SAR TEST REPORT

HCT CO., LTD

FCC Class II Permissive Change

EUT Type:	Dual-Band CDMA/ EVDO USB Modem		
FCC ID:	PP4PX-600		
Model:	PX-600	Trade Name	PANTECH&CURITEL
Date of Issue:	Jan. 8, 2008		
Test report No.:	HCT-SAT08-0104		
Test Laboratory:	**HCT CO., LTD.** SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNGKI-DO, 467-701, KOREA TEL: +82 31 639 8565 FAX: +82 31 639 8525		
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Testing has been carried out in accordance with:	47CFR §2.1093 FCC OET Bulletin 65(Edition 97-01), Supplement C (Edition 01-01) ANSI/ IEEE C95.1 – 2005 IEEE 1528-2003		
Test result:	The tested device complies with the requirements in respect of all parameters subject to the test. The test results and statements relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory.		
Signature	Report prepared by : Sun-Hee Kim Test Engineer of SAR Part	Approved by : Nam-Wook Kang Manager of SAR Part	

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1. INTRODUCTION

The FCC has adopted the guidelines for evaluating the environmental effects of radio frequency radiation in ET Docket 93-62 on Aug. 6, 1996 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices.

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-2005 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. The measurement procedure described in IEEE/ANSI C95.3-1992 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave is used for guidance in measuring SAR due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields," NCRP Report No. 86 NCRP, 1986, Bethesda, MD 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (r). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body.

$$SAR = \frac{d}{dt}\left(\frac{dU}{dm}\right) = \frac{d}{dt}\left(\frac{dU}{\rho\, dv}\right)$$

Figure 2. SAR Mathematical Equation

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

$$SAR = \sigma E^2 / \rho$$

where:

σ	=	conductivity of the tissue-simulant material (S/m)
ρ	=	mass density of the tissue-simulant material (kg/m^3)
E	=	Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.

2. DESCRIPTION OF DEVICE

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

EUT Type	Dual-Band CDMA/ EVDO USB Modem
FCC ID	PP4PX-600
Model(s)	PX-600
Trade Name	PANTECH&CURITEL
Serial Number(s)	#1
Application Type	Permissive Change Class II
Change of Contents	Adding a GPS receiver capability.
Modulation(s)	CDMA835/PCS1900
Tx Frequency	824.70 - 848.31 MHz (CDMA) 1 851.25 – 1 908.75 MHz (PCS CDMA)
Rx Frequency	869.70 - 893.31 MHz (CDMA) 1 931.25 – 1 988.75 MHz (PCS CDMA)
FCC Classification	Licensed Portable Transmitter Held to Ear (PCE)
Production Unit or Identical Prototype	Prototype
Max SAR	0.344 W/kg CDMA835 Body SAR (EVDO) 0.328 W/kg PCS1900 Body SAR (EVDO)
Date(s) of Tests	Oct. 24 ~ Oct. 26, 2007
Antenna Type	Retractable

3. DESCRIPTION OF TEST EQUIPMENT

3.1 SAR MEASUREMENT SETUP

These measurements are performed using the DASY4 automated dosimetric assessment system. It is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland. It consists of high precision robotics system (Staubli), robot controller, Pentium III computer, near-field probe, probe alignment sensor, and the generic twin phantom containing the brain equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF) (see Figure.3.1).

A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The PC consists of the HP Pentium IV 3.0 GHz computer with Windows XP system and SAR Measurement Software DASY4, A/D interface card, monitor, mouse, and keyboard. The Staubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card.

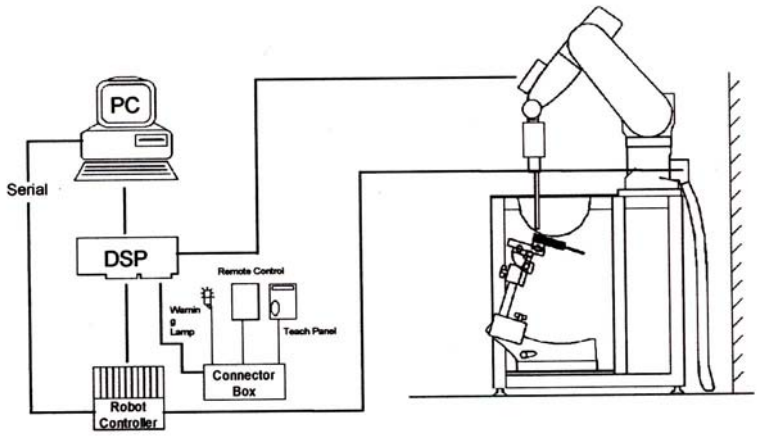

Figure 3.1 HCT SAR Lab. Test Measurement Set-up

The DAE4 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 PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer. The system is described in detail in.

3.2 DASY E-FIELD PROBE SYSTEM

3.2.1 ET3DV6 Probe Specification

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection System Built-in shielding against static charges
Calibration	In air from 10 MHz to 2.5 GHz In brain and muscle simulating tissue at Frequencies of 450 MHz, 900 MHz and 1.8 GHz (accuracy. : 8 %)
Frequency	10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 3 GHz)
Directivity	± 0.2 dB in brain tissue (rotation around probe axis) ± 0.4 dB in brain tissue (rotation normal probe axis)
Dynamic	5 μW/g to > 100 mW/g;
Range Linearity:	± 0.2 dB
Surface Detection	± 0.2 mm repeatability in air and clear liquids over diffuse reflecting surfaces.
Dimensions	Overall length: 330 mm Tip length: 16 mm Body diameter: 12 mm Tip diameter: 6.8 mm Distance from probe tip to dipole centers: 2.7 mm
Application	General dissymmetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

Figure 3.2 Photograph of the probe and the Phantom

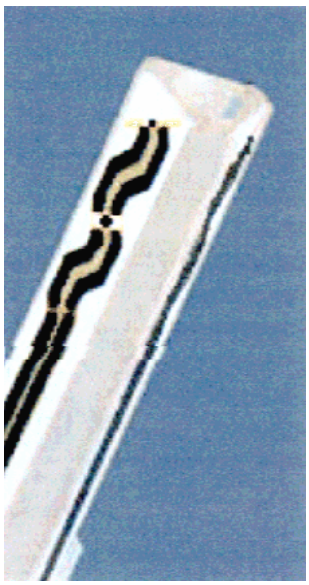

Figure 3.3 ET3DV6 E-field Probe

The SAR measurements were conducted with the dosimetric probe ET3DV6, designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multifiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches a maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY4 software reads the reflection during a software approach and looks for the maximum using a 2nd order fitting. The approach is stopped at reaching the maximum.

3.3 PROBE CALIBRATION PROCESS

3.3.1 E-Probe Calibration

Each probe is calibrated according to a dosimetric assessment procedure with an accuracy better than ± 10 %. The spherical isotropy was evaluated with the proper procedure and found to be better than ± 0.25 dB. The sensitivity parameters (NormX, NormY, NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe is tested.

The free space E-field from amplified probe outputs is determined in a test chamber. This is performed in a TEM cell for frequencies bellow 1 GHz, and in a waveguide above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The measured free space E-field in the medium correlates to temperature rise in a dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C\frac{\Delta T}{\Delta t}$$

where:

Δt = exposure time (30 seconds),

C = heat capacity of tissue (brain or muscle),

ΔT = temperature increase due to RF exposure.

SAR is proportional to $\Delta T / \Delta t$, the initial rate of tissue heating, before thermal diffusion takes place. Now it's possible to quantify the electric field in the simulated tissue by equating the thermally derived SAR to the E- field;

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

where:

σ = simulated tissue conductivity,

ρ = Tissue density (1.25 g/cm^3 for brain tissue)

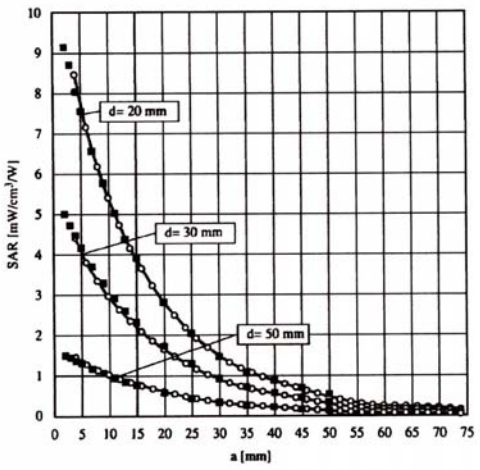

Figure 3.4 E-Field and Temperature measurements at 900 MHz

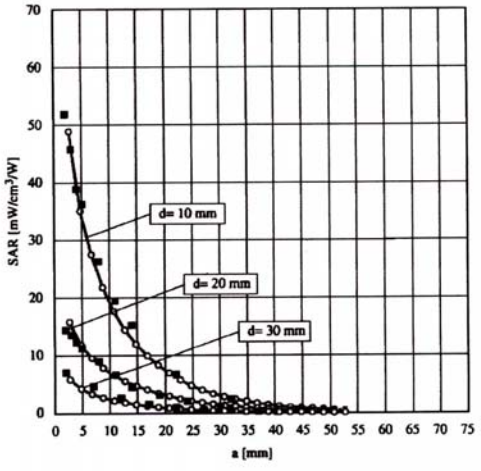

Figure 3.5 E-Field and temperature measurements at 1.8 GHz

3.3.2 Data Extrapolation

The DASY4 software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. 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 like below;

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

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:

$$E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

with V_i = compensated signal of channel i (i = x,y,z)
$Norm_i$ = sensor sensitivity of channel i (i = x,y,z)
$\mu V/(V/m)^2$ for E-field probes
ConvF = sensitivity of enhancement in solution
E_i = electric field strength of channel i in V/m

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

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

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

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

with SAR = local specific absorption rate in W/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

The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = \frac{E_{tot}^2}{3770}$$

with P_{pwe} = equivalent power density of a plane wave in W/cm^2
E_{tot} = total electric field strength in V/m

3.4 SAM Phantom

The SAM Phantom is constructed of a fiberglass shell integrated in a wooden table. The shape of the shell is based on data from an anatomical study designed to determine the maximum exposure in at least 90 % of all users. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents the evaporation of the liquid. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot.

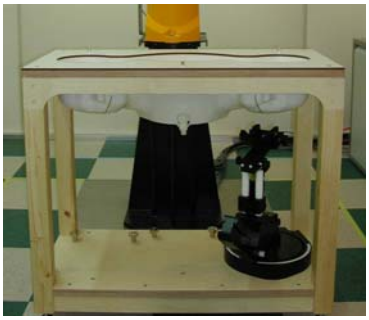

Figure 3.6 SAM Phantom

Shell Thickness	2.0 mm
Filling Volume	About 30 L
Dimensions	810 mm x 1 000 mm x 500 mm (H x L x W)

3.5 Device Holder for Transmitters

In combination with the SAM Phantom V 4.0, the Mounting Device (POM) enables the rotation of the mounted transmitter in spherical coordinates whereby the rotation points is the ear opening. The devices can be easily, accurately, and repeatable positioned according to the FCC and CENELEC specifications. The device holder can be locked at different phantom locations (left head, right head, flat phantom).

Note: A simulating human hand is not used due to the complex anatomical and geometrical structure of the hand that may produced infinite number of configurations. To produce the Worst-case condition (the hand absorbs antenna output power), the hand is omitted during the tests.

Figure 3.7 Device Holder

3.6 Brain & Muscle Simulating Mixture Characterization

The brain and muscle mixtures consist of a viscous gel using hydrox-ethyl cellulose (HEC) gelling agent and saline solution (see Table 3.1). Preservation with a bacteriacide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue. The mixture characterizations used for the brain and muscle tissue simulating liquids are according to the data by C. Gabriel and G. Hartsgrove.

Ingredients (% by weight)	Frequency (MHz)									
	450		835		915		1900		2450	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	41.45	52.4	41.05	56.0	54.9	40.4	62.7	73.2
Salt (NaCl)	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7

Salt:	99 % Pure Sodium Chloride	Sugar:	98 % Pure Sucrose
Water:	De-ionized, 16M resistivity	HEC:	Hydroxyethyl Cellulose
DGBE:	99 % Di(ethylene glycol) butyl ether,[2-(2-butoxyethoxy) ethanol]		
Triton X-100(ultra pure):	Polyethylene glycol mono[4-(1,1,3,3-tetramethylbutyl)phenyl] ether		

Table 3.1 Composition of the Tissue Equivalent Matter

3.7 SAR TEST EQUIPMENT

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	SAM Phantom	-	N/A	N/A	N/A
Staubli	Robot RX90L	F01/5K09A1/A/01	N/A	N/A	N/A
Staubli	Robot ControllerCS7MB	F99/5A82A1/C/01	N/A	N/A	N/A
HP	Pavilion t000_puffer	KRJ51201TV	N/A	N/A	N/A
SPEAG	Light Alignment Sensor	265	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	D221340.01	N/A	N/A	N/A
SPEAG	DAE4V1	447	Sep.13, 2007	Annual	Sep.13, 2008
SPEAG	DAE3V1	466	Jan.25, 2007	Annual	Jan.25, 2008
SPEAG	E-Field Probe ES3DV3	3085	Nov.19, 2007	Annual	Nov.19, 2008
SPEAG	E-Field Probe ET3DV6	1607	Feb.21, 2007	Annual	Feb.21, 2008
SPEAG	E-Field Probe ET3DV6	1609	Aug.30, 2007	Annual	Aug.30, 2008
SPEAG	Validation Dipole D450V2	1007	Mar.15, 2007	Annual	Mar.15, 2008
SPEAG	Validation Dipole D835V2	481	May 24, 2007	Annual	May 24, 2008
SPEAG	Validation Dipole D900V2	121	Feb.19, 2007	Annual	Feb.19, 2008
SPEAG	Validation Dipole D1800V2	2d066	May 23, 2007	Annual	May 23, 2008
SPEAG	Validation Dipole D1900V2	5d032	Feb.20, 2007	Annual	Feb.20, 2008
SPEAG	Validation Dipole D2450V2	743	Jan.17, 2007	Annual	Jan.17, 2008
Agilent	Power Meter(F) E4419B	MY40330223	Nov.08, 2007	Annual	Nov.08, 2008
Agilent	Power Sensor(G) 8481	MY41090870	Nov.21, 2007	Annual	Nov.21, 2008
HP	Dielectric Probe Kit 85070C	00721521	N/A	N/A	N/A
HP	Dual Directional Coupler	16072	Nov.09, 2007	Annual	Nov.09, 2008
R&S	Base Station CMU200	838207/050	Nov.14, 2007	Annual	Nov.14, 2008
Tescom	Bluetooth TC-3000	3000A490112	Jan.22, 2007	Annual	Jan.22, 2008
Agilent	Base Station E5515C	GB44400269	Feb.11, 2007	Annual	Feb.11, 2008
HP	Signal Generator E4438C	MY45092381	Feb.07, 2007	Annual	Feb.07, 2008
HP	Network Analyzer 8753ES	JP39240221	Apr.11, 2007	Annual	Apr.11, 2008
EM POWER	Power Amp BBS3Q7ELU	1013-D/C-0127	Apr.17, 2007	Annual	Apr.17, 2008

NOTE:

The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Validation measurement is performed by HCT Lab. before each test. The brain simulating material is calibrated by HCT using the dielectric probe system and network analyzer to determine the conductivity and permittivity (dielectric constant) of the brain-equivalent material.

4. SAR MEASUREMENT PROCEDURE

The evaluation was performed with the following procedure:

1. The SAR value at a fixed location above the ear point was measured and was used as a reference value for assessing the power drop.

2. The SAR distribution at the exposed side of the head was measured at a distance of 3.9 mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 20 mm x 20 mm. Based on this data, the area of the maximum absorption was determined by spline interpolation.

