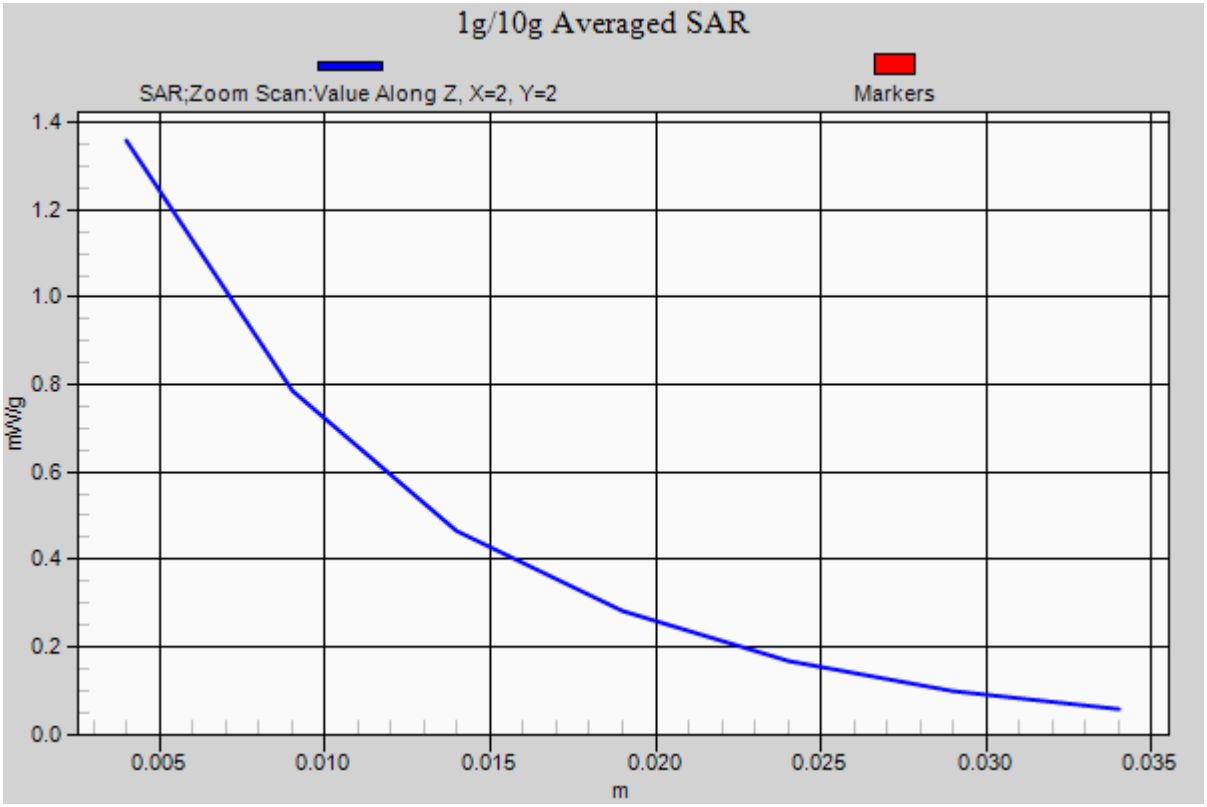
Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1909 MHz; σ = 1.556 mho/m; ε_r = 53.786; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.346 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.579 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.126 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.660 mW/g
Maximum value of SAR (measured) = 1.359 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.579 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.982 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.533 mW/g
Maximum value of SAR (measured) = 1.243 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#34 CDMA2000 BC1_RC3+SO32_Back_1cm_Ch25_Earphone

DUT: 241902

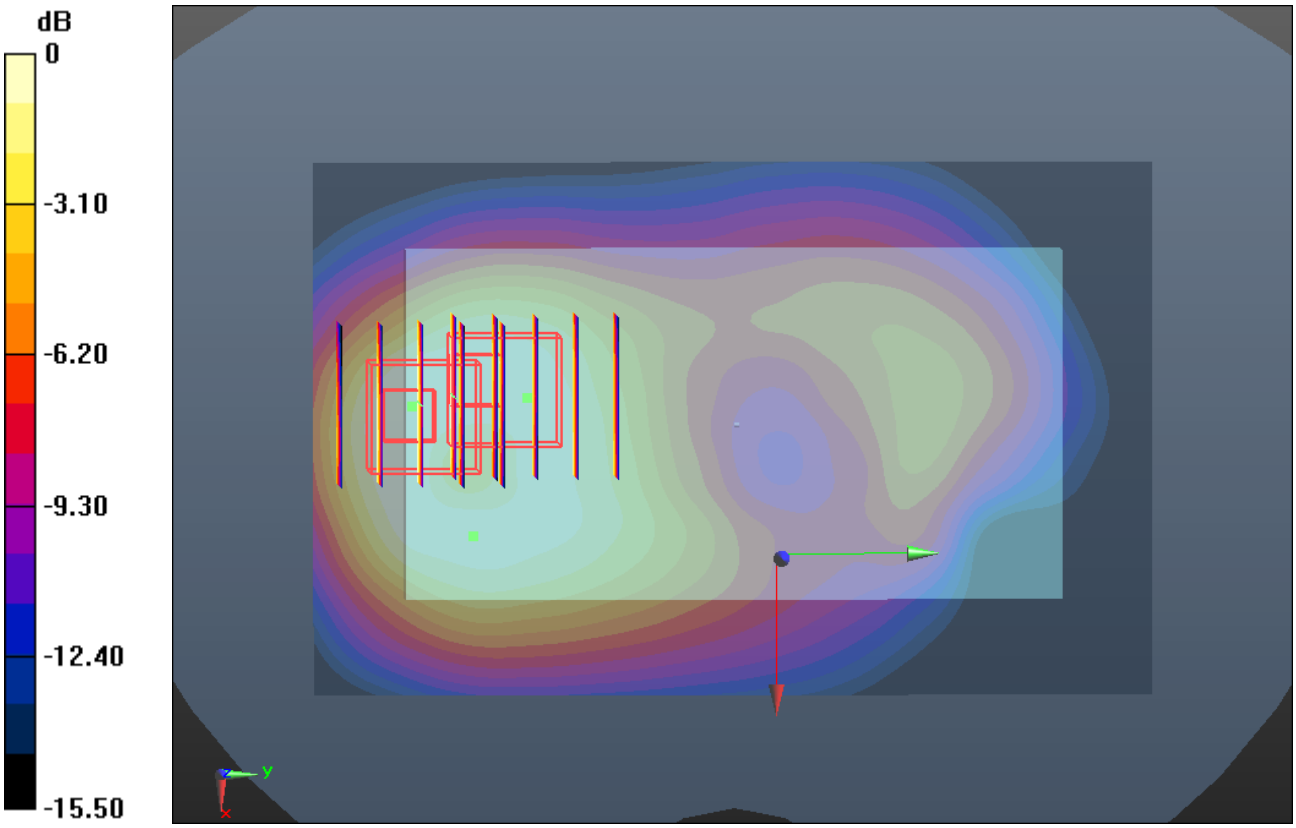
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1851.25 MHz; σ = 1.49 mho/m; ε_r = 53.878; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.112 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.381 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.731 W/kg
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.556 mW/g
Maximum value of SAR (measured) = 1.116 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.381 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.448 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.516 mW/g
Maximum value of SAR (measured) = 0.966 mW/g



