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CERTIFICATE OF COMPLIANCE SAR EVALUATION

Navini Networks, Inc.
2240 Campbell Creek Rd., Suite 110
Richardson, TX 75082

Dates of Test: April 21-22, 24-26, 2008
Test Report Number: SAR.20080405
Revision A

FCC ID:	PL6-2500-PCM19-R3
Model(s):	2500-2686 PMX
Test Sample:	Pre-Production Unit same as Production
Serial No.:	1208-FFAE1CA6
Equipment Type:	PCMCIA Wireless Modem
Classification:	Portable Transmitter Next to Body
TX Frequency Range:	2500 – 2686 MHz
Frequency Tolerance:	± 2.5 ppm
Maximum RF Output:	25.0 dBm Conducted
Signal Modulation:	OFDM/CDMA
Antenna Type (Length):	(2) Internal, (1) External Fixed (85mm x 18 mm)
Battery:	Power Supplied by Laptop Battery
Application Type:	Certification
FCC Rule Parts:	Part 27C

This wireless mobile and/or portable device has been shown to be compliant for localized specific absorption rate (SAR) for uncontrolled environment/general exposure limits specified in ANSI/IEEE Std. C95.1-1999 and had been tested in accordance with the measurement procedures specified in IEEE 1528-2003, OET Bulletin 65 Supp. C, RSS-102 and Safety Code 6 (See test report).

I attest to the accuracy of the data. All measurements were performed by myself or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RF Exposure Lab, LLC certifies that no party to this application has been denied FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a).

Jay M. Moulton
Vice President



Certificate # 2387.01

Table of Contents

1.	Introduction	3
	SAR Definition [4].....	3
2.	SAR Measurement Setup	4
	Robotic System	4
	System Hardware	4
	System Description	4
	E-Field Probe	5
3.	Robot Specifications	7
4.	Probe and Dipole Calibration	8
5.	Phantom & Simulating Tissue Specifications	9
	SAM Phantom	9
	Brain & Muscle Simulating Mixture Characterization	9
	Device Holder	9
6.	Body Worn Configurations	10
7.	ANSI/IEEE C95.1 – 1992 RF Exposure Limits [2].....	11
	Uncontrolled Environment.....	11
	Controlled Environment	11
8.	Measurement Uncertainty	12
9.	System Validation	13
	Tissue Verification.....	13
	Test System Verification	13
10.	SAR Test Data Summary	14
	See Measurement Result Data Pages.....	14
	Procedures Used To Establish Test Signal.....	14
	Device Test Condition	14
	Device Information	14
	SAR Data Summary – 2590 MHz Muscle	15
	SAR Data Summary – 2590 MHz Muscle	16
	SAR Data Summary – 2590 MHz Muscle	17
	SAR Data Summary – 2590 MHz Muscle	18
	SAR Data Summary – 2590 MHz Muscle	19
	SAR Data Summary – 2590 MHz Muscle	20
	SAR Data Summary – 2590 MHz Muscle	21
	SAR Data Summary – 2590 MHz Muscle	22
	SAR Data Summary – 2590 MHz Muscle	23
	SAR Data Summary – 2590 MHz Muscle	24
	SAR Data Summary – 2590 MHz Muscle	25
	SAR Data Summary – 2590 MHz Muscle	26
11.	Test Equipment List	27
12.	Conclusion	28
13.	References	29
	Appendix A – System Validation Plots and Data	30
	Appendix B – SAR Test Data Plots.....	48
	Appendix C – SAR Test Setup Photos	229
	Appendix D – Probe Calibration Data Sheets	239
	Appendix E – Dipole Calibration Data Sheets	250
	Appendix F – Phantom Calibration Data Sheets	262

1. Introduction

This measurement report shows compliance of the Navini Networks, Inc. Model 2500-2686 PMX FCC ID: PL6-2500-PCM19-R3 with FCC Part 2, 1093, ET Docket 93-62 Rules for mobile and portable devices. The FCC have adopted the guidelines for evaluating the environmental effects of radio frequency radiation in ET Docket 93-62 on August 6, 1996 to protect the public and workers from the potential hazards of RF emissions due to FCC regulated portable devices. [1]

The test procedures, as described in ANSI C95.1 – 1999 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [2], ANSI C95.3 – 2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields [3], FCC OET Bulletin 65 Supp. C – 2001 [4], IEEE Std.1528 – 2003 Recommended Practice [5], and Industry Canada Safety Code 6 Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3kHz to 300 GHz were employed.