3. Around this point, a volume of 32 mm x 32 mm x 34 mm was assessed by measuring 5 x 5 x 7 points. On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

   a. The data at the surface were extrapolated, since the center of the dipoles is 2.7 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
   b. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed using the 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x,y, and z directions. The volume was integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.
   c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

4. The SAR value, at the same location as procedure #1, was re-measured. If the value changed by more than 5 %, the evaluation is repeated.

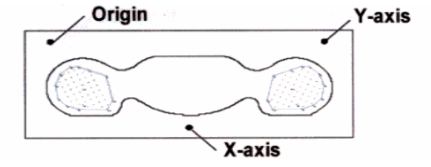

Figure 4.1 SAR Measurement Point in Area Scan

5. DESCRIPTION OF TEST POSITION

5.1 HEAD POSITION

The device was placed in a normal operating position with the Point A on the device, as illustrated in following drawing, aligned with the location of the RE(ERP) on the phantom. With the ear-piece pressed against the head, the vertical center line of the body of the handset was aligned with an imaginary plane consisting of the RE, LE and M. While maintaining these alignments, the body of the handset was gradually moved towards the cheek until any point on the mouth-piece or keypad contacted the cheek. This is a cheek/touch position. For ear/tilt position, while maintain the device aligned with the BM and FN lines, the device was pivot against ERP back for 15º or until the device antenna touch the phantom. Please refer to IEEE 1528-2003 illustration below.

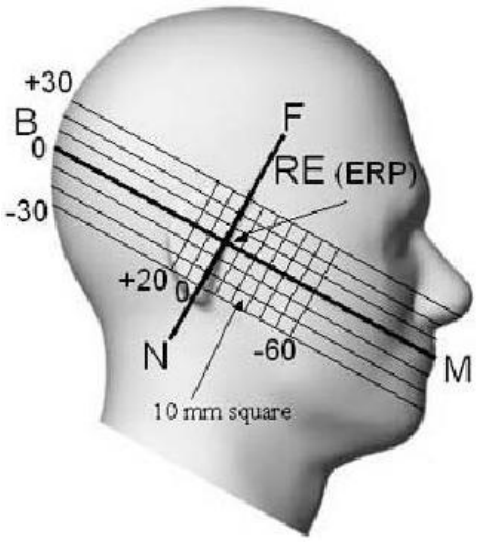

Figure 5.1 Side view of the phantom

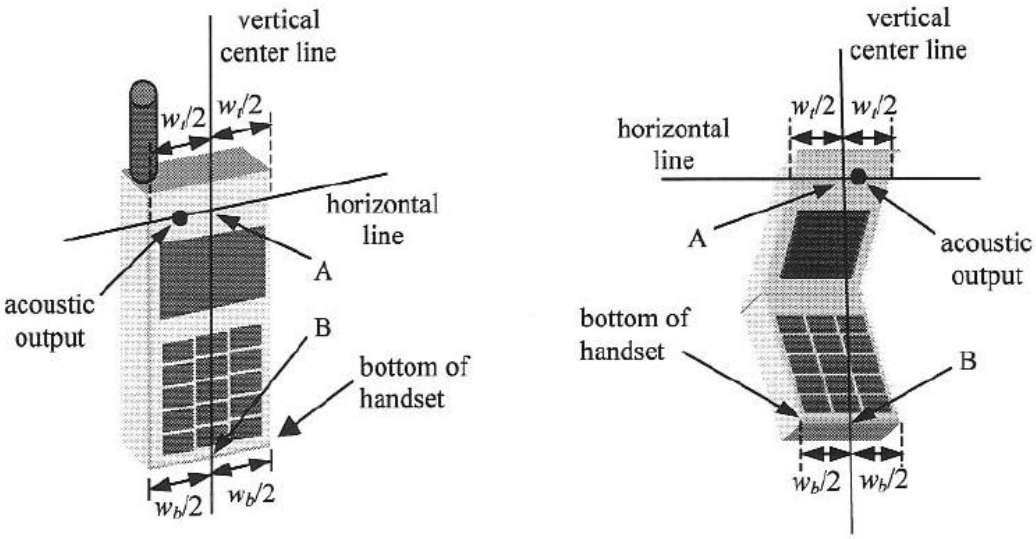

Figure 5.2 Handset vertical and horizontal reference lines

5.2 Body Holster/Belt Clip Configurations

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. A device with a headset output is tested with a headset connected to the device. Body dielectric parameters are used.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with each accessory. If multiple accessory share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some Devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used.

Since this EUT does not supply any body worn accessory to the end user a distance of 2.0 cm from the EUT back surface to the liquid interface is configured for the generic test.

"See the Test SET-UP Photo"

Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessory(ies), Including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

In all cases SAR measurements are performed to investigate the worst-case positioning. Worstcase positioning is then documented and used to perform Body SAR testing.

6. MEASUREMENT UNCERTAINTY

Measurement uncertainties in SAR measurements are difficult to quantify due to several variables including biological, physiological, and environmental. However, we estimate the measurement uncertainties in SAR to be less than 15 % - 25 %.

According to ANSI/IEEE C95.3, the overall uncertainties are difficult to assess and will vary with the type of meter and usage situation. However, accuracy's of 1 to ± 3 dB can be expected in practice, with greater uncertainties in near-field situations and at higher frequencies (shorter wavelengths), or areas where large reflecting objects are present. Under optimum measurement conditions, SAR measurement uncertainties of at least ± 2 dB can be expected.

According to CENELEC, typical worst-case uncertainty of field measurements is 5 dB. For well-defined modulation characteristics the uncertainty can be reduced to ± 3 dB.

Error Description	Uncertainty value [%]	Probability Distribution	Divisor	ci	ci^2	Standard Uncertainty [%]	Stand Uncert^2	(Stand Uncert^2) X (ci^2)	Vi & Veff
1. Measurement System									
Probe Calibration	5.5	Normal	1.00	1	1	5.50	30.25	30.25	∞
Axial Isotropy	4.7	Rectangular	1.73	0.7	0.49	2.71	7.36	3.61	∞
Hemispherical Isotropy	9.6	Rectangular	1.73	0.7	0.49	5.54	30.72	15.05	∞
Linearity	4.7	Rectangular	1.73	1	1	2.71	7.36	7.36	∞
System Detection limits	1.0	Rectangular	1.73	1	1	0.58	0.33	0.33	∞
Boundary effect	1.0	Rectangular	1.73	1	1	0.58	0.33	0.33	∞
Response time	0.8	Rectangular	1.73	1	1	0.46	0.21	0.21	∞
RF Ambient conditions	3.0	Rectangular	1.73	1	1	1.73	3.00	3.00	∞
Readout Electronics	0.3	Normal	1.00	1	1	0.30	0.09	0.09	∞
Integration time	2.6	Rectangular	1.73	1	1	1.50	2.25	2.25	∞
Probe positioner	0.4	Rectangular	1.73	1	1	0.23	0.05	0.05	∞
Probe positionering	2.9	Rectangular	1.73	1	1	1.67	2.80	2.80	∞
Maximum SAR evaluation	1.0	Rectangular	1.73	1	1	0.58	0.33	0.33	∞
2.Test Sample Related						Sub Total		65.69	
Device Positioning	1.8	Normal	1.00	1	1	1.77	3.13	3.13	9
Device Holder	3.6	Normal	1.00	1	1	3.60	12.96	12.96	∞
Power Drift	5.0	Rectangular	1.73	1	1	2.89	8.33	8.33	∞
3. Phantom and Setup						Sub Total		24.43	
Phantom Uncertainty	4.0	Rectangular	1.73	1	1	2.31	5.33	5.33	∞
Liquid conductivity (target)	5.0	Rectangular	1.73	0.5	0.25	2.89	8.33	2.08	∞
Liquid conductivity (measurement error)	2.5	Normal	1.00	0.5	0.25	2.50	6.25	1.56	∞
Liquid permittivity (target)	5.0	Rectangular	1.73	0.5	0.25	2.89	8.33	2.08	∞
Liquid permittivity (measurement error)	2.5	Normal	1.00	0.5	0.25	2.50	6.25	1.56	∞
						Sub Total		12.63	
Combined standard uncertainty [%]						**10.14**		102.74	-
Expanded uncertainty [k = 2, confidence 95 %]						**± 20.3 %**			

Table 6.1 Breakdown of Errors

7. ANSI/ IEEE C95.1 - 2005 RF EXPOSURE LIMITS

HUMAN EXPOSURE	UNCONTROLLED ENVIRONMENT General Population (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT Occupational (W/kg) or (mW/g)
SPATIAL PEAK SAR * (Brain)	1.60	8.00
SPATIAL AVERAGE SAR ** (Whole Body)	0.08	0.40
SPATIAL PEAK SAR *** (Hands / Feet / Ankle / Wrist)	4.00	20.00

Table 7.1 Safety Limits for Partial Body Exposure

NOTES:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

** The Spatial Average value of the SAR averaged over the whole-body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

8. SYSTEM VERIFICATION

8.1 TOSHIBA

Tissue Verification

Freq. [MHz]	Date	Liquid	Liquid Temp[°C]	Parameters	Target Value	Measured Value	Deviation [%]	Limit [%]
835	Oct.24, 2007	Head	21.5	ε r	41.5	40.8	- 1.69	± 5
				σ	0.90	0.891	- 1.00	± 5
835	Oct.24, 2007	Body	21.5	ε r	55.2	54.9	- 0.54	± 5
				σ	0.97	0.98	+ 1.03	± 5
1 900	Oct.24, 2007	Head	21.5	ε r	40.0	39.5	- 1.25	± 5
				σ	1.40	1.42	+ 1.43	± 5
1 900	Oct.24, 2007	Body	21.5	ε r	53.3	52.0	- 2.44	± 5
				σ	1.52	1.56	+ 2.63	± 5

System Validation

Prior to assessment, the system is verified to the ± 10 % of the specifications at 835 MHz/1 900 MHz by using the system validation kit. (Graphic Plots Attached)

*(Input Power: 1 W)

Freq. [MHz]	Date	Liquid	Liquid Temp [°C]	SAR Average	Target Value (SPEAG) (mW/g)	Measured Value (mW/g)	Deviation [%]	Limit [%]
835	Oct.24, 2007	Head	21.5	1 g	9.21	9.80	+ 6.41	± 10 %
1 900	Oct.24, 2007	Head	21.5	1 g	37.2	38.30	+ 2.96	± 10 %

8.2 HP

Tissue Verification

Freq. [MHz]	Date	Liquid	Liquid Temp[°C]	Parameters	Target Value	Measured Value	Deviation [%]	Limit [%]
835	Oct.25, 2007	Head	21.7	ε r	41.5	40.7	- 1.93	± 5
				σ	0.90	0.89	- 1.11	± 5
835	Oct.25, 2007	Body	21.7	ε r	55.2	54.8	- 0.72	± 5
				σ	0.97	0.98	+ 1.03	± 5
1 900	Oct.25, 2007	Head	21.7	ε r	40.0	39.5	- 1.25	± 5
				σ	1.40	1.41	+ 0.71	± 5
1 900	Oct.25, 2007	Body	21.7	ε r	53.3	52.0	- 2.44	± 5
				σ	1.52	1.56	+ 2.63	± 5

System Validation

Prior to assessment, the system is verified to the ± 10 % of the specifications at 835 MHz/1 900 MHz by using the system validation kit. (Graphic Plots Attached)

*(Input Power: 1 W)

Freq. [MHz]	Date	Liquid	Liquid Temp [°C]	SAR Average	Target Value (SPEAG) (mW/g)	Measured Value (mW/g)	Deviation [%]	Limit [%]
835	Oct.25, 2007	Head	21.7	1 g	9.21	9.81	+ 6.51	± 10 %
1 900	Oct.25, 2007	Head	21.7	1 g	37.2	37.50	+ 0.81	± 10 %

8.3 COMPAQ

Tissue Verification

Freq. [MHz]	Date	Liquid	Liquid Temp[°C]	Parameters	Target Value	Measured Value	Deviation [%]	Limit [%]
835	Oct.26, 2007	Head	21.3	ε r	41.5	40.7	- 1.93	± 5
				σ	0.90	0.889	- 1.22	± 5
835	Oct.26, 2007	Body	21.3	ε r	55.2	54.8	- 0.72	± 5
				σ	0.97	0.98	+ 1.03	± 5
1900	Oct.26, 2007	Head	21.3	ε r	40.0	39.5	- 1.25	± 5
				σ	1.40	1.41	+ 0.71	± 5
1900	Oct.26, 2007	Body	21.3	ε r	53.3	52.0	- 2.44	± 5
				σ	1.52	1.56	+ 2.63	± 5

System Validation

Prior to assessment, the system is verified to the ± 10 % of the specifications at 835 MHz/1 900 MHz by using the system validation kit. (Graphic Plots Attached)

(Input Power: 1 W)

Freq. [MHz]	Date	Liquid	Liquid Temp [°C]	SAR Average	Target Value (SPEAG) (mW/g)	Measured Value (mW/g)	Deviation [%]	Limit [%]
835	Oct.26, 2007	Head	21.3	1 g	9.21	9.85	+ 6.95	± 10 %
1 900	Oct.26, 2007	Head	21.3	1 g	37.2	37.30	+ 0.27	± 10 %

9. 3G MEASUREMENT PROCEDURES

9.1 Procedures Used To Establish Test Signal

The handset was placed into a simulated call using a base station simulator in a shielded chamber. Such test signals offer a consistent means for testing SAR and are recommended for evaluating SAR. SAR measurements were taken with a fully charged battery. In order to verify that the device was tested and maintained at full power, this was configured with the base station simulator. The SAR measurement software calculates a reference point at the start and end of the test to check for power drifts. If conducted power deviations of more then 5 % occurred, the tests were repeated.

9.2 SAR Measurement Conditions for CDMA2000 1x

These procedures were followed according to FCC "SAR Measurement Procedures for 3G Devices", May 2006.

9.2.1 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by "SAR Measurement Procedures for 3G Devices", May 2006. Maximum output power is verified on the High, Middle and Low channels according to procedures defined in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E. SO55 tests were measured with power control bits in “All Up” condition.

1. If the mobile station supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
2. Under RC1, C.S0011 Table 4.4.5.2-1 (Table 4) parameters were applied.
3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH0 and demodulation of RC 3, 4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH0 data rate Channel and 9600 bps SCH0 data rate.
4. Under RC3, C.S0011 Table 4.4.5.2-2(Table 5) was applied.
5. FCHs were configured at full rate for maximum SAR with “All Up” power control bits.

Parameters for Max. Power for RC1

Parameter	Units	Value
$\hat{I}_{or}$	dBm/1.23 MHz	-104
$\frac{\text{Pilot } E_c}{I_{or}}$	dB	-7
$\frac{\text{Traffic } E_c}{I_{or}}$	dB	-7.4

Table. 9.1

Parameters for Max. Power for RC3

Parameter	Units	Value
$\hat{I}_{or}$	dBm/1.23 MHz	-86
$\frac{\text{Pilot } E_c}{I_{or}}$	dB	-7
$\frac{\text{Traffic } E_c}{I_{or}}$	dB	-7.4

Table. 9.2

9.2.2 Head SAR Measurement

SAR for head exposure configurations is measured in RC3 with the DUT configured to transmit at full rate using Loopback Service Option SO55. SAR for RC1 is not required when the maximum average output of each channel is less than ¼ dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel in RC1 using the exposure configuration that results in the highest SAR for that channel in RC3.

9.2.3 Body SAR Measurement

SAR for body exposure configurations is measured in RC3 with the DUT configured to transmit at full rate on FCH with all other code channels disabled using TDSO / SO32. SAR for multiple code channels (FCH + SCHn) is not required when the maximum average output of each RF channel is less than ¼ dB higher than that measured with FCH only. Otherwise, SAR is measured on the maximum output channel (FCH + SCHn) with FCH at full rate and SCH0 enabled at 9600 bps using the exposure configuration that results in the highest SAR for that channel with FCH only. When multiple code channels are enabled, the DUT output may shift by more than 0.5 dB and lead to higher SAR drifts and SCH dropouts.