0 dB = 0.970mW/g

#35 CDMA2000 BC1_RC3+SO32_Back_1cm_Ch600_Earphone

DUT: 241902

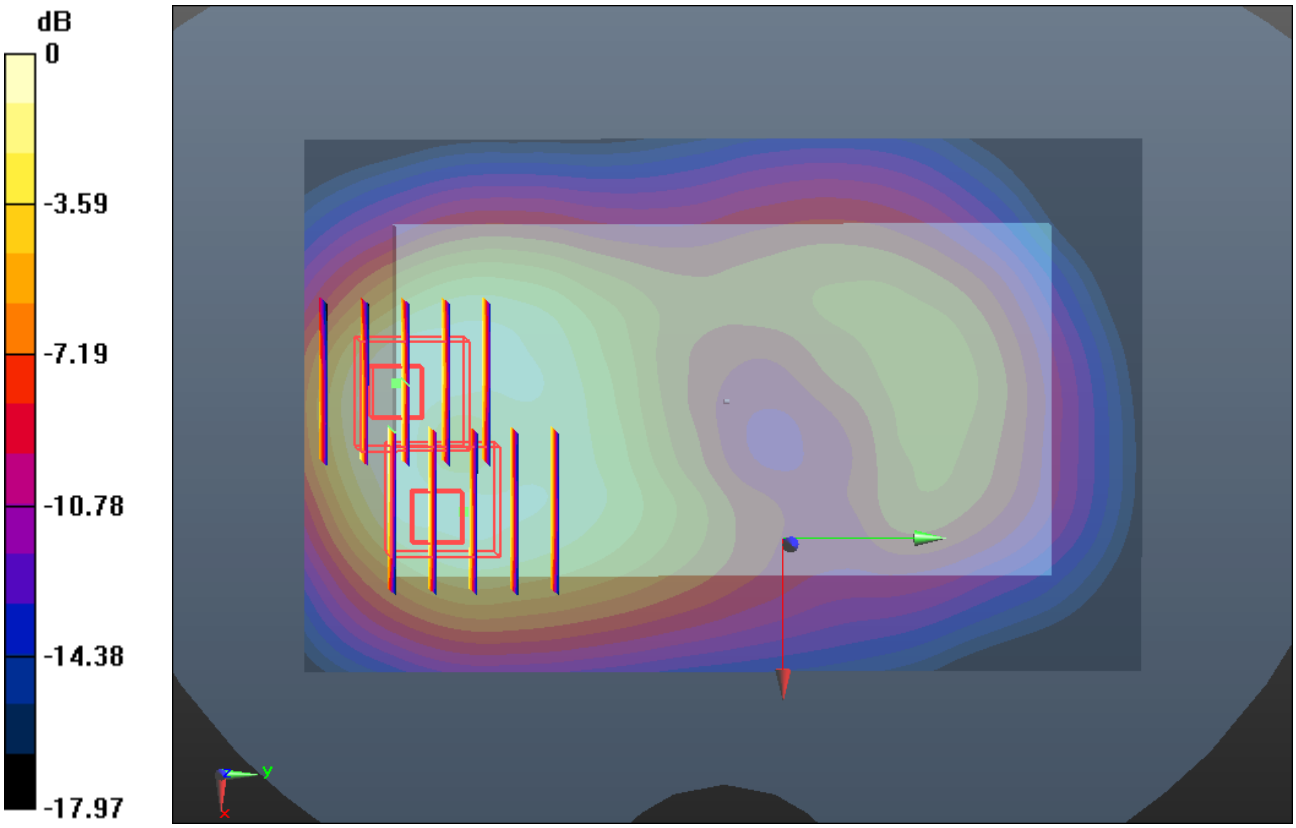
Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.165 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.387 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.736 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.570 mW/g
Maximum value of SAR (measured) = 1.145 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.387 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.652 W/kg
SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.484 mW/g
Maximum value of SAR (measured) = 1.076 mW/g



0 dB = 1.080mW/g

#42 CDMA2000 BC14_RTAP153.6_Front_1cm_Ch1275

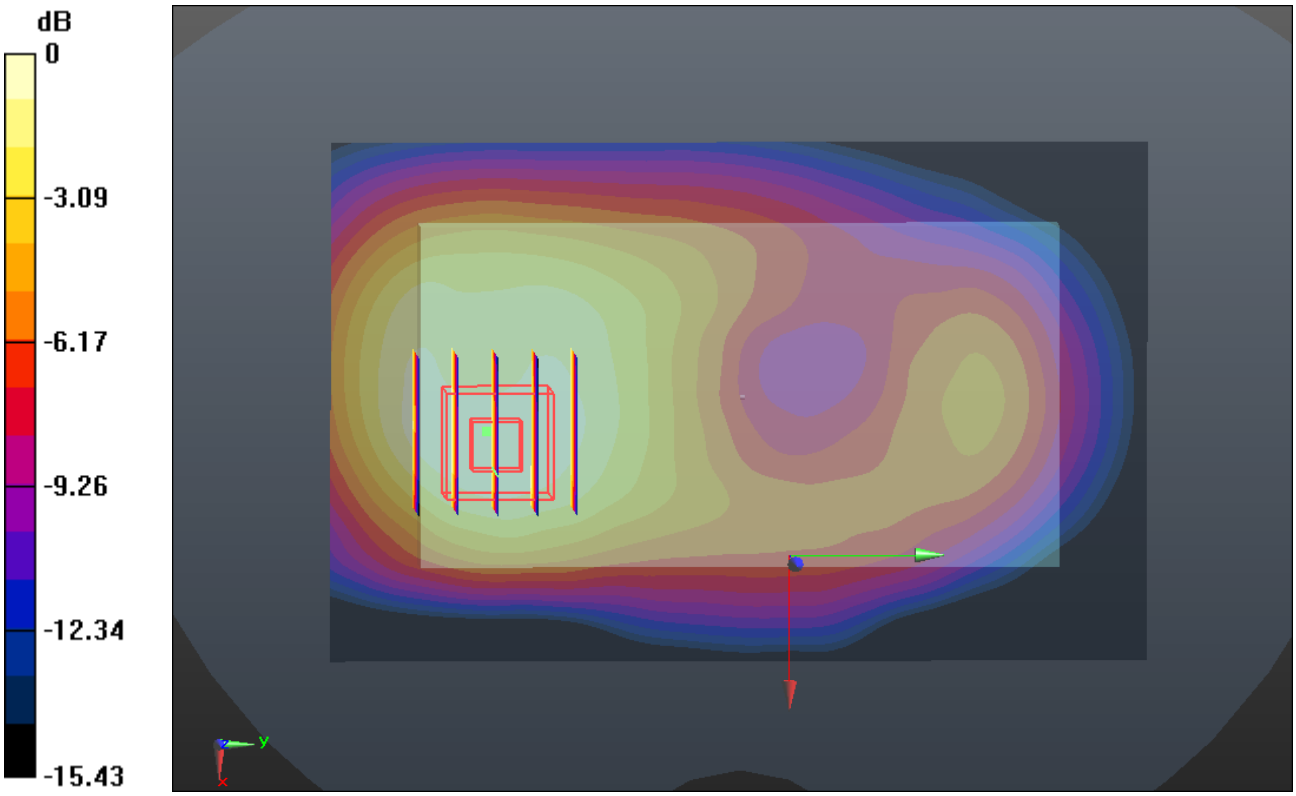
DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.916 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.487 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.388 W/kg
SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.516 mW/g
Maximum value of SAR (measured) = 0.891 mW/g