SAR Definition [4]

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ).

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

SAR is expressed in units of watts per kilogram (W/kg). SAR can be related to the electric field at a point by

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

where:

σ = conductivity of the tissue (S/m)

ρ = mass density of the tissue (kg/m³)

E = rms electric field strength (V/m)

2. SAR Measurement Setup

Robotic System

The measurements are conducted utilizing the ALSAS-10-U automated dosimetric assessment system. The ALSAS-10-U is designed and manufactured by April Laboratories in Nepean, Ontario, Canada. The system utilizes a Robcomm 3 robot manufactured by ThermoCRS located in Michigan USA.

System Hardware

The system consists of a six axis articulated arm, controller for precise probe positioning (0.05 mm repeatability), a power supply, a teach pendant for teaching area scans, near field probe, an IBM Pentium 4™ 2.66 GHz PC with Windows XP Pro™, and custom software developed to enable communications between the robot controller software and the host operating system.

An amplifier is located on the articulated arm, which is isolated from the custom designed end effector and robot arm. The end effector provides the mechanical touch detection functionality and probe connection interface. The amplifier is functionally validated within the manufacturer's site and calibrated at NCL Calibration Laboratories. A Data Acquisition Card (DAC) is used to collect the signal as detected by the isotropic e-field probe. The DAC manufacturer calibrates the DAC to NIST standards. A formal validation is executed using all mechanical and electronic components to prove conformity of the measurement platform as a whole.

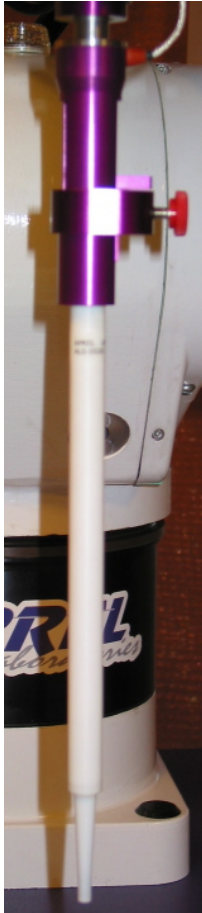
System Description

The ALSAS-10-U has been designed to measure devices within the compliance environment to meet all recognized standards. The system also conforms to standards, which are currently being developed by the scientific and manufacturing community.

The course scan resolution is defined by the operator and reflects the requirements of the standard to which the device is being tested. Precise measurements are made within the predefined course scan area and the values are logged.

The user predefines the sample rate for which the measurements are made so as to ensure that the full duty-cycle of a pulse modulation device is covered during the sample. The following algorithm is an example of the function used by the system for linearization of the output for the probe.

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



The April E-Field probe is evaluated to establish the diode compression point.

A complex algorithm is then used to calculate the values within the measured points down to a resolution of 1mm. The data from this process is then used to provide the co-ordinates from which the cube scan is created for the determination of the 1 g and 10 g averages.

Cube scan averaging consists of a number of complex algorithms, which are used to calculate the one, and ten gram averages. The basis for the cube scan process is centered on the location where the maximum measured SAR value was found. When a secondary peak value is found which is within 60% of the initial peak value, the system will report this back to the operator who can then assess the need for further analysis of both the peak values prior to the one and ten-gram cube scan averaging process. The algorithm consists of 3D cubic Spline, and Lagrange extrapolation to the surface, which form the matrix for calculating the measurement output for the one and ten gram average values. The resolution for the physical scan integral is user defined with a final calculated resolution down to 1mm.