Body SAR in RC1 is not required when the maximum average output of each channel is less than ¼ dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel in RC1; with Loopback Service Option SO55, at full rate, using the body exposure configuration that results in the highest SAR for that channel in RC3.

9.2.4 Handsets with EV-DO

For handsets with Ev-Do capabilities, when the maximum average output of each channel in Rev. 0 is less than ¼ dB higher than that measured in RC3 (1x RTT), body SAR for Ev-Do is not required. Otherwise, SAR for Rev. 0 is measured on the maximum output channel at 153.6 kbps using the body exposure configuration that results in the highest SAR for that channel in RC3. SAR for Rev. A is not required when the maximum average output of each channel is less than that measured in Rev. 0 or less than ¼ dB higher than that measured in RC3. Otherwise, SAR is measured on the maximum output channel for Rev. A using a Reverse Data Channel payload size of 4096 bits and a Termination Target of 16 slots defined for Subtype 2 Physical Layer configurations. A Forward Traffic Channel data rate corresponding to the 2-slot version of 307.2 kbps with the ACK Channel transmitting in all slots should be configured in the downlink for both Rev. 0 and Rev. A.

Average Output Power Measurement for FCC ID: PP4PX-600

Band	Channel	SO2	SO2	SO55	SO55	TDSO SO32	1xEvDO Rev.0	1xEvDO Rev.0	1xEvDO Rev. A	1xEvDO Rev. A
		RC1/1	RC3/3	RC1/1	RC3/3	RC3/3	(FTAP)	(RTAP)	(FETAP)	(RETAP)
CDMA	1013	25.05	25.09	25.02	25.09	25.10	25.18	25.29	25.17	25.30
	384	25.05	25.00	25.05	25.07	25.04	25.14	25.27	25.11	25.23
	777	24.95	24.92	24.89	24.93	25.06	25.15	25.29	25.10	25.21
PCS CDMA	25	24.87	24.90	24.92	24.96	25.05	25.13	25.22	25.08	25.21
	600	24.91	24.84	24.87	24.91	25.01	25.07	25.20	25.10	25.23
	1175	24.76	24.78	24.81	24.81	25.00	25.05	25.19	25.02	25.17

10. SAR TEST DATA SUMMARY

10.1 Measurement Results (CDMA Body SAR in PC #1)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
824.70	1013 (Low)	EVDO	25.29	25.21	Bottom	BODY (TOSHIBA)	In	0.337
836.52	384 (Mid)	EVDO	25.27	25.24	Bottom		In	0.344
848.31	777 (High)	EVDO	25.29	25.12	Bottom		In	0.185
824.70	1013 (Low)	EVDO	25.29	25.28	Bottom		Out	0.223
836.52	384 (Mid)	EVDO	25.27	25.23	Bottom		Out	0.256
848.31	777 (High)	EVDO	25.29	25.22	Bottom		Out	0.28
836.52	384 (Mid)	CDMA835	25.07	25.01	Bottom		In	0.159
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g)** Averaged over 1 gram		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

10.2 Measurement Results (PCS Body SAR in PC #1)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
1 851.25	25 (Low)	EVDO	25.22	25.20	Bottom	BODY (TOSHIBA)	In	0.288
1 880.00	600 (Mid)	EVDO	25.20	25.20	Bottom		In	0.328
1 908.75	1175 (High)	EVDO	25.19	25.16	Bottom		In	0.274
1 851.25	25 (Low)	EVDO	25.22	25.20	Bottom		Out	0.069
1 880.00	600 (Mid)	EVDO	25.20	25.16	Bottom		Out	0.022
1 908.75	1175 (High)	EVDO	25.19	25.14	Bottom		Out	0.034
1 880.00	600 (Mid)	PCS1900	24.91	24.76	Bottom		In	0.217
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g) **Averaged over 1 gram		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

10.3 Measurement Results (CDMA Body SAR in PC #2)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
824.70	1013 (Low)	EVDO	25.29	25.10	Bottom	BODY (HP)	In	0.114
836.52	384 (Mid)	EVDO	25.27	25.21	Bottom		In	0.103
848.31	777 (High)	EVDO	25.29	25.09	Bottom		In	0.106
824.70	1013 (Low)	EVDO	25.29	25.20	Bottom		Out	0.122
836.52	384 (Mid)	EVDO	25.27	25.15	Bottom		Out	0.124
848.31	777 (High)	EVDO	25.29	25.25	Bottom		Out	0.158
848.31	777 (High)	CDMA835	25.07	24.95	Bottom		Out	0.107
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g)** Averaged over 1 gram		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

10.4 Measurement Results (PCS Body SAR in PC #2)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
1 851.25	25 (Low)	EVDO	25.22	25.13	Bottom	BODY (HP)	In	0.083
1 880.00	600 (Mid)	EVDO	25.2	25.12	Bottom		In	0.108
1 908.75	1175 (High)	EVDO	25.19	25.07	Bottom		In	0.1
1 851.25	25 (Low)	EVDO	25.22	25.02	Bottom		Out	0.039
1 880.00	600 (Mid)	EVDO	25.2	25.13	Bottom		Out	0.012
1 908.75	1175 (High)	EVDO	25.19	25.00	Bottom		Out	0.02
1 880.00	600 (Mid)	PCS1900	24.91	24.71	Bottom		In	0.096
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g) Averaged over 1 gram**		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

10.5 Measurement Results (CDMA Body SAR in PC #3)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
824.70	1013 (Low)	EVDO	25.29	25.13	Bottom	BODY (COMPAQ)	In	0.134
836.52	384 (Mid)	EVDO	25.27	25.26	Bottom		In	0.121
848.31	777 (High)	EVDO	25.29	25.22	Bottom		In	0.117
824.70	1013 (Low)	EVDO	25.29	25.26	Bottom		Out	0.131
836.52	384 (Mid)	EVDO	25.27	25.25	Bottom		Out	0.136
848.31	777 (High)	EVDO	25.29	25.23	Bottom		Out	0.166
848.31	777 (High)	CDMA835	25.07	25.06	Bottom		Out	0.119
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g) **Averaged over 1 gram		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

10.6 Measurement Results (PCS Body SAR in PC #3)

Frequency		Modulation	Conducted Power (dBm)		Configuration	Phantom Position	Ant. Position	SAR(mW/g)
MHz	Channel.		Begin	End				
1 851.25	25 (Low)	EVDO	25.22	25.15	Bottom	BODY (COMPAQ)	In	0.107
1 880.00	600 (Mid)	EVDO	25.2	25.13	Bottom		In	0.122
1 908.75	1175 (High)	EVDO	25.19	24.98	Bottom		In	0.1
1 851.25	25 (Low)	EVDO	25.22	25.11	Bottom		Out	0.035
1 880.00	600 (Mid)	EVDO	25.2	25.16	Bottom		Out	0.012
1 908.75	1175 (High)	EVDO	25.19	25.13	Bottom		Out	0.015
1 880.00	600 (Mid)	PCS1900	24.91	24.86	Bottom		In	0.076
ANSI/ IEEE C95.1 2005 – Safety Limit Spatial Peak Uncontrolled Exposure/ General Population						**Head 1.6 W/kg (mW/g) **Averaged over 1 gram		

NOTES:

1 The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supplement C [July 2001].
2 All modes of operation were investigated and the worst-case are reported.
3 Measured Depth of Simulating Tissue is 15.0 ± 0.2 cm.
4 Tissue parameters and temperatures are listed on the SAR plot.
5 Test Signal Call Mode ☐ Manual Test cord ☒ Base Station Simulator
6 Both sides of the phone were tested, and worst-case is reported.
7 SAR Configuration ☐ Head ☒ Body ☐ Hand
8 Body SAR was tested under RTAP/1xEvDO Rev.0.
9 PC#1 Manufacturer / Model(s): TOSHIBA / Satellite M70
PC#2 Manufacturer / Model(s): H.P / HP Pavilion ze2000
PC#3 Manufacturer / Model(s): COMPAQ / Presario R3000

11. CONCLUSION

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/ IEEE C95.1 2005.

These measurements are taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests.

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Attachment 1. – SAR Test Plots

● PC#1 Manufacturer / Model(s): TOSHIBA (Page 32 ~ 47)

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

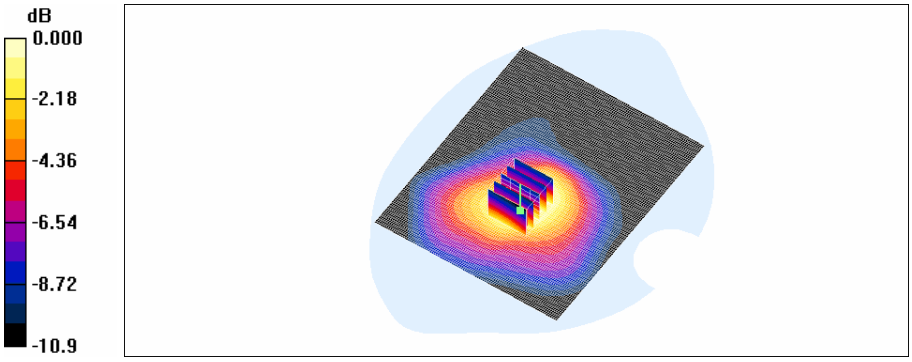
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.967 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.367 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.7 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.365 mW/g



0 dB = 0.365mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.98 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

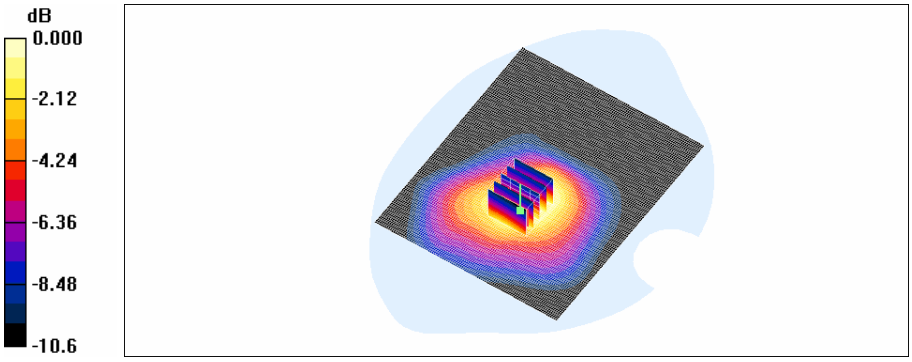
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.373 mW/g

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.229 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.372 mW/g



0 dB = 0.372mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.995 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

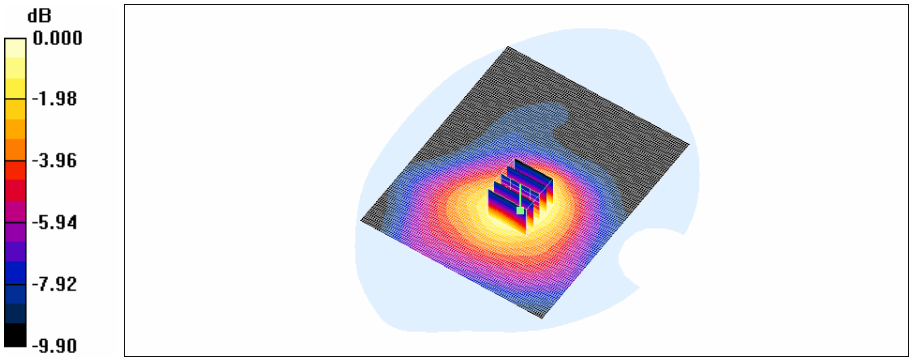
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.199 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.127 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.198mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

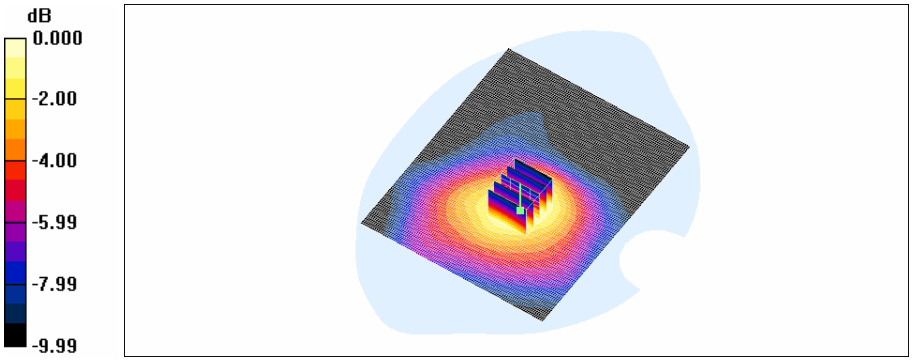
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.967 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.234 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.237 mW/g



0 dB = 0.237mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.98 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

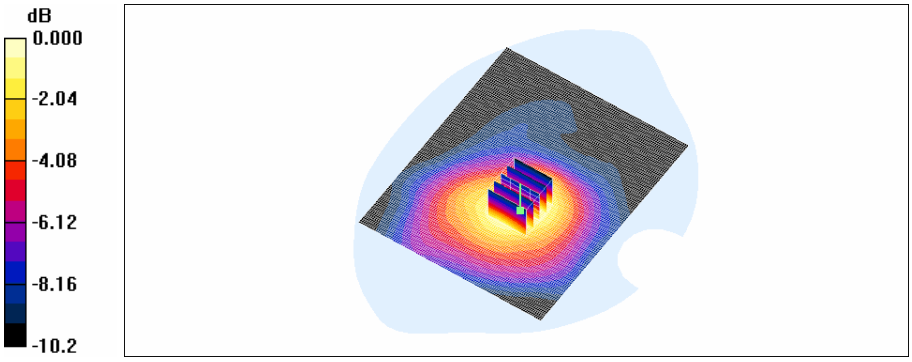
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.276 mW/g

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.365 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.175 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.274 mW/g



0 dB = 0.274mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.995 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

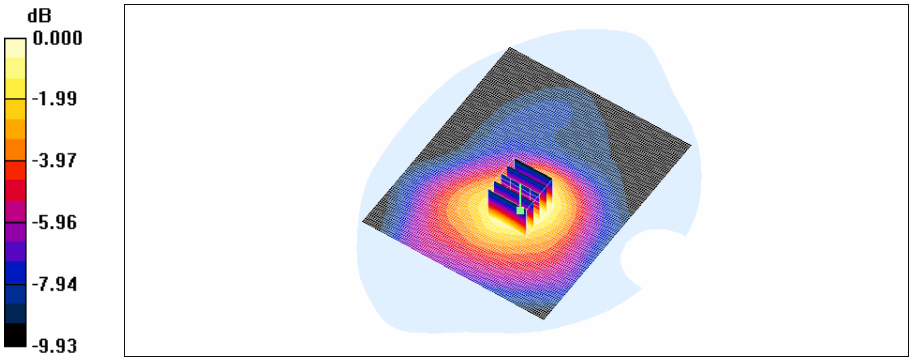
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.300 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.192 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.300 mW/g



0 dB = 0.300mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007

DUT: PX-600; Type: USB Modem (bottom); Serial:#1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.98 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