0 dB = 0.890mW/g

#43 CDMA2000 BC14_RTAP153.6_Back_1cm_Ch1275

DUT: 241902

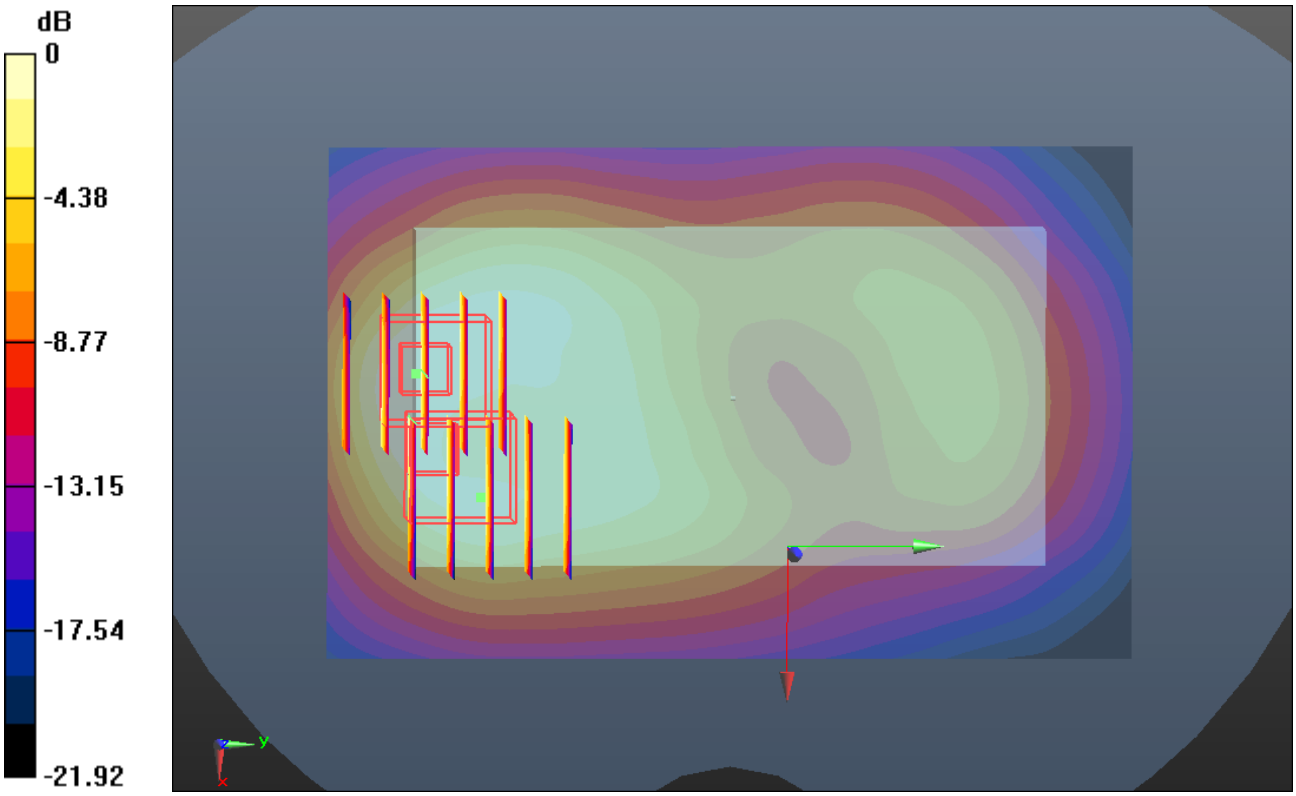
Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.504 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.709 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.303 W/kg
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.710 mW/g
Maximum value of SAR (measured) = 1.483 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.709 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.065 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.574 mW/g
Maximum value of SAR (measured) = 1.293 mW/g



0 dB = 1.290mW/g

#43 CDMA2000 BC14_RTAP153.6_Back_1cm_Ch1275_2D

DUT: 241902

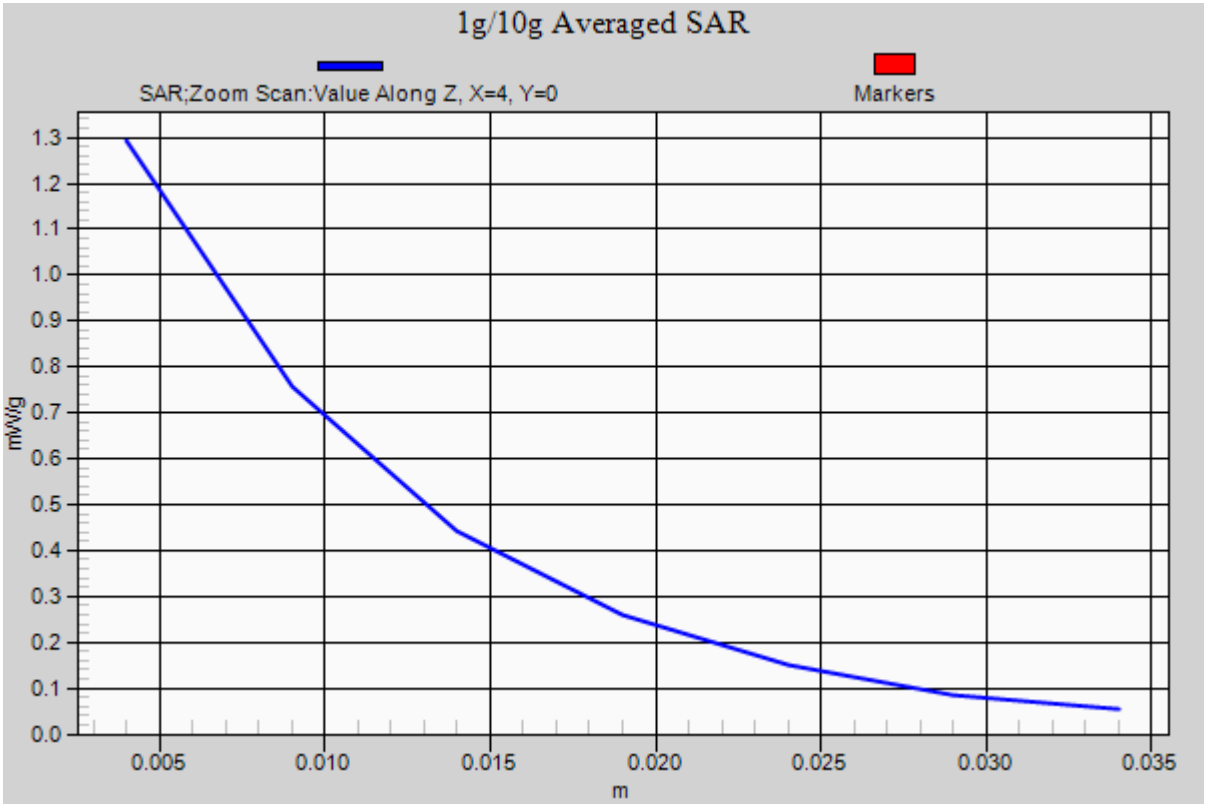
Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.504 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.709 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.303 W/kg
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.710 mW/g
Maximum value of SAR (measured) = 1.483 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.709 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.065 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.574 mW/g
Maximum value of SAR (measured) = 1.293 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=4, Y=0
Markers
mW/g
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#44 CDMA2000 BC14_RTAP153.6_Left Side_1cm_Ch1275