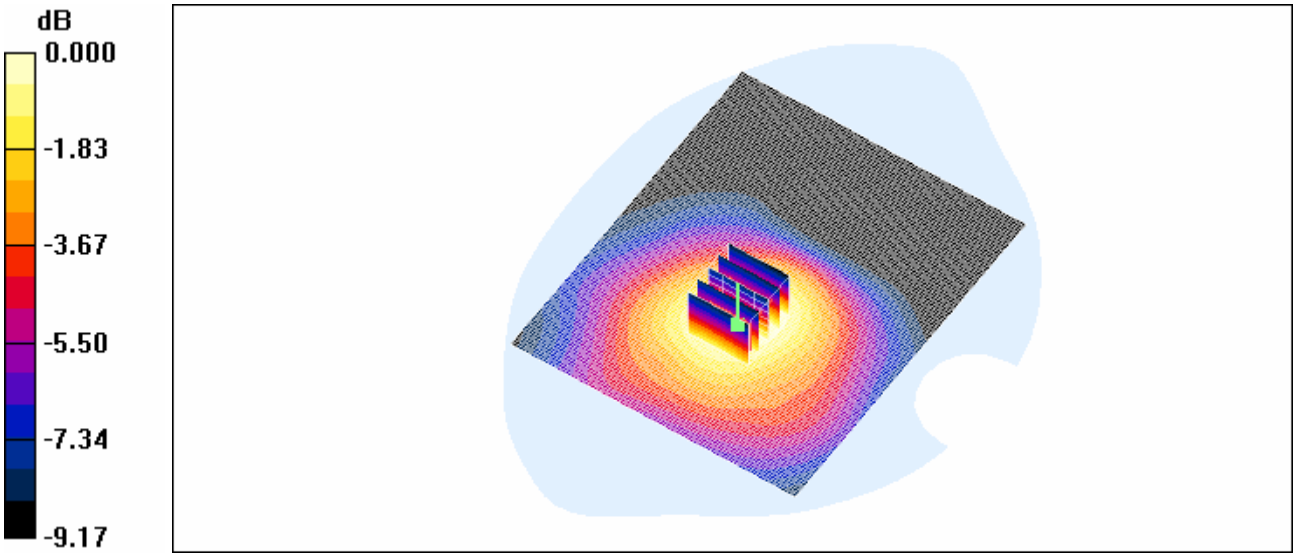
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 835/900 Phamtom ; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.172 mW/g

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.114 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.169 mW/g



0 dB = 0.169mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

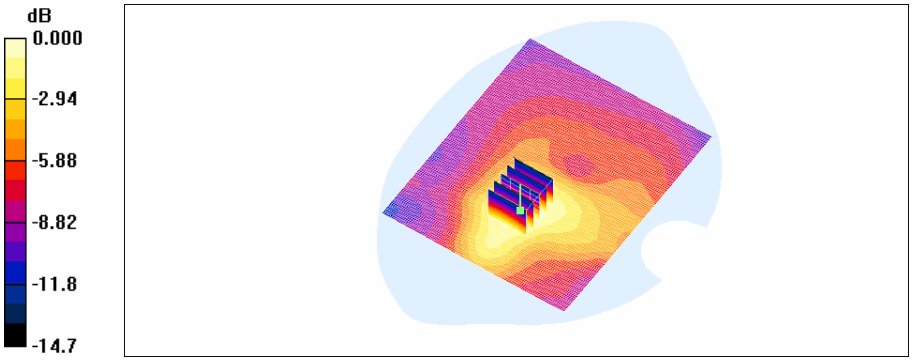
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 25/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

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

PCS BODY 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.178 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.313 mW/g



0 dB = 0.313mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

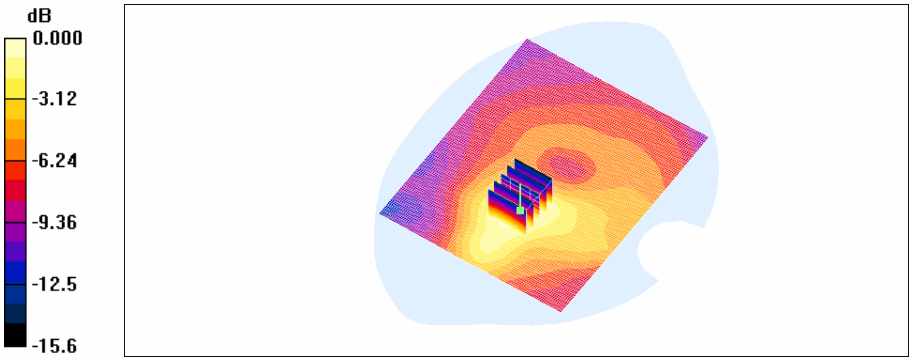
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.348 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.21 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.519 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.356 mW/g



0 dB = 0.356mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

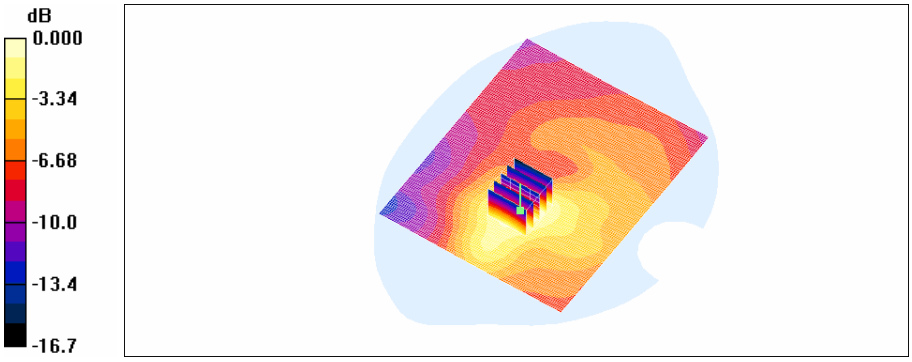
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 1175/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.294 mW/g

PCS BODY 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.09 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.163 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

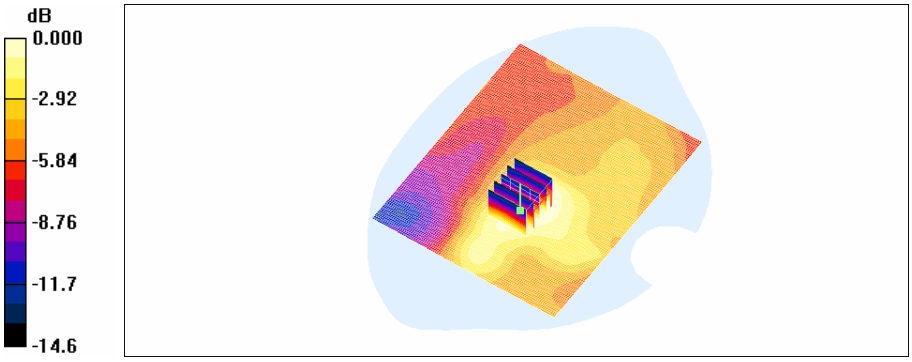
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 25/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.076 mW/g

PCS BODY 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.97 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.044 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.074 mW/g



0 dB = 0.074mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

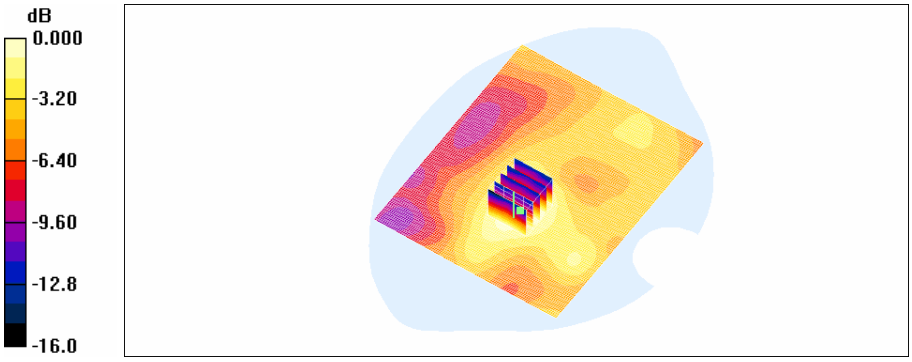
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.024 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.54 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.024mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

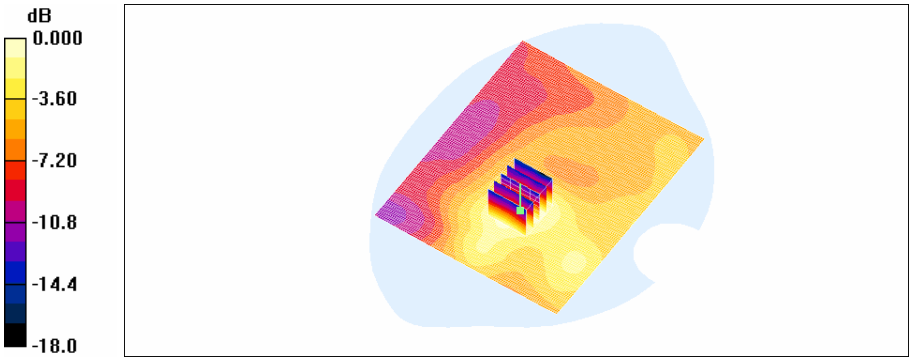
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 1175/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.036 mW/g

PCS BODY 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.13 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.053 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.020 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

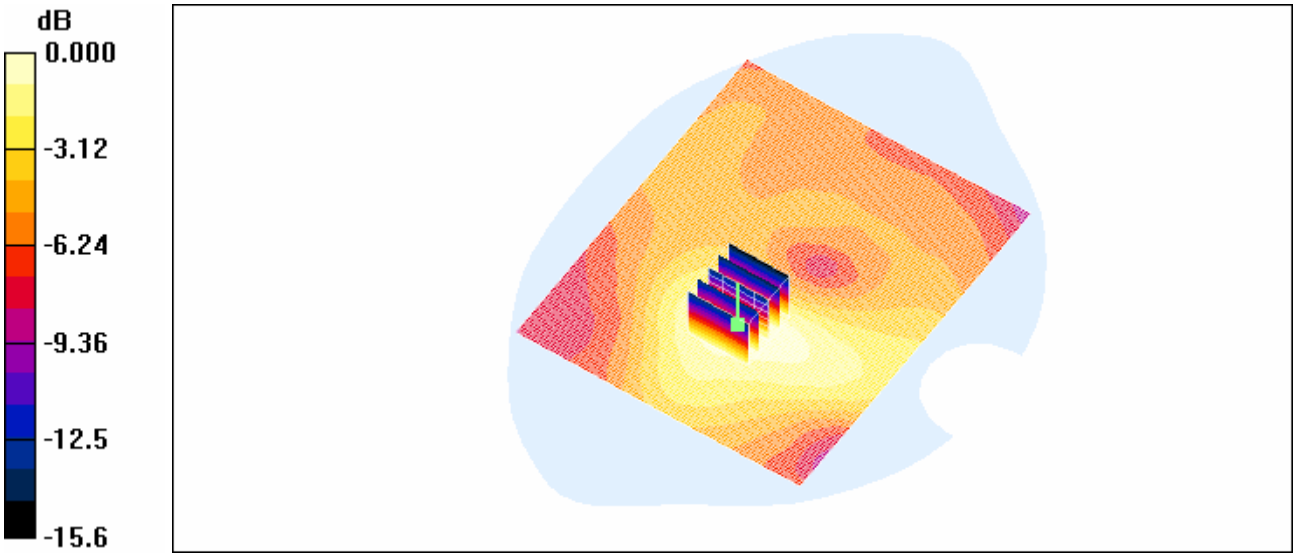
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 1800/1900 Phantom; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.233 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.45 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.234mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.98 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

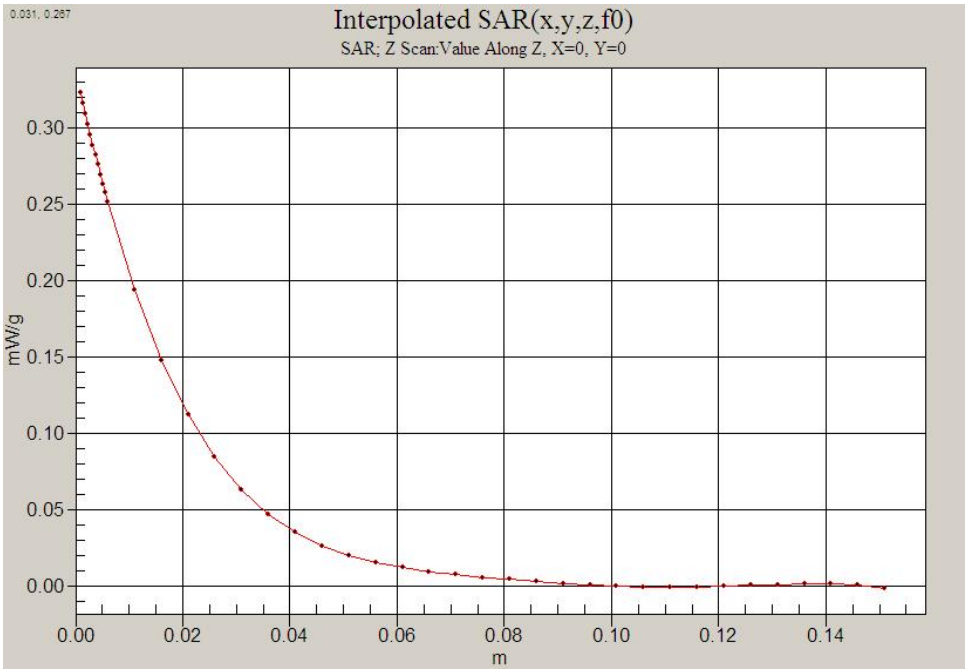
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.373 mW/g

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.229 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.372 mW/g



0 dB = 0.372mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.5 ℃
Ambient Temperature:	21.7 ℃
Test Date:	Oct.24, 2007
Option	EVDO

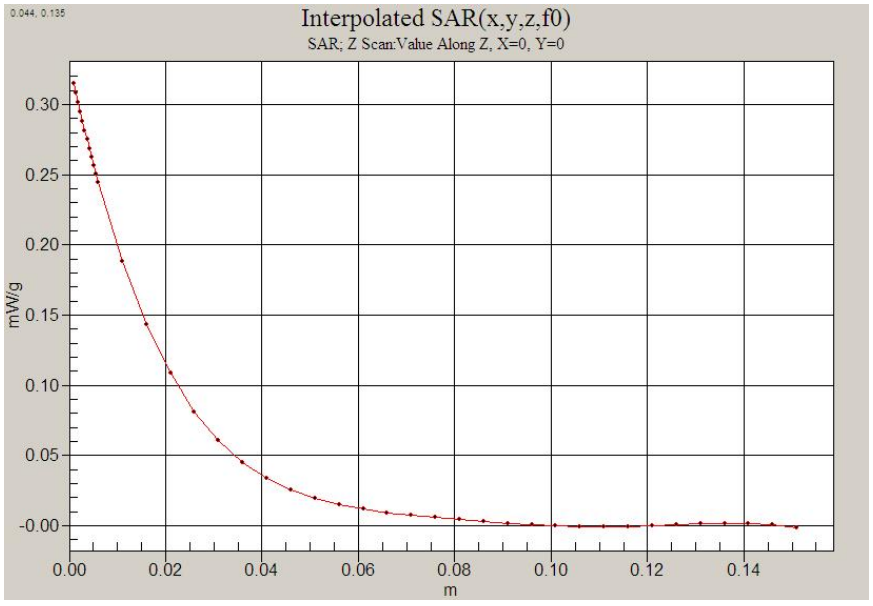
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.348 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.21 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.519 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.356 mW/g



0 dB = 0.356mW/g

● PC#2 Manufacturer / Model(s): H.P (Page 49 ~ 64)

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

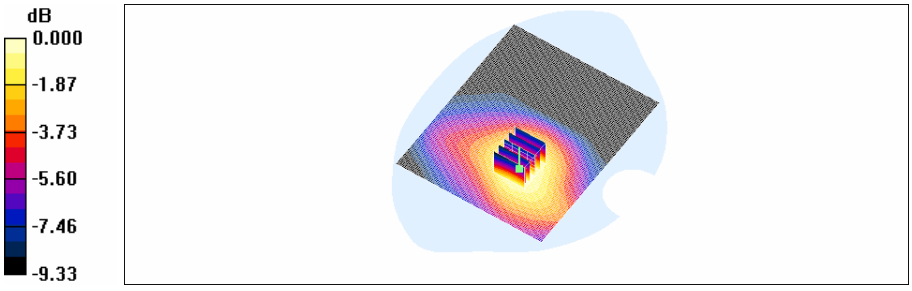
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.967 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.123 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.66 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



0 dB = 0.121mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.981 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