DUT: 241902

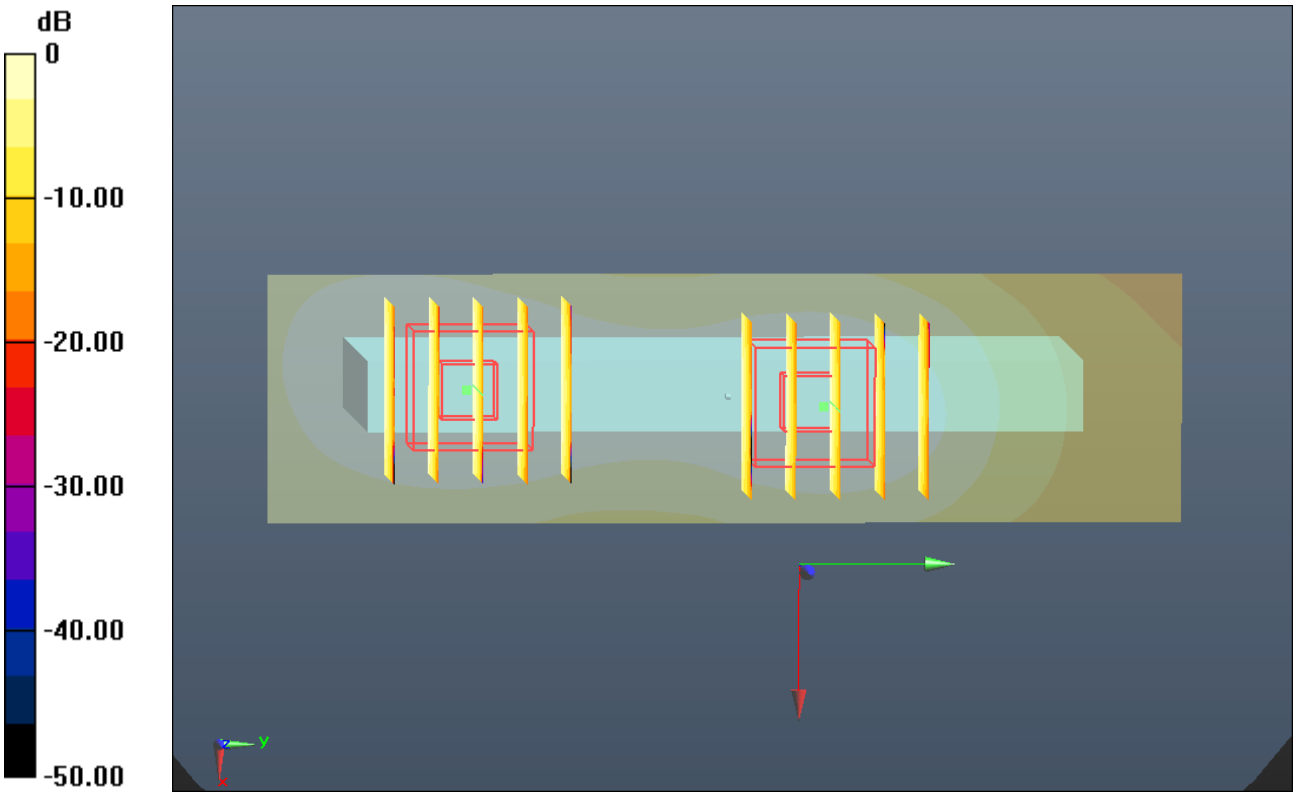
Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.439 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.438 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.704 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.228 mW/g
Maximum value of SAR (measured) = 0.450 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.438 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.333 mW/g



0 dB = 0.330mW/g

#45 CDMA2000 BC14_RTAP153.6_Right Side_1cm_Ch1275

DUT: 241902

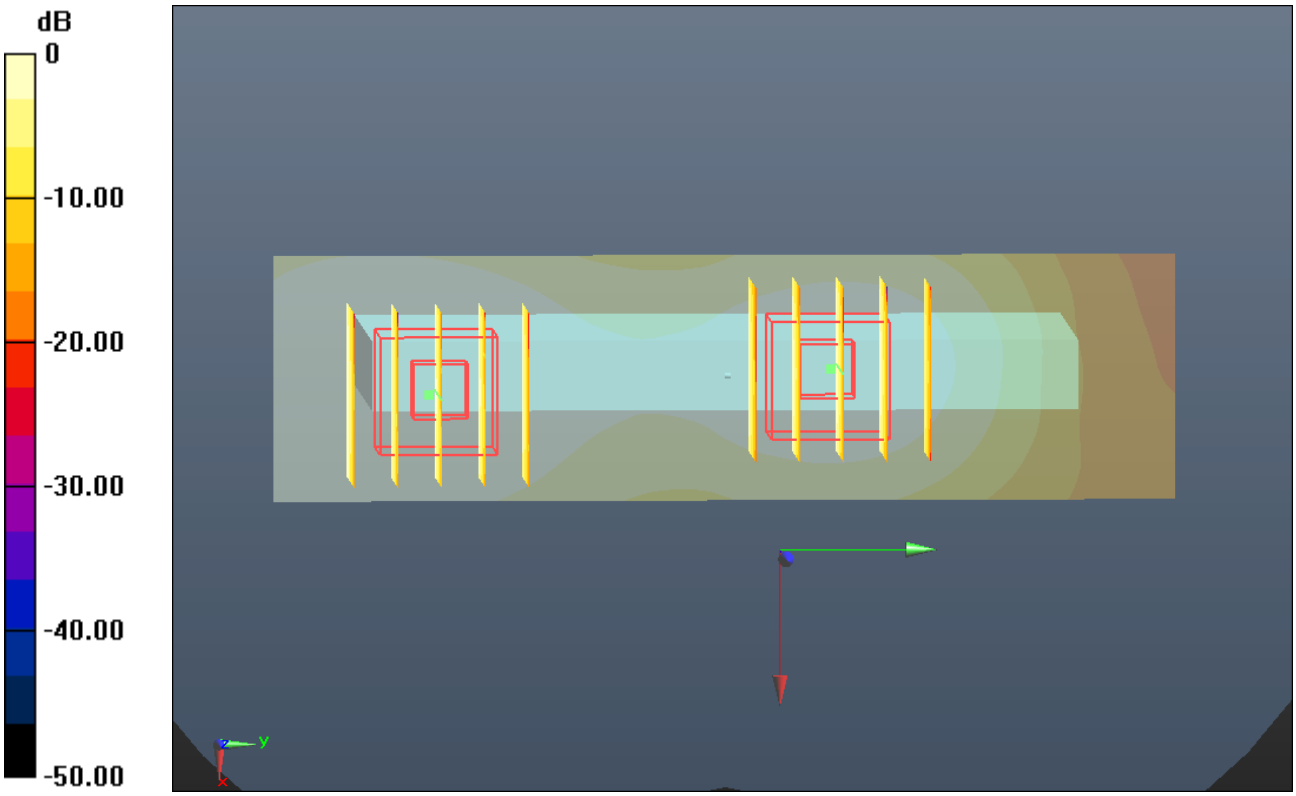
Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.326 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.870 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.513 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.338 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.870 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.458 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.300 mW/g



0 dB = 0.300mW/g

#46 CDMA2000 BC14_RTAP153.6_Bottom Side_1cm_Ch1275

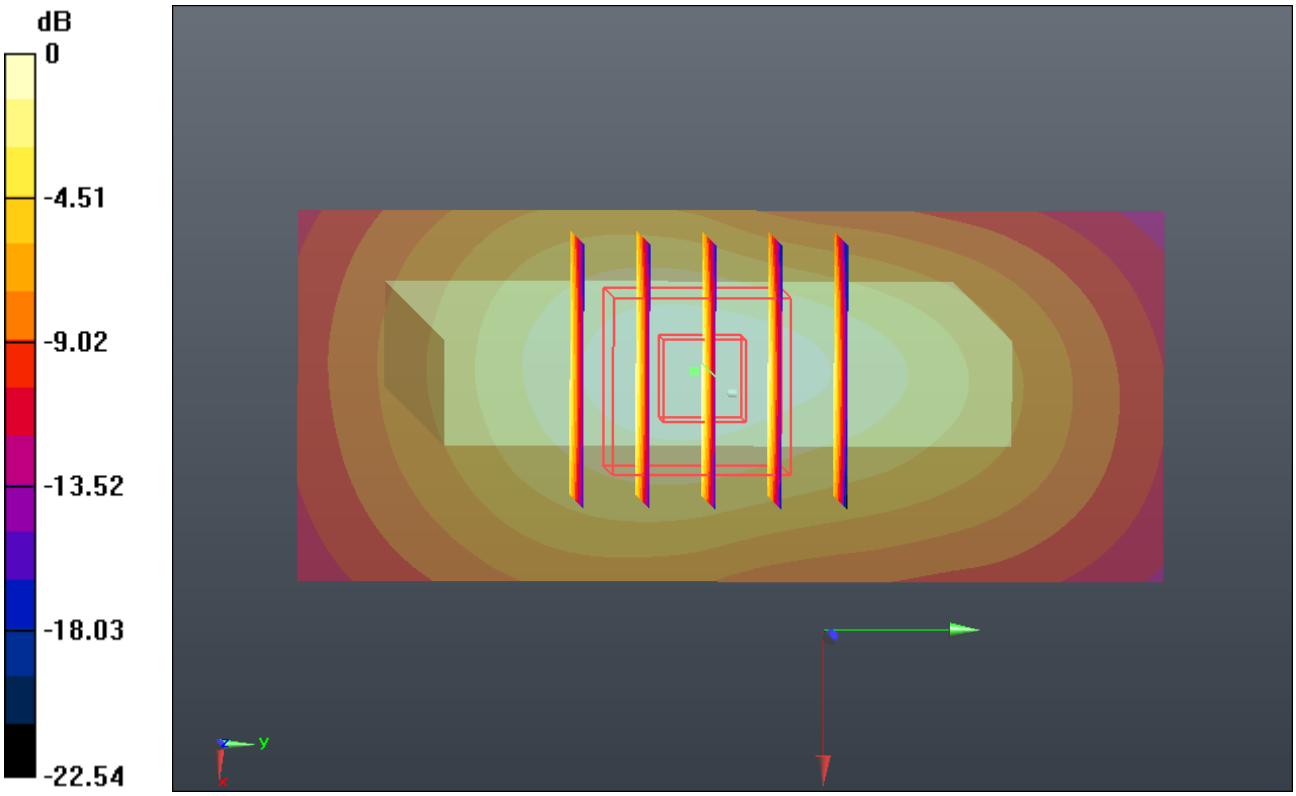
DUT: 241902

Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.071 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.802 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.711 W/kg
SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.542 mW/g
Maximum value of SAR (measured) = 1.100 mW/g



0 dB = 1.100mW/g

#36 CDMA2000 BC14_RC3+SO32_Back_1cm_Ch1275_Earphone

DUT: 241902

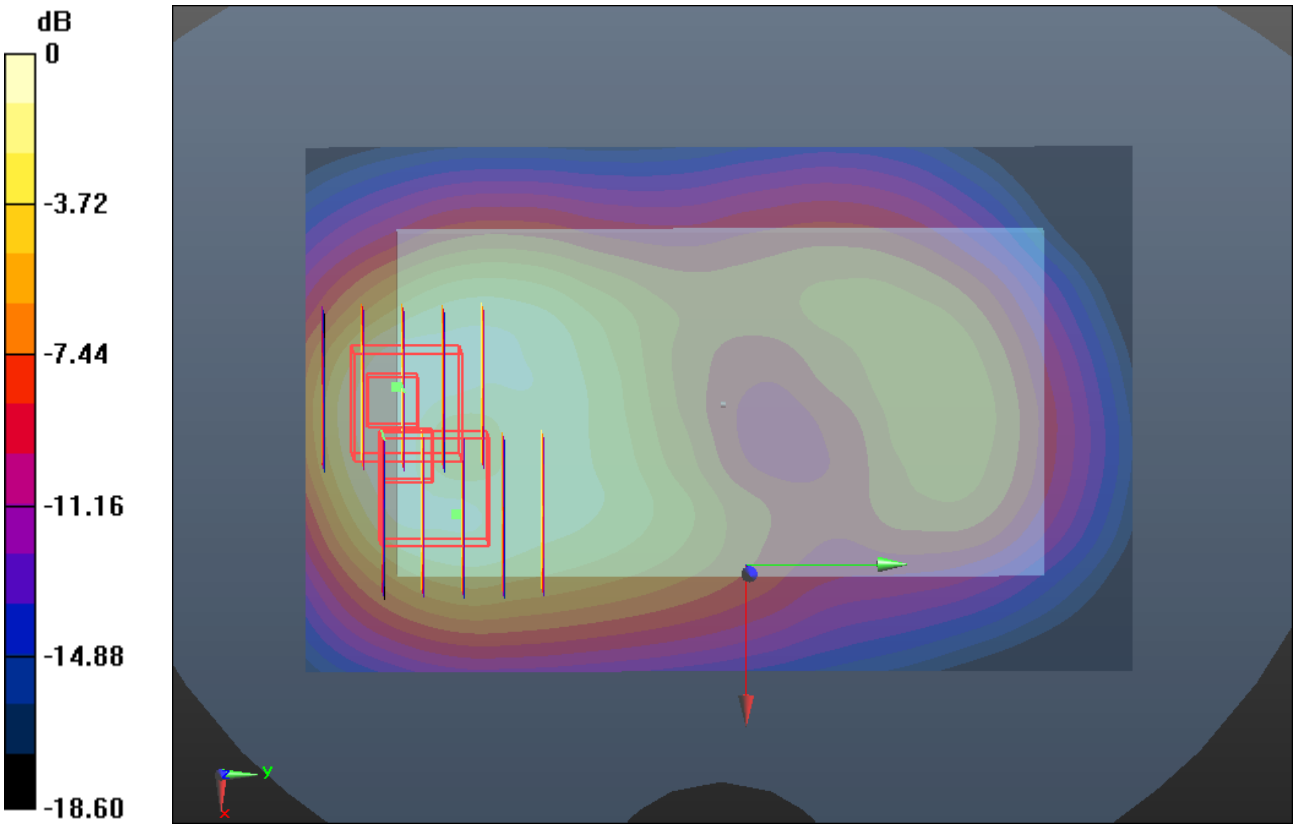
Communication System: CDMA2000; Frequency: 1913.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120514 Medium parameters used: f = 1913.75 MHz; σ = 1.561 mho/m; ε_r = 53.777; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1275/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.409 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.351 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.198 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.682 mW/g
Maximum value of SAR (measured) = 1.399 mW/g