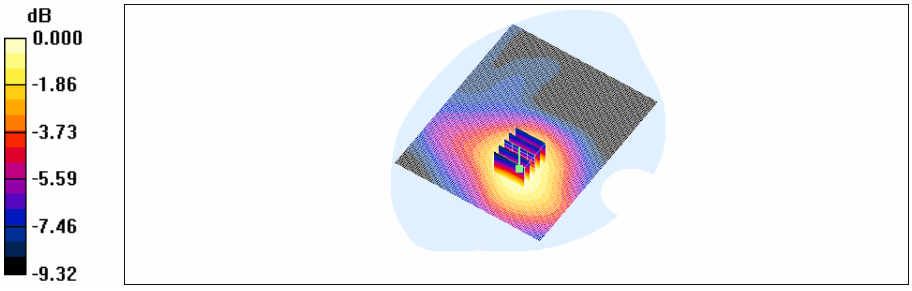
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

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

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.97 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.073 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.109 mW/g



0 dB = 0.109mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.996 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

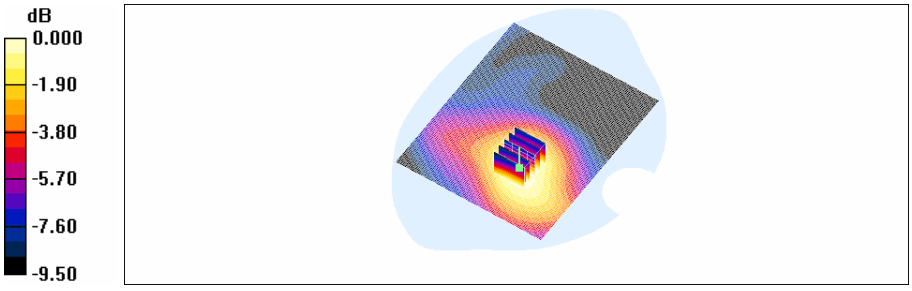
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.115 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.00 V/m; Power Drift = -0.204 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.075 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.112 mW/g



0 dB = 0.112mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

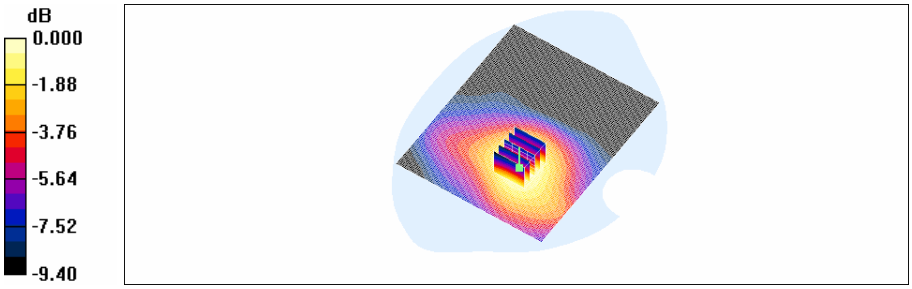
DUT: PX-600; Type: USB Modem (bottom); Serial:#1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.967 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.129 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.62 V/m; Power Drift = 0.090 dB
Peak SAR (extrapolated) = 0.167 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.129 mW/g



0 dB = 0.129mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.981 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

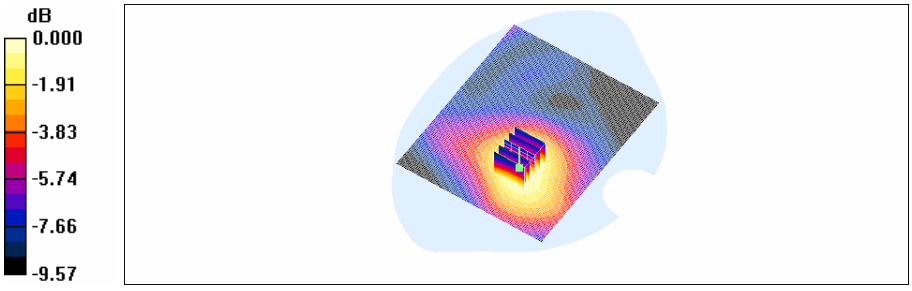
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

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

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.86 V/m; Power Drift = -0.125 dB
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.088 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.996 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

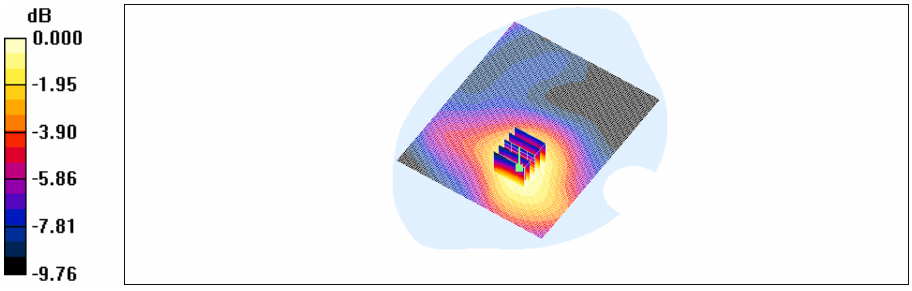
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.168 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.46 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.112 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.166mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (front-in); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.996 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

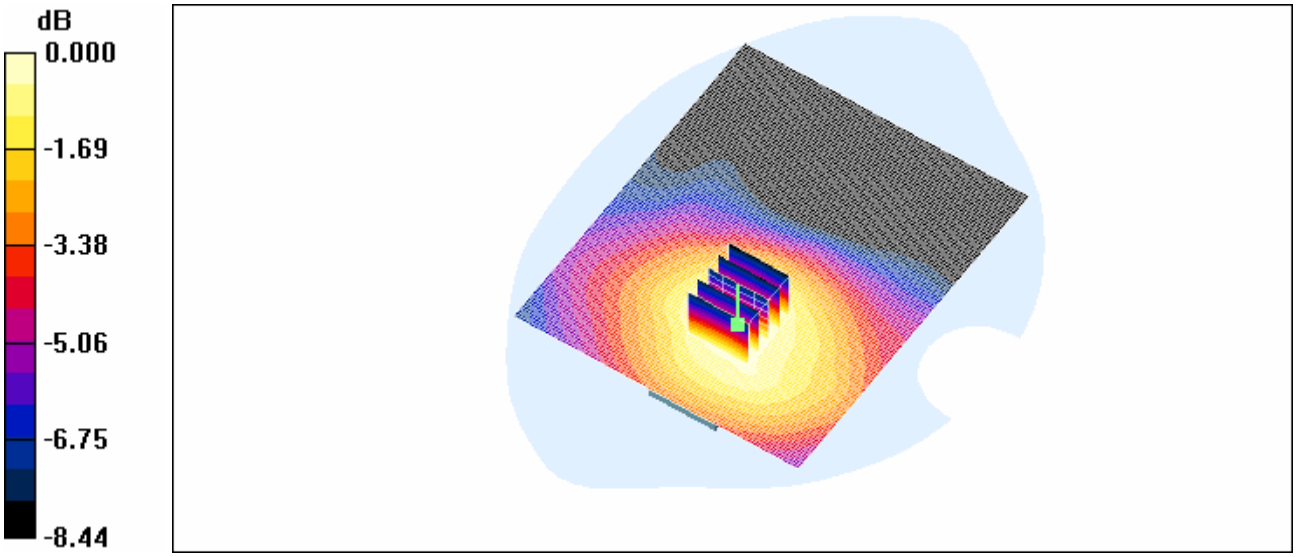
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 835/900 Phamtom ; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.118 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.36 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.078 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.114 mW/g



0 dB = 0.114mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

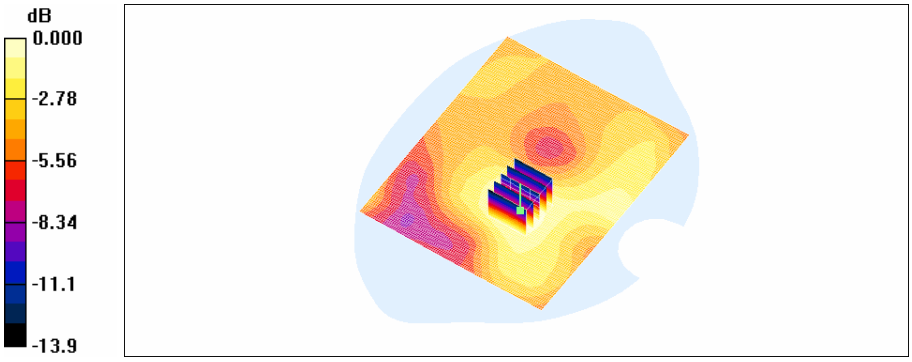
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 25/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.089 mW/g

PCS BODY 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.15 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.053 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.089 mW/g



0 dB = 0.089mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

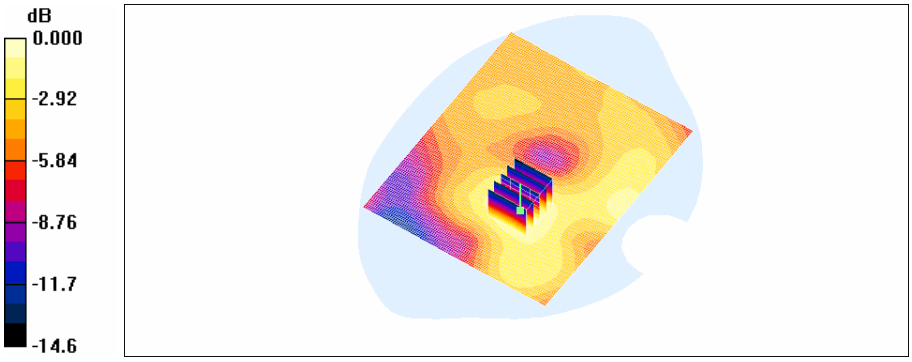
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.113 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.47 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.118 mW/g



0 dB = 0.118mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

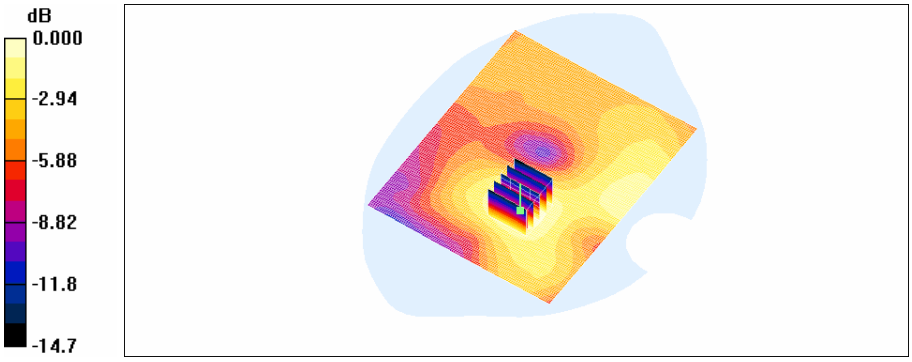
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 1175/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.108 mW/g

PCS BODY 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.85 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.062 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

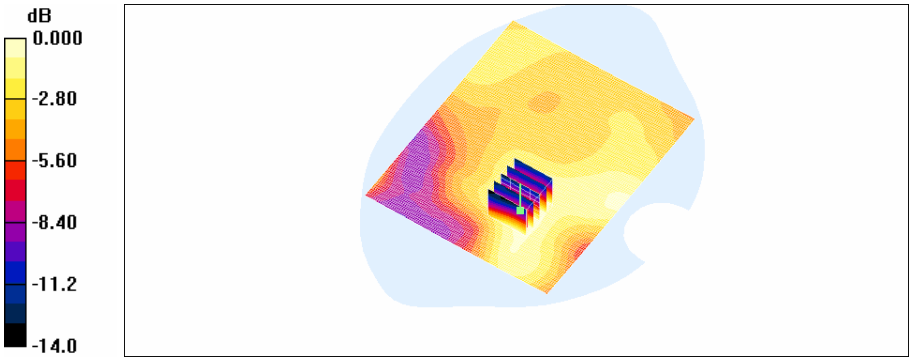
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 25/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.042 mW/g

PCS BODY 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.51 V/m; Power Drift = -0.200 dB
Peak SAR (extrapolated) = 0.059 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.025 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.042 mW/g



0 dB = 0.042mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

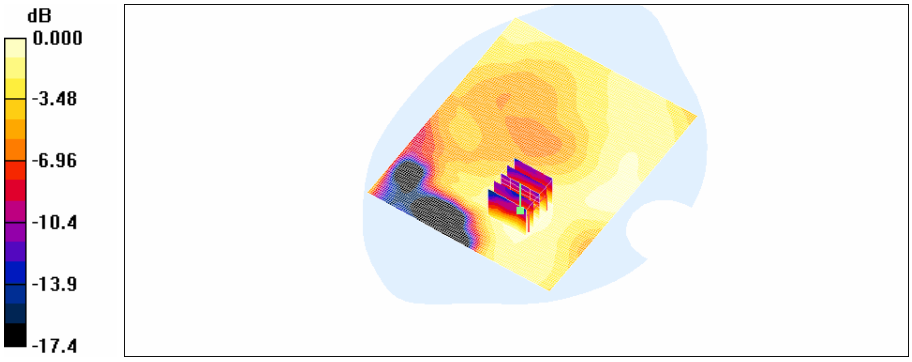
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.014 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.58 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.019 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00778 mW/g
Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

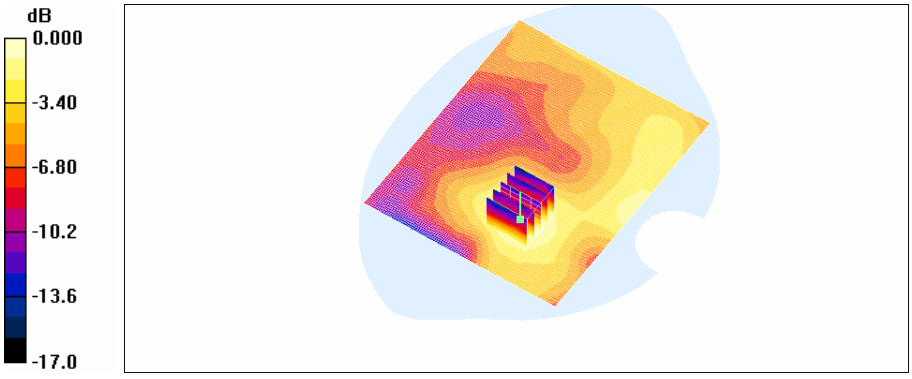
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 1175/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.022 mW/g

PCS BODY 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.92 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 0.032 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.012 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

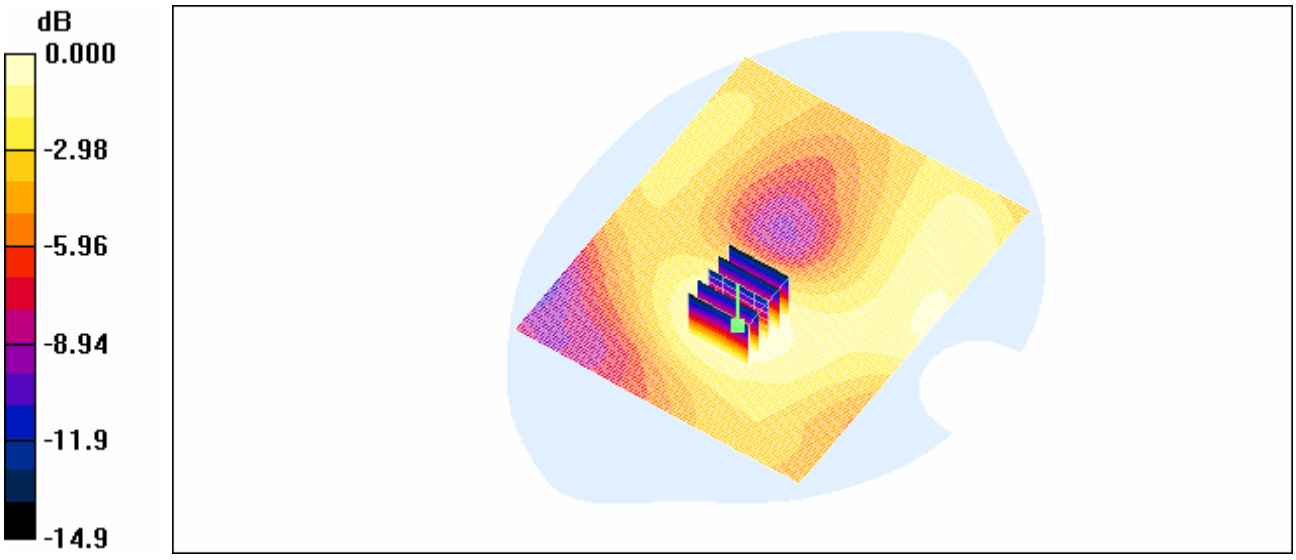
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 1800/1900 Phantom; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.102 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.52 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.140 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.104 mW/g



0 dB = 0.104mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.996 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

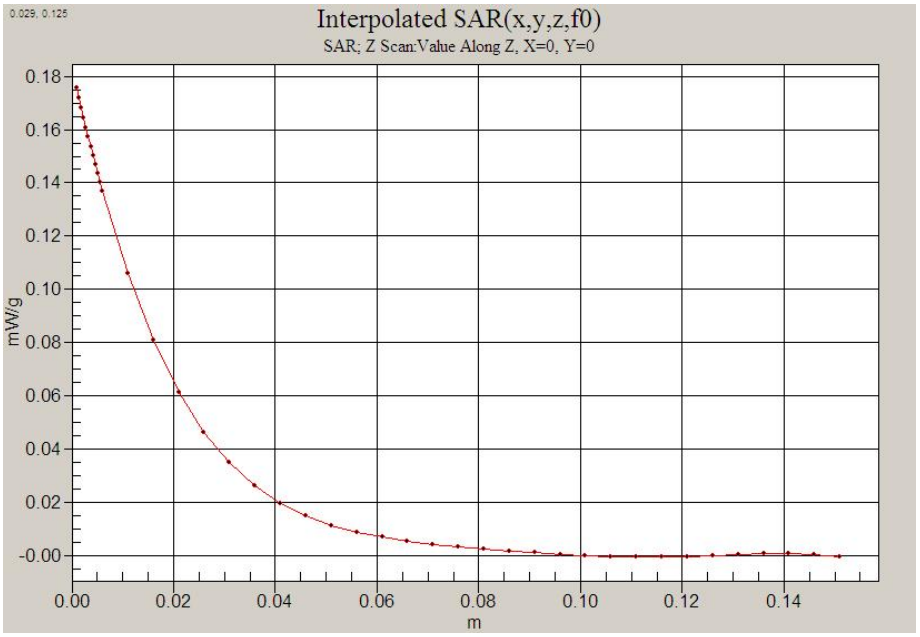
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.168 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.46 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.112 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.994mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/ EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.7 ℃
Ambient Temperature:	21.9 ℃
Test Date:	Oct.25, 2007
Option	EVDO

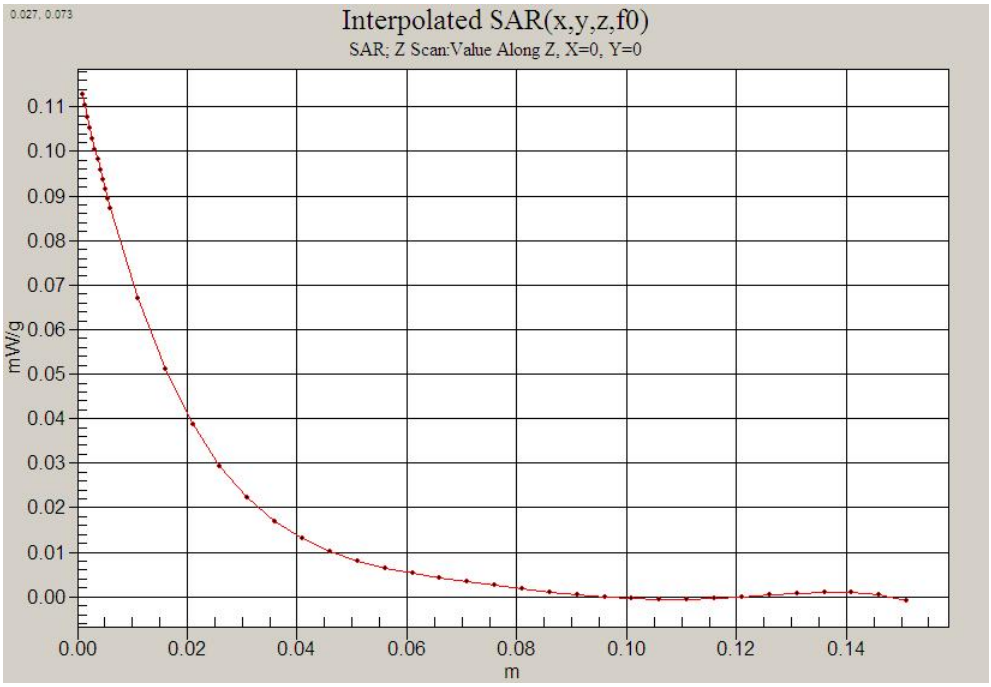
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.113 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.47 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.118 mW/g



0 dB = 0.521mW/g

● PC#3 Manufacturer / Model(s): COMPAQ (Page 66 ~ 81)

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

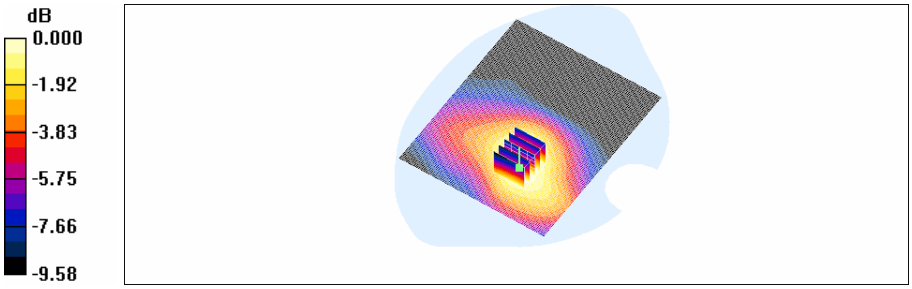
Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.147 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.63 V/m; Power Drift = -0.157 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.141 mW/g



0 dB = 0.141mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.982 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

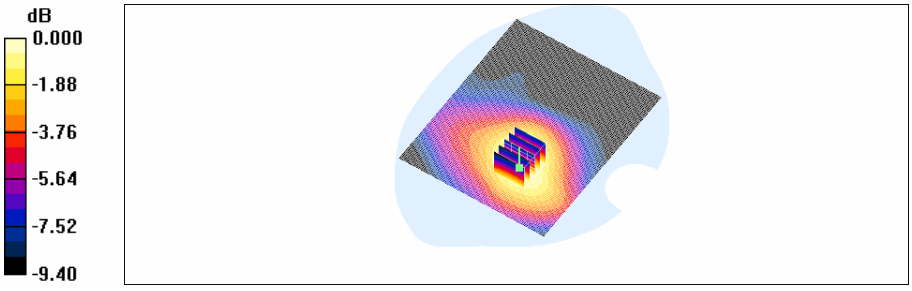
CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

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

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.86 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.086 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.129 mW/g



0 dB = 0.129mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.994 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

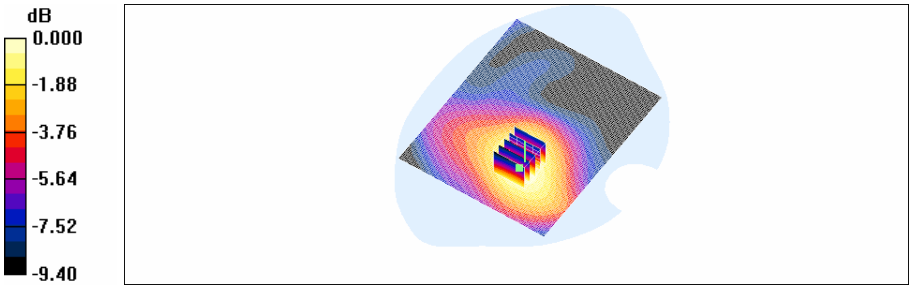
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.127 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.67 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.084 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.124 mW/g



0 dB = 0.124mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

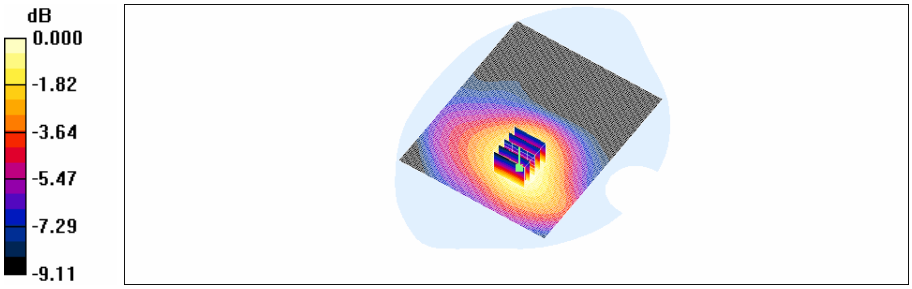
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 825 MHz; σ = 0.965 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 1013/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.140 mW/g

CDMA BODY 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.08 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.138 mW/g



0 dB = 0.138mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.982 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

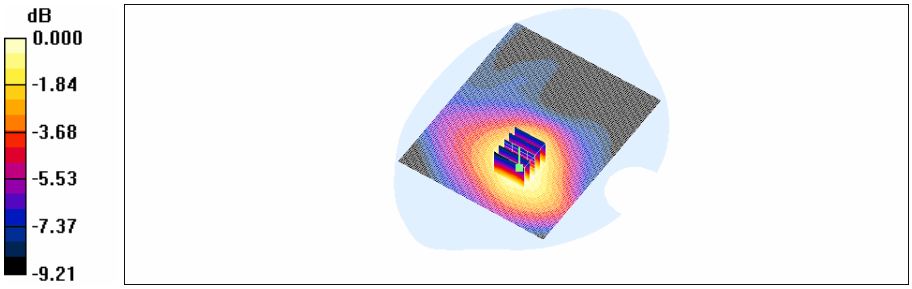
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 384/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.146 mW/g

CDMA BODY 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.44 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.097 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.144 mW/g



0 dB = 0.144mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.994 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

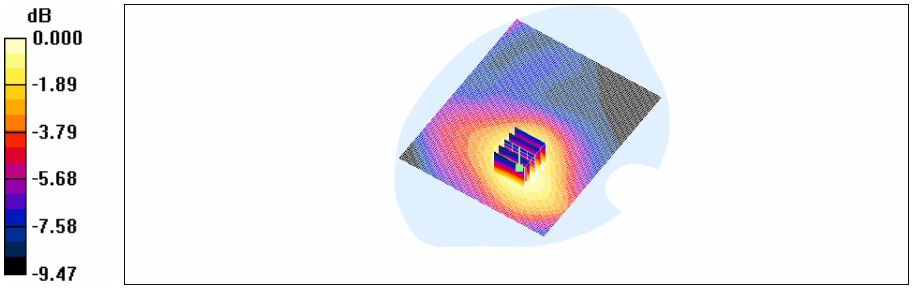
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.177 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.118 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.176 mW/g



0 dB = 0.176mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (front-in); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.994 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 835/900 Phamtom ; Type: SAM

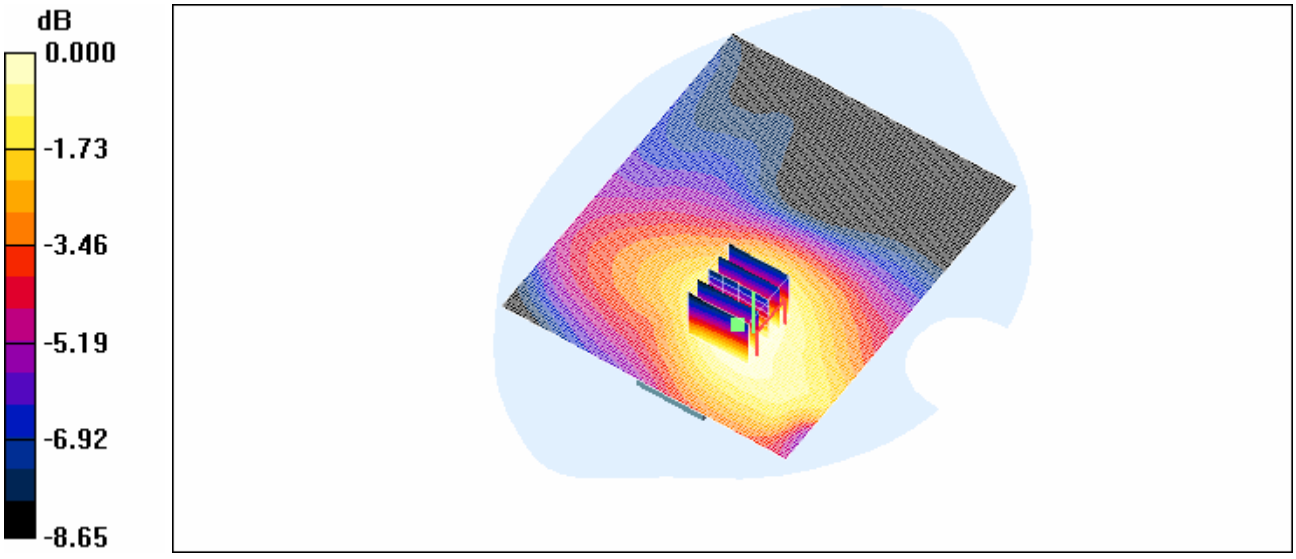
CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

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

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.13 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.088 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.125 mW/g



0 dB = 0.125mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial:#1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

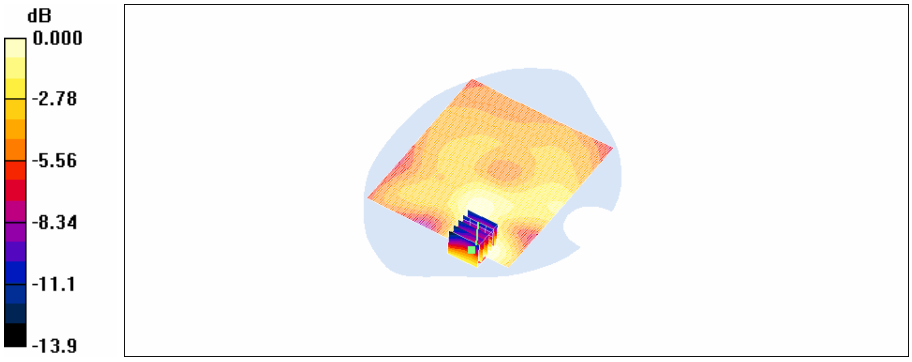
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Bottom 25/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.120 mW/g

PCS Bottom 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.39 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.141 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.071 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.114 mW/g



0 dB = 0.114mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

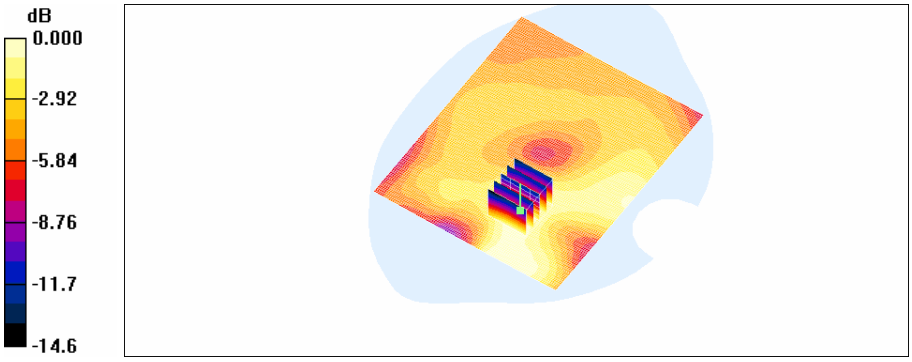
DUT: PX-600; Type: USB Modem (bottom); Serial:#1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Bottom 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g