Ch1275/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.351 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.089 W/kg
SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 1.307 mW/g



0 dB = 1.310mW/g

#37 802.11b_Front_1cm_1M_Ch11

DUT: 241902

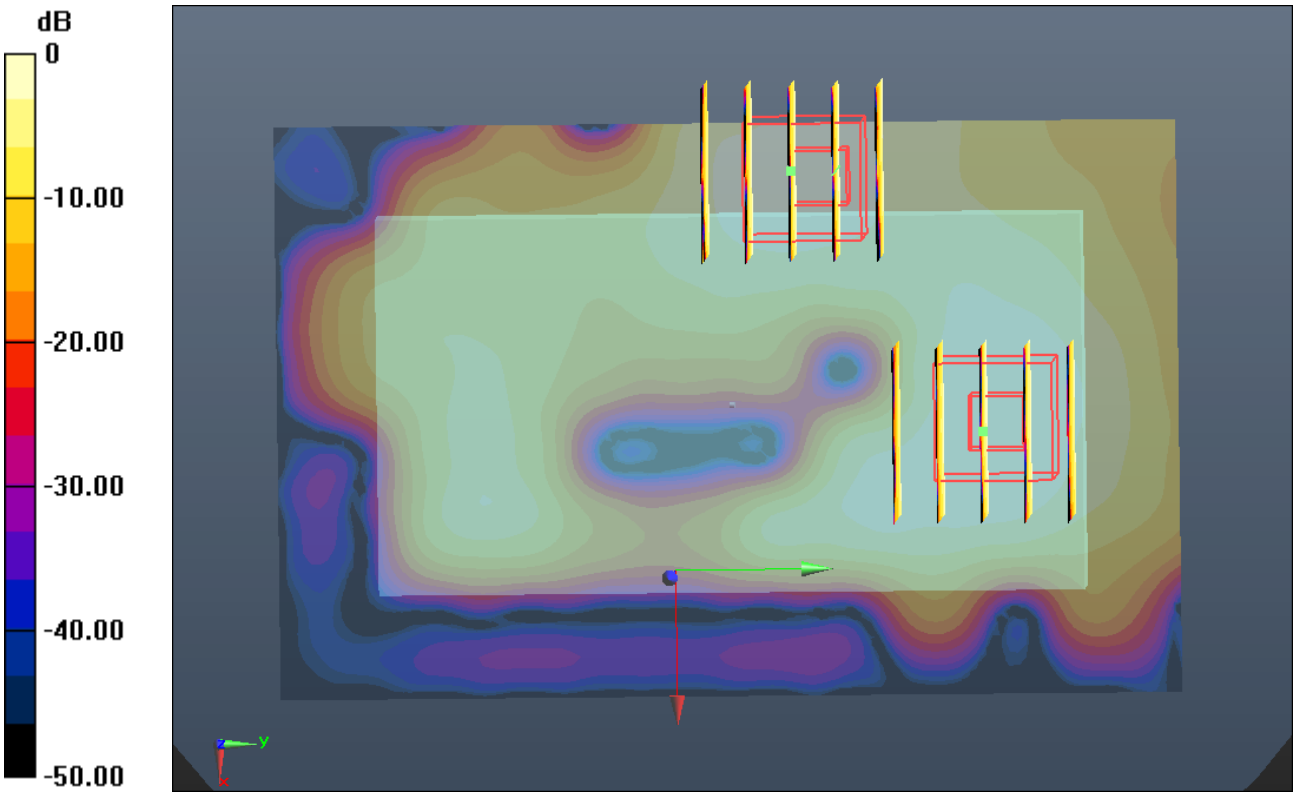
Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.055 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.610 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.050 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.610 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.055 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.050mW/g

#38 802.11b_Back_1cm_1M_Ch11

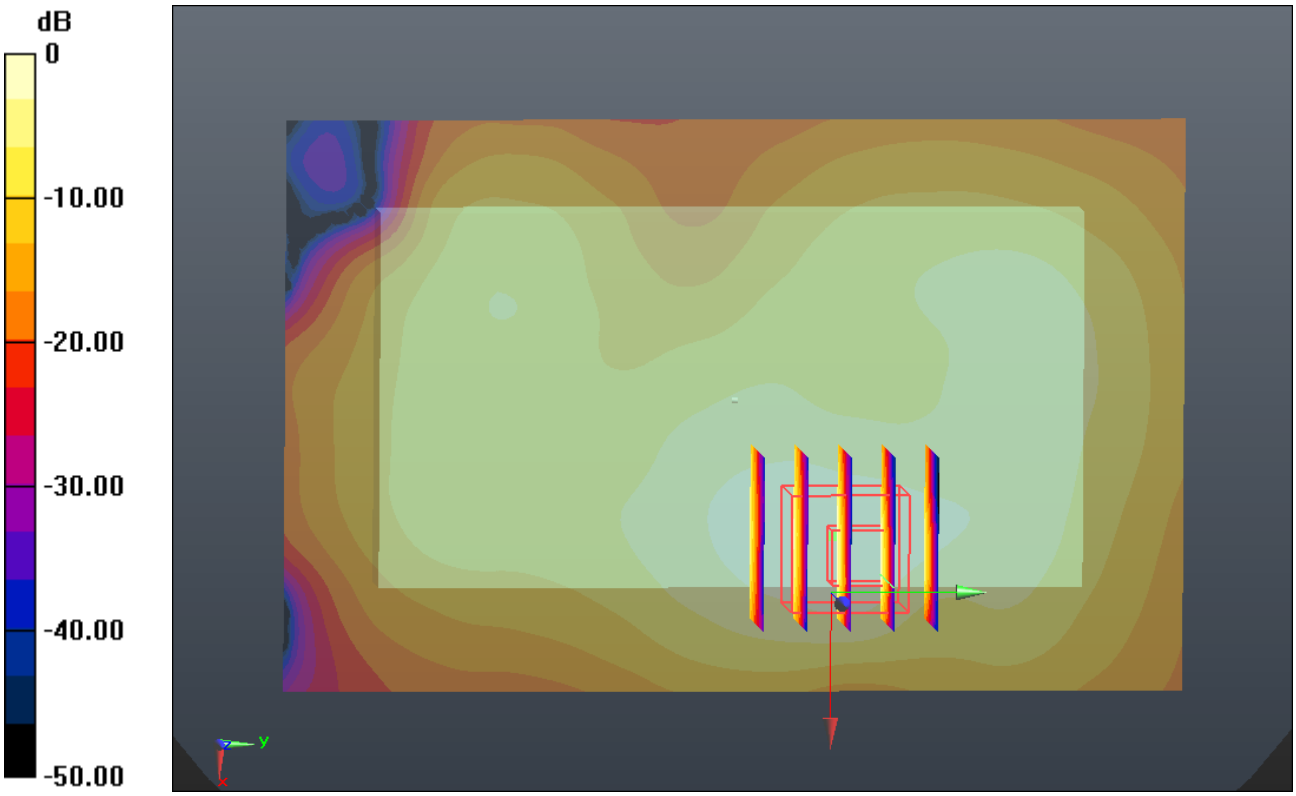
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.289 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.180 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.320 mW/g