PCS Bottom 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.39 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

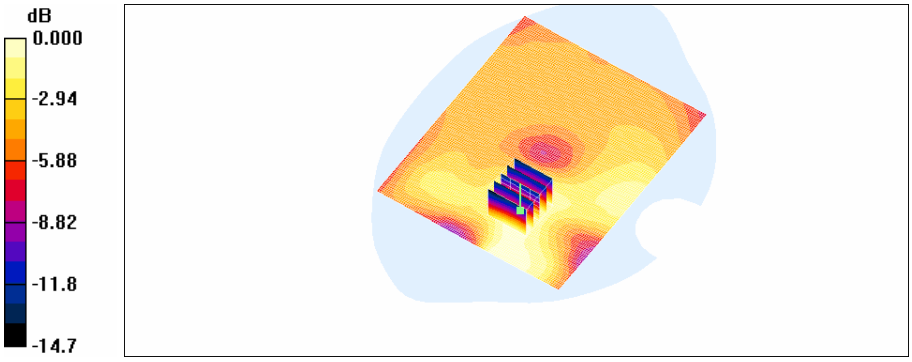
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Bottom 1175/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.107 mW/g

PCS Bottom 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.81 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.063 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

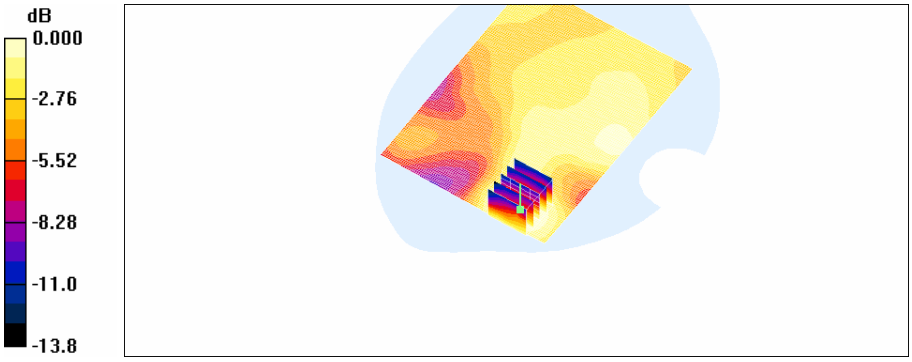
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 25/Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.039 mW/g

PCS BODY 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.38 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 0.046 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.023 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

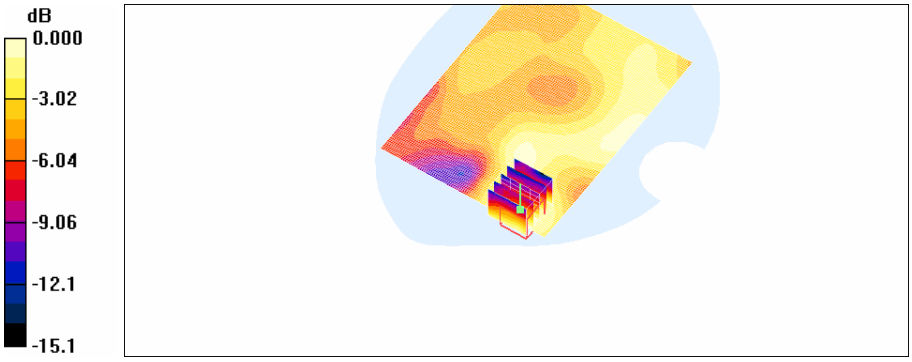
DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 600/Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.013 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.78 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.0083 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



0 dB = 0.014mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.57 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

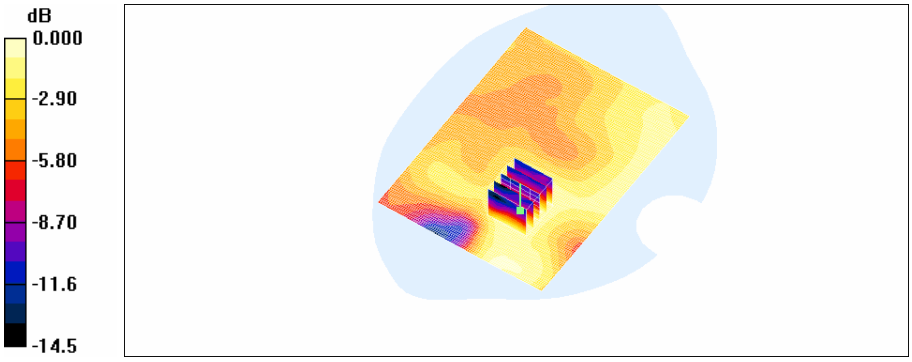
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS BODY 1175/Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.015 mW/g

PCS BODY 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.99 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 0.023 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00939 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.016 mW/g



0 dB = 0.016mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

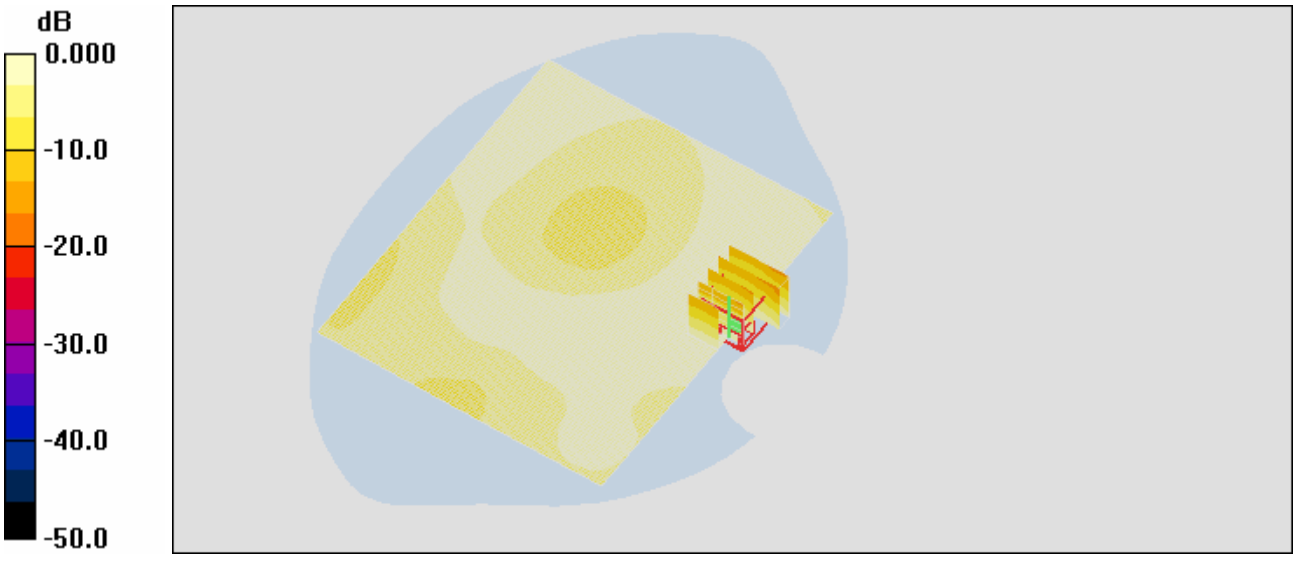
Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: 1800/1900 Phantom; Type: SAM

PCS BODY 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.078 mW/g

PCS BODY 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.38 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 0.115 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.082 mW/g



0 dB = 0.082mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	Out
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

DUT: PX-600; Type: USB Modem (bottom); Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.994 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

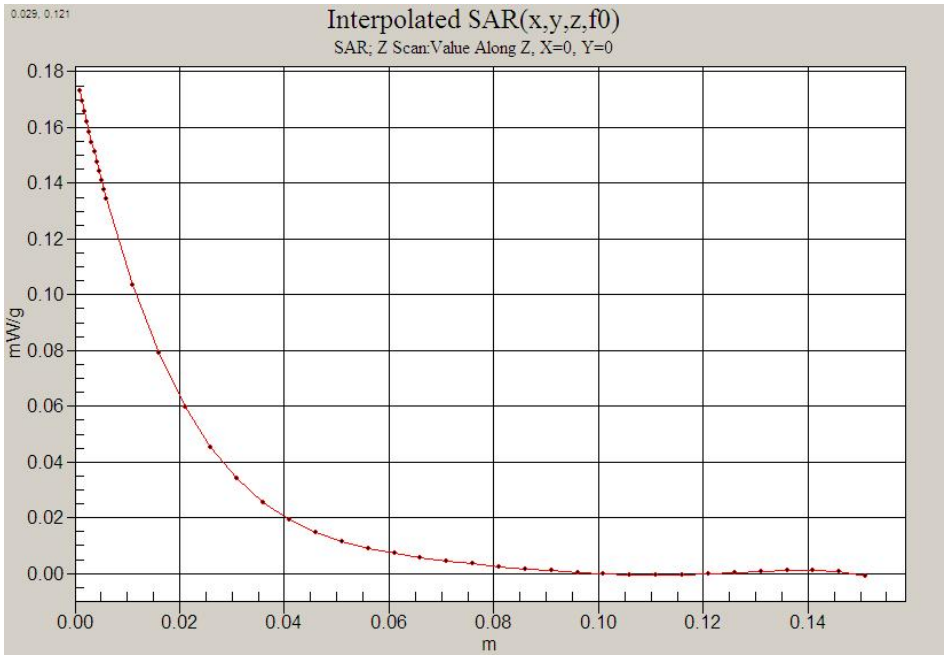
DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.49, 6.49, 6.49); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA BODY 777/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.177 mW/g

CDMA BODY 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.118 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.176 mW/g



0 dB = 0.176mW/g

Test Laboratory:	HCT CO., LTD
EUT Type:	Dual-Band CDMA/EVDO USB Modem
Antenna Position	In
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	Oct.26, 2007
Option	EVDO

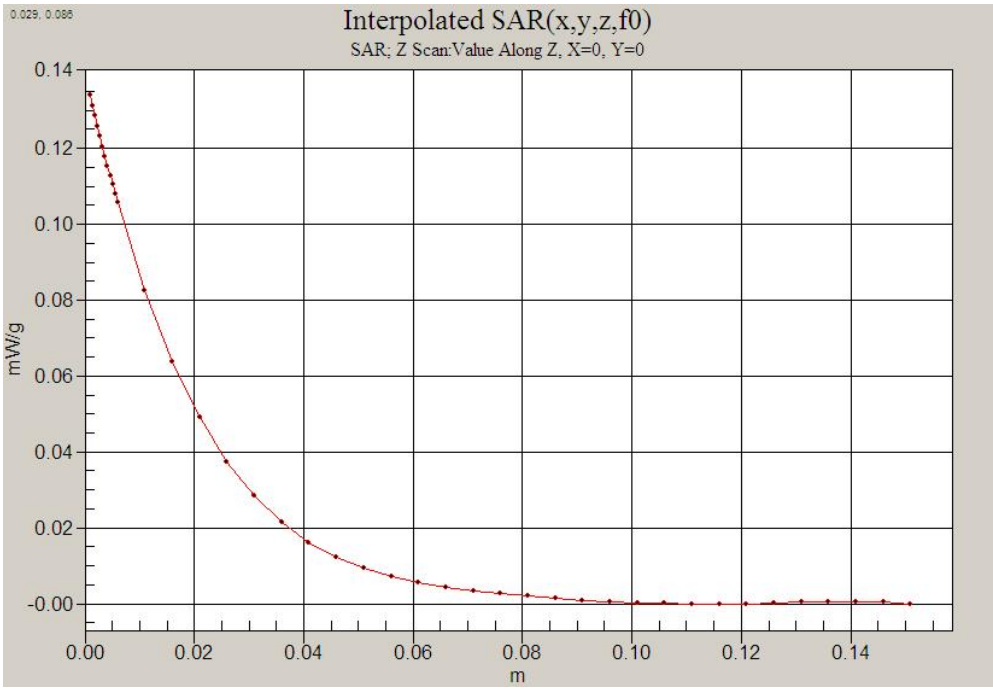
DUT: PX-600; Type: USB Modem (bottom); Serial:#1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.74, 4.74, 4.74); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Bottom 600/Area Scan (101x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g

PCS Bottom 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.39 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

Attachment 2. – Dipole Validation Plots

■ Validation Data (835 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.5

Test Date: Oct.24, 2007

DUT: Dipole 835 MHz; Serial: D835V2 - SN:481

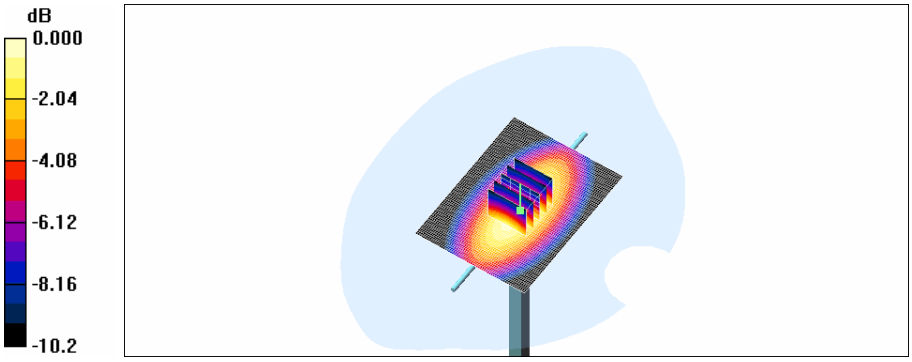
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.891 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.81, 6.81, 6.81); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

Validatoin 835 MHz/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.5 mW/g

Validatoin 835 MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 111.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 9.8 mW/g; SAR(10 g) = 6.49 mW/g
Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

■ Validation Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.5

Test Date: Oct.24, 2007

DUT: Dipole 1900 MHz; Serial: D1900V2 – SN: 5d032

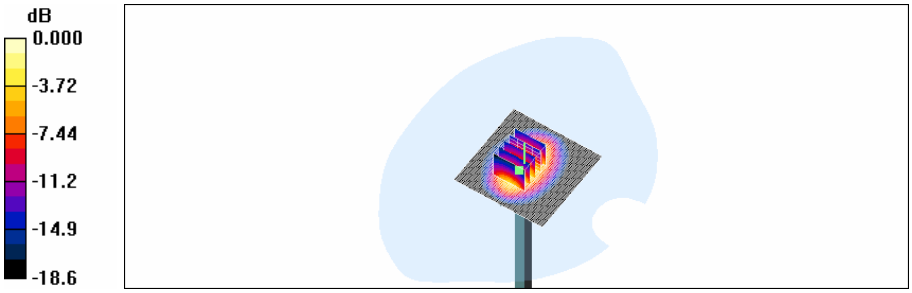
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.42 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(5.36, 5.36, 5.36); Calibrated: 07-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 07-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

Validation 1900MHz/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 46.6 mW/g

Validation 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 185.4 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 65.4 W/kg
SAR(1 g) = 38.3 mW/g; SAR(10 g) = 20.3 mW/g
Maximum value of SAR (measured) = 42.6 mW/g



0 dB = 42.6mW/g

■ Dielectric Parameter (835 MHz Head)

Title	PX-600
SubTitle	CDMA835(Head)
Test Date	Oct.24, 2007

Frequency	e'	e''
800000000	40.7704	19.1876
805000000	40.7494	19.2546
810000000	40.8447	19.2900
815000000	40.8302	19.2361
820000000	40.8001	19.2613
825000000	40.8121	19.2431
830000000	40.8048	19.2301
835000000	40.7898	19.1877
840000000	40.7083	19.2058
845000000	40.6954	19.1478
850000000	40.5746	19.1099
855000000	40.4870	19.1305
860000000	40.3673	19.0681
865000000	40.2664	19.0319
870000000	40.1447	19.0074
875000000	39.9659	18.9543
880000000	39.8469	18.9106
885000000	39.7154	18.9063
890000000	39.5868	18.8718
895000000	39.5329	18.8514
900000000	39.4089	18.8416

■ Dielectric Parameter (835 MHz Body)

Title	PX-600
SubTitle	CDMA835(Body)
Test Date	Oct.24, 2007

Frequency	e'	e''
800000000	55.2968	21.2062
805000000	55.2252	21.1685
810000000	55.1622	21.1508
815000000	55.0764	21.1136
820000000	55.0584	21.0745
825000000	54.9827	21.0737
830000000	54.8909	21.0402
835000000	54.8725	21.0519
840000000	54.7722	21.0775
845000000	54.7858	21.0659
850000000	54.7451	21.0965
855000000	54.6871	21.0354
860000000	54.6450	21.0989
865000000	54.5963	21.0566
870000000	54.5898	21.0521
875000000	54.5310	21.0624
880000000	54.4906	21.0071
885000000	54.4691	20.9713
890000000	54.4547	20.9117
895000000	54.4070	20.9130
900000000	54.3532	20.8435

■ Dielectric Parameter (1900 MHz Head)

Title	PX-600
SubTitle	PCS1900(Head)
Test Date	Oct.24, 2007

Frequency	e'	e''
1800000000	40.0674	13.0686
1810000000	39.9382	13.0883
1820000000	39.8075	13.1126
1830000000	39.6982	13.1637
1840000000	39.5745	13.2032
1850000000	39.5347	13.2541
1860000000	39.4992	13.2665
1870000000	39.4949	13.2983
1880000000	39.5111	13.3229
1890000000	39.5332	13.3553
1900000000	39.5086	13.3873
1910000000	39.4729	13.3818
1920000000	39.3981	13.3783
1930000000	39.2701	13.4185
1940000000	39.1536	13.4194
1950000000	39.0389	13.4524
1960000000	38.9194	13.4892
1970000000	38.8601	13.5398
1980000000	38.8498	13.5963
1990000000	38.8707	13.6585
2000000000	38.9192	13.6640

■ Dielectric Parameter (1900 MHz Body)

Title	PX-600
SubTitle	PCS1900(Body)
Test Date	Oct.24, 2007

Frequency	e'	e''
1850000000	52.1918	14.6525
1855000000	52.1995	14.6679
1860000000	52.1610	14.6877
1865000000	52.1815	14.6919
1870000000	52.1158	14.7287
1875000000	52.1138	14.7309
1880000000	52.1180	14.7315
1885000000	52.1173	14.7869
1890000000	52.0734	14.7689
1895000000	52.0612	14.7697
1900000000	52.0400	14.7643
1905000000	52.0736	14.8032
1910000000	52.0305	14.8285
1915000000	52.0211	14.8305
1920000000	52.0271	14.8295
1925000000	52.0034	14.8663
1930000000	51.9623	14.8758
1935000000	51.9628	14.8907
1940000000	51.9467	14.9028
1945000000	51.9753	14.9279
1950000000	51.9013	14.9504

■ Validation Data (835 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.7

Test Date: Oct.25, 2007

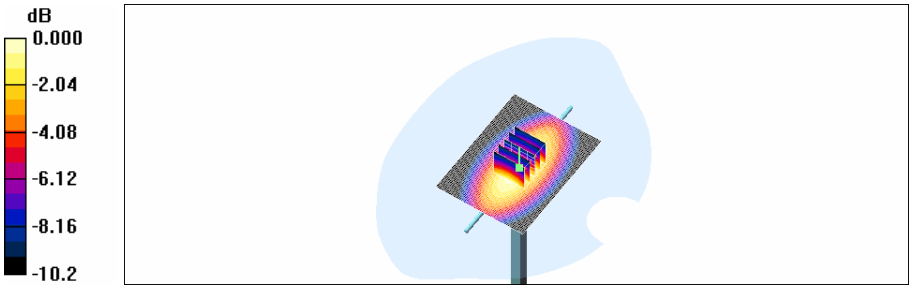
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 – SN:481

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.89 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.81, 6.81, 6.81); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

Validatoin 835 MHz/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.5 mW/g

Validatoin 835 MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 111.7 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 9.81 mW/g; SAR(10 g) = 6.5 mW/g
Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

■ Validation Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.7

Test Date: Oct.25, 2007

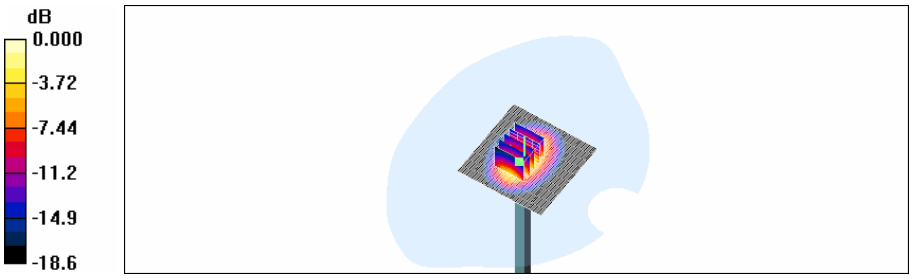
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 – SN:5d032

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 – SN1609; ConvF(5.36, 5.36, 5.36); Calibrated: 07-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 07-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

Validation 1900MHz/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 45.6 mW/g

Validation 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 184.1 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 64.0 W/kg
SAR(1 g) = 37.5 mW/g; SAR(10 g) = 20 mW/g
Maximum value of SAR (measured) = 41.8 mW/g



0 dB = 41.8mW/g

■ Dielectric Parameter (835 MHz Head)

Title	PX-600
SubTitle	CDMA835(Head)
Test Date	Oct.25, 2007

Frequency	e'	e''
800000000	40.7298	19.1983
805000000	40.7010	19.2350
810000000	40.7296	19.2615
815000000	40.7211	19.2279
820000000	40.7967	19.2090
825000000	40.7575	19.2367
830000000	40.7686	19.2136
835000000	40.7108	19.1674
840000000	40.7003	19.1766
845000000	40.6597	19.1317
850000000	40.5677	19.1222
855000000	40.4600	19.1072
860000000	40.3536	19.0924
865000000	40.1898	19.0127
870000000	40.0925	19.0018
875000000	39.9114	18.9395
880000000	39.7952	18.9052
885000000	39.6447	18.9212
890000000	39.5356	18.8664
895000000	39.4630	18.8317
900000000	39.4369	18.8877

■ Dielectric Parameter (835 MHz Body)

Title	PX-600
SubTitle	CDMA835(Body)
Test Date	Oct.25, 2007

Frequency	e'	e''
800000000	55.2620	21.1730
805000000	55.1998	21.0981
810000000	55.1354	21.1549
815000000	55.0650	21.0671
820000000	55.0350	21.0719
825000000	54.9908	21.0652
830000000	54.8793	21.0390
835000000	54.8227	21.0815
840000000	54.7583	21.0992
845000000	54.7798	21.0791
850000000	54.7104	21.1205
855000000	54.6730	21.0843
860000000	54.6009	21.0400
865000000	54.5645	21.0580
870000000	54.5883	21.0205
875000000	54.5517	21.0330
880000000	54.4731	21.0032
885000000	54.4865	20.9750
890000000	54.4591	20.9364
895000000	54.3807	20.9129
900000000	54.3486	20.8715

■ Dielectric Parameter (1900 MHz Head)

Title	PX-600
SubTitle	PCS1900(Head)
Test Date	Oct.25, 2007

Frequency	e'	e''
1800000000	40.0639	13.0829
1810000000	39.9402	13.1113
1820000000	39.8114	13.1435
1830000000	39.7096	13.1627
1840000000	39.6019	13.2133
1850000000	39.5191	13.2579
1860000000	39.4669	13.2628
1870000000	39.4649	13.2933
1880000000	39.4848	13.3097
1890000000	39.4983	13.3566
1900000000	39.5032	13.3788
1910000000	39.4618	13.3830
1920000000	39.3592	13.3915
1930000000	39.2428	13.4036
1940000000	39.1199	13.4354
1950000000	39.0048	13.4540
1960000000	38.8971	13.4773
1970000000	38.8358	13.5381
1980000000	38.8133	13.6028
1990000000	38.8404	13.6435
2000000000	38.8869	13.6854

■ Dielectric Parameter (1900 MHz Body)

Title	PX-600
SubTitle	PCS1900(Body)
Test Date	Oct.25, 2007

Frequency	e'	e''
1850000000	52.1956	14.6528
1855000000	52.2049	14.6452
1860000000	52.1646	14.6918
1865000000	52.1743	14.6837
1870000000	52.1392	14.7225
1875000000	52.1116	14.7366
1880000000	52.1039	14.7440
1885000000	52.1128	14.7656
1890000000	52.0587	14.7928
1895000000	52.0676	14.7891
1900000000	52.0330	14.7886
1905000000	52.0587	14.7987
1910000000	52.0470	14.8388
1915000000	52.0143	14.8151
1920000000	52.0221	14.8556
1925000000	51.9811	14.8577
1930000000	51.9581	14.8868
1935000000	51.9657	14.9096
1940000000	51.9454	14.9328
1945000000	51.9491	14.9268
1950000000	51.9145	14.9490

■ Validation Data (835 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.3

Test Date: Oct.26, 2007

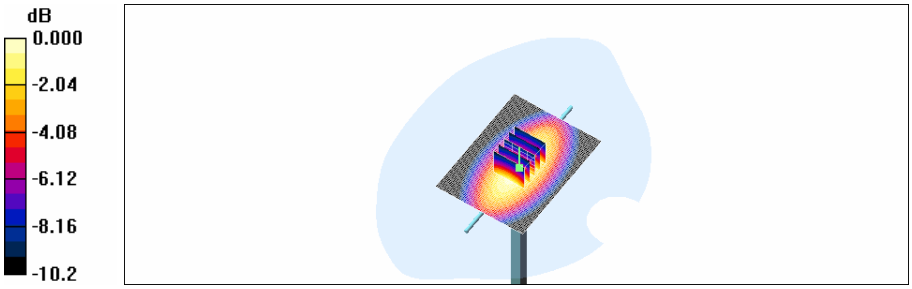
DUT: Dipole 835 MHz; Serial: D835V2 – SN: 481

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.889 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.81, 6.81, 6.81); Calibrated: 2007-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 2007-01-25
- Phantom: SAM 835/900 MHz; Type: SAM

Validatoin 835 MHz/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.6 mW/g

Validatoin 835 MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 111.8 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 9.85 mW/g; SAR(10 g) = 6.51 mW/g
Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

■ Validation Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD

Input Power 1W (30dBm)

Liquid Temp: 21.3

Test Date: Oct.26, 2007

DUT: Dipole 1900 MHz; Serial: D1900V2 – SN:5d032

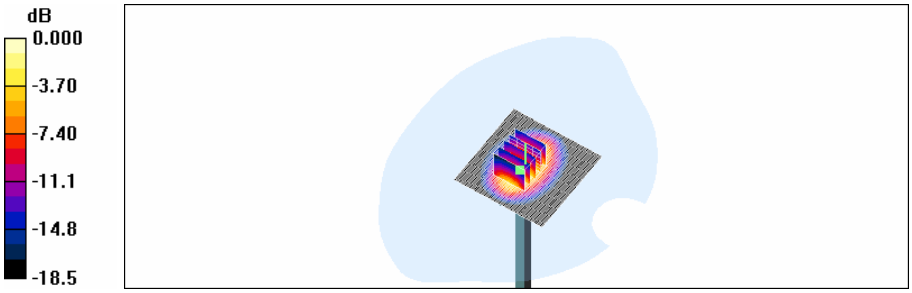
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(5.36, 5.36, 5.36); Calibrated: 07-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn466; Calibrated: 07-01-25
- Phantom: SAM 1800/1900 MHz; Type: SAM

Validation 1900MHz/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 45.9 mW/g

Validation 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 185.5 V/m; Power Drift = -0.091 dB
Peak SAR (extrapolated) = 63.8 W/kg
SAR(1 g) = 37.3 mW/g; SAR(10 g) = 19.9 mW/g
Maximum value of SAR (measured) = 41.4 mW/g



0 dB = 41.4mW/g

■ Dielectric Parameter (835 MHz Head)

Title	PX-600
SubTitle	CDMA835(Head)
Test Date	Oct.26, 2007

Frequency	e'	e''
800000000	40.9284	19.2111
805000000	40.8812	19.2629
810000000	40.8326	19.2449
815000000	40.8448	19.2108
820000000	40.8039	19.1964
825000000	40.7575	19.2367
830000000	40.7232	19.1628
835000000	40.7014	19.1333
840000000	40.6115	19.1385
845000000	40.5859	19.0898
850000000	40.4638	19.1200
855000000	40.3974	19.1041
860000000	40.2777	19.1136
865000000	40.2487	19.0776
870000000	40.1532	19.0557
875000000	40.0636	19.0326
880000000	40.0004	19.0277
885000000	39.8755	18.9956
890000000	39.7876	18.9488
895000000	39.7249	18.9350
900000000	39.6847	18.9447

■ Dielectric Parameter (835 MHz Body)

Title	PX-600
SubTitle	CDMA835(Body)
Test Date	Oct.26, 2007

Frequency	e'	e''
800000000	55.2932	21.1961
805000000	55.2015	21.1657
810000000	55.1554	21.1476
815000000	55.1088	21.0792
820000000	55.0288	21.0854
825000000	54.9964	21.0352
830000000	54.8987	21.0762
835000000	54.8329	21.0943
840000000	54.7528	21.0847
845000000	54.7492	21.0851
850000000	54.7115	21.0655
855000000	54.6563	21.0689
860000000	54.6486	21.1084
865000000	54.5666	21.0357
870000000	54.5779	21.0352
875000000	54.5298	21.0041
880000000	54.4983	20.9721
885000000	54.4481	20.9583
890000000	54.4399	20.9545
895000000	54.3870	20.9157
900000000	54.3586	20.8570

■ Dielectric Parameter (1900 MHz Head)

Title	PX-600
SubTitle	PCS1900(Head)
Test Date	Oct.26, 2007

Frequency	e'	e''
1800000000	40.0418	13.0964
1810000000	39.9676	13.1066
1820000000	39.8676	13.1512
1830000000	39.7504	13.1798
1840000000	39.6105	13.2321
1850000000	39.5461	13.2531
1860000000	39.5164	13.2558
1870000000	39.4856	13.3072
1880000000	39.4708	13.3394
1890000000	39.4805	13.3708
1900000000	39.4857	13.3840
1910000000	39.4807	13.4124
1920000000	39.4125	13.4282
1930000000	39.3041	13.4348
1940000000	39.1904	13.4309
1950000000	39.0667	13.4637
1960000000	38.9676	13.4958
1970000000	38.9157	13.5444
1980000000	38.8740	13.6155
1990000000	38.8559	13.6537
2000000000	38.9064	13.6754

■ Dielectric Parameter (1900 MHz Body)

Title	PX-600
SubTitle	PCS1900(Body)
Test Date	Oct.26, 2007

Frequency	e'	e''
1850000000	52.1908	14.6389
1855000000	52.1916	14.6424
1860000000	52.1585	14.6683
1865000000	52.1779	14.6878
1870000000	52.1189	14.7403
1875000000	52.1179	14.7274
1880000000	52.1093	14.7501
1885000000	52.0909	14.7815
1890000000	52.0500	14.7789
1895000000	52.0654	14.7947
1900000000	52.0180	14.7839
1905000000	52.0296	14.8104
1910000000	52.0299	14.8038
1915000000	52.0152	14.8359
1920000000	52.0146	14.8552
1925000000	51.9937	14.8320
1930000000	51.9549	14.8754
1935000000	51.9510	14.9014
1940000000	51.9610	14.9185
1945000000	51.9496	14.9156
1950000000	51.9178	14.9603