0 dB = 0.290mW/g

#38 802.11b_Back_1cm_1M_Ch11_2D

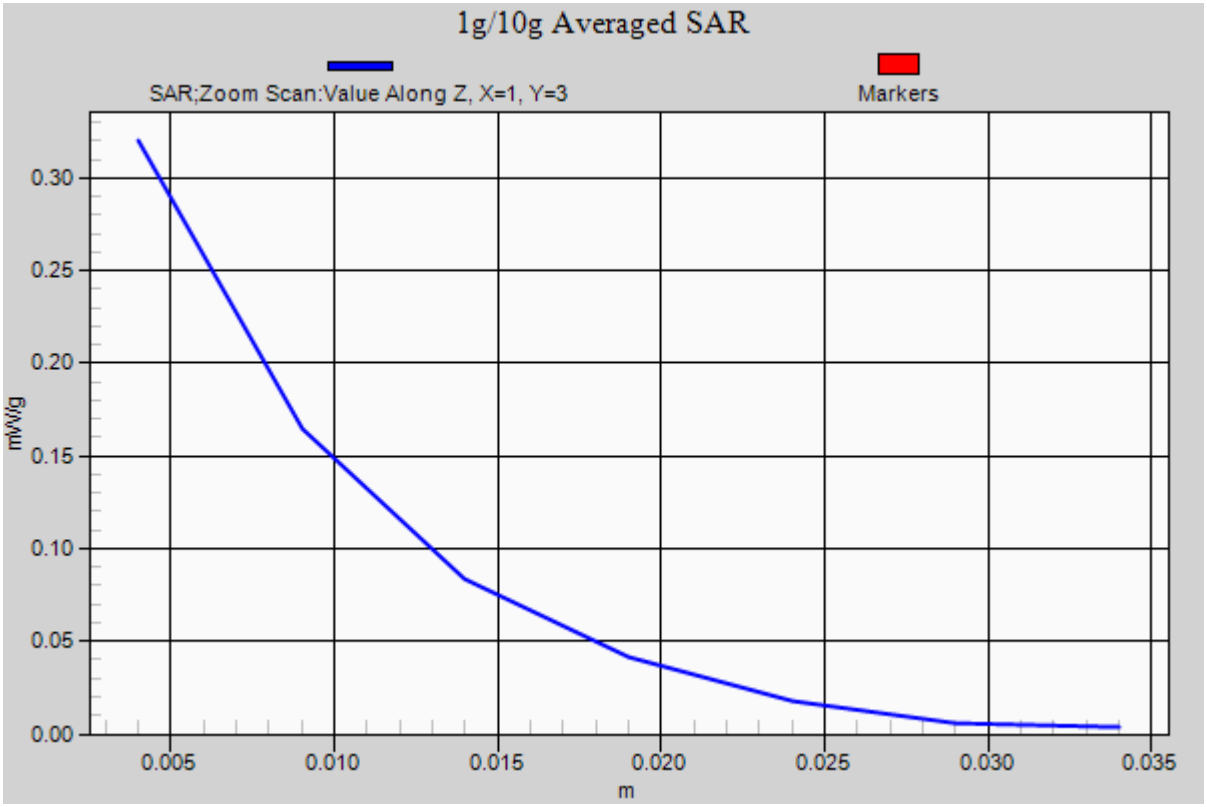
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.289 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.180 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.320 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=3
Markers
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#39 802.11b_Left Side_1cm_1M_Ch11

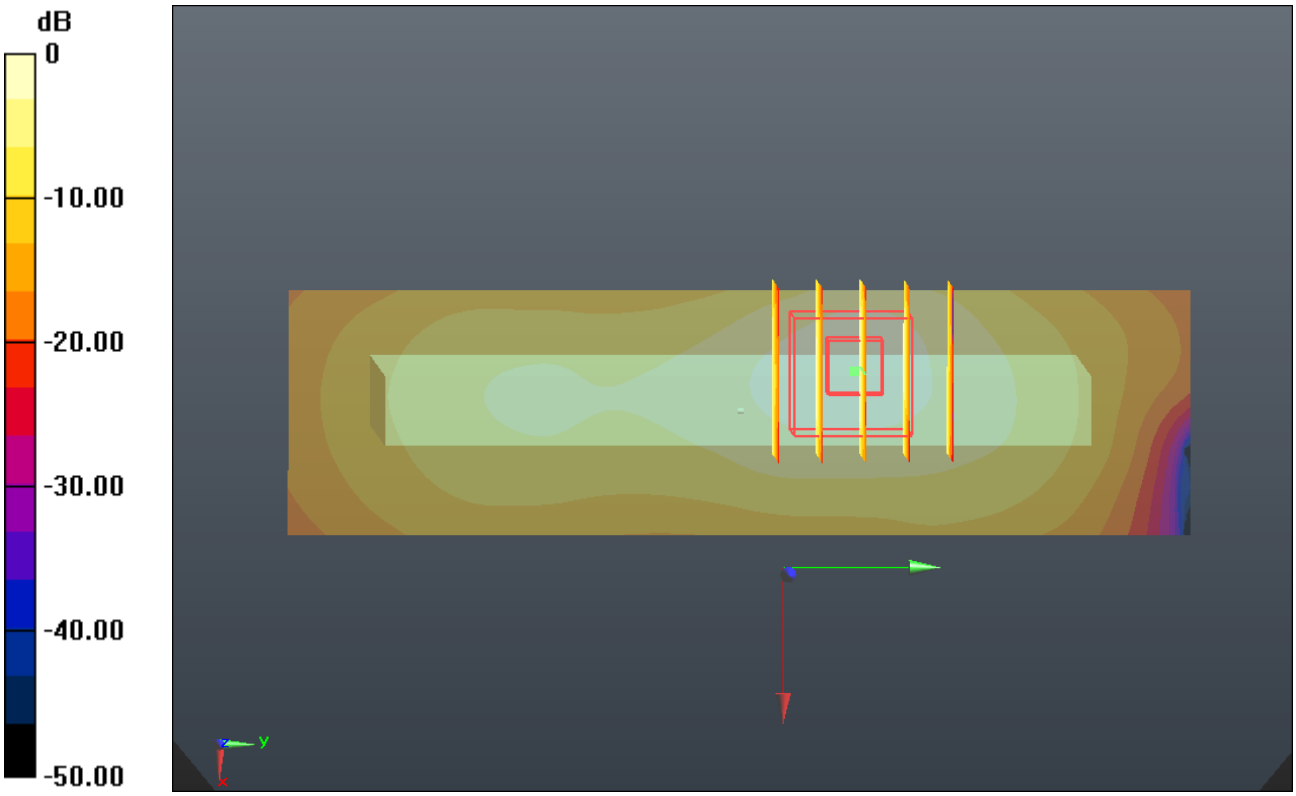
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.213 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.581 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.215 mW/g



0 dB = 0.210mW/g

#40 802.11b_Top Side_1cm_1M_Ch11

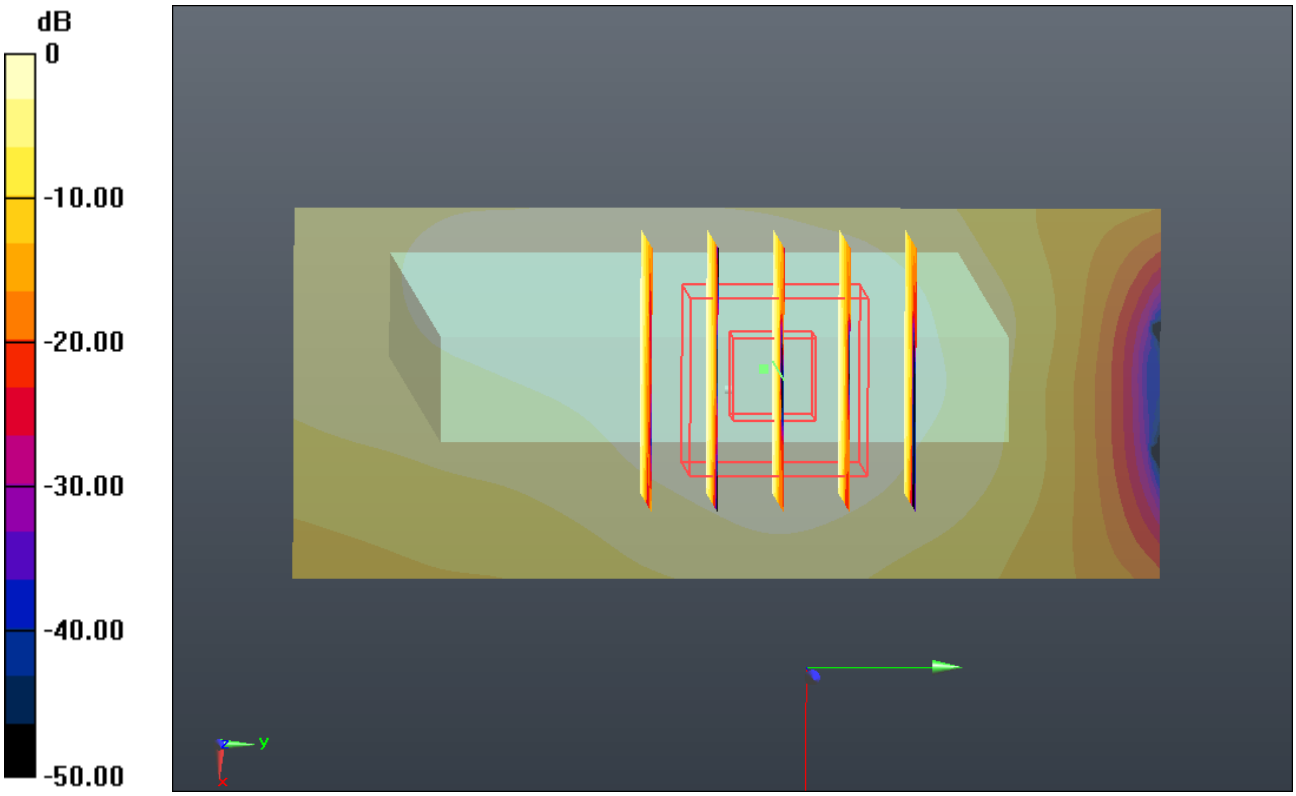
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.052 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.123 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.061 W/kg
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.054 mW/g



0 dB = 0.050mW/g

#41 802.11b_Back_1cm_1M_Ch11_Earphone

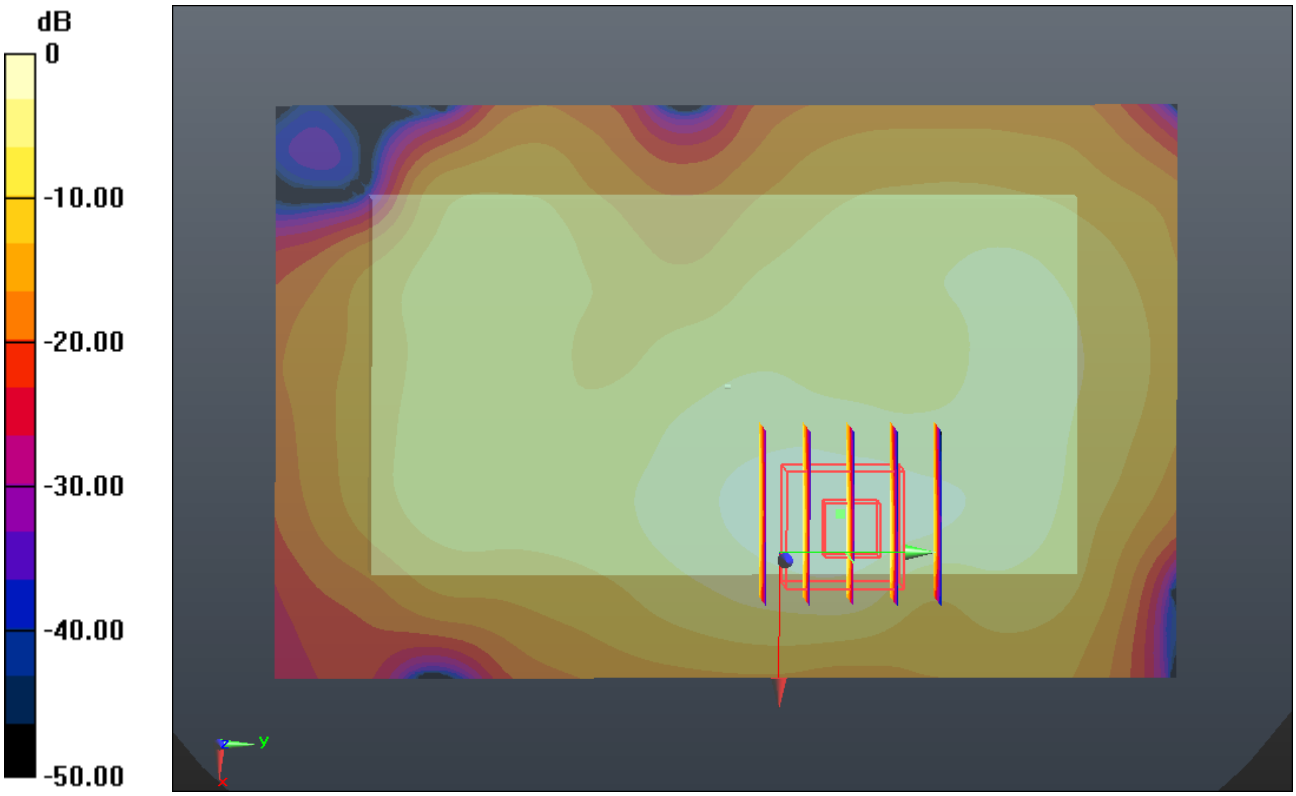
DUT: 241902

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120523 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 53.919; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.313 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.203 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.310mW/g