In-depth analysis for the differential of the physical scanning resolution for the cube scan analysis has been carried out, to identify the optimum setting for the probe positioning steps, and this has been determined at 8mm increments on the X, & Y planes. The reduction of the physical step increment increased the time taken for analysis but did not provide a better uncertainty or return on measured values.

The final output from the system provides data for the area scan measurements, physical and splined (1mm resolution) cube scan with physical and calculated values (1mm resolution).

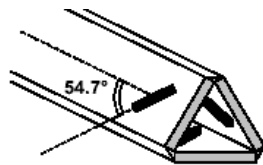
The overall uncertainty for the methodology and algorithms the ALSAS-10-U used during the SAR calculation was evaluated using the data from IEEE 1528 f3 algorithm:

$$f_3(x, y, z) = A \frac{a^2}{\frac{a^2}{4} + x'^2 + y'^2} \left(e^{-\frac{2z}{a}} + \frac{a^2}{2(a + 2z)^2} \right)$$

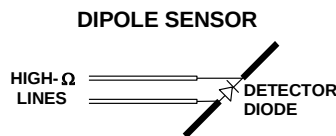
The probe used during the measurement process has been assessed to provide values for diode compression. These values are calculated during the probe calibration exercise and are used in the mathematical calculations for the assessment of SAR.

E-Field Probe

The E-field probe used by RF Exposure Lab, LLC, has been fully calibrated and assessed for isotropic, and boundary effect. The probe utilizes a triangular sensor arrangement as detailed in the diagram below right.



Δ-BEAM



The SAR is assessed with the probe which moves at a default height of 5mm from the center of the diode, which is mounted to the sensor, to the phantom surface (Z height). The diagram above right shows how the center of the sensor is defined with the location of the diode placed at the center of the dipole. The 5mm default in the Z axis is the optimum height for assessing SAR where the boundary effect is at its least, with the probe located closest to the phantom surface (boundary).

The manufacturer specified precision of the robot is ± 0.05 mm and the precision of the APREL bottom detection device is ± 0.1 mm. These precisions are calibrated and tested in the manufacturing process of the bottom detection device. A constant distance is maintained because the surface of the phantom is dynamically detected for each point. The surface detection algorithm corrects the position of the robot so that the probe rests on the surface of the phantom. The probe is then moved to the measurement location 2.44 mm above the phantom surface resulting in the probe center location to be at 4.0 mm above the phantom surface. Therefore, the probe sensor will be at 4.0 mm above the phantom surface ± 0.1 mm for each SAR location for frequencies below 3 GHz. The probe is moved to the measurement location 1.44 mm above the phantom surface resulting in the probe center location to be at 2.0 mm above the phantom surface. Therefore, the probe sensor will be at 2.0 mm above the phantom surface ± 0.1 mm for each SAR location for frequencies above 3 GHz.

The probe boundary effect compensation cannot be disabled in the ALSAS-10U testing system. The probe tip will always be at least half a probe tip diameter from the phantom surface. For frequencies up to 3 GHz, the probe diameter is 5 mm. With the sensor offset set at 1.54 mm (default setting), the sensor to phantom gap will be 4.0 mm which is greater than half the probe tip diameter. For frequencies greater than 3 GHz, the probe diameter is 3 mm. With the sensor offset set at 0.56 mm (default setting), the sensor to phantom gap will be 3.0 mm which is greater than half the probe tip diameter.

The separation of the first 2 measurement points in the zoom scan is specified in the test setup software. For frequencies below 3 GHz, the user must specify a zoom scan resolution of less than 6 mm in the z-axis to have the first two measurements within 1 cm of the surface. The z-axis is set to 4 mm as shown on each of the data sheets in Appendix B. For frequencies above 3 GHz, the user must specify a zoom scan resolution of less than 3 mm in the z-axis to have the first two measurements within 5 mm of the surface. The z-axis is set to 2 mm as shown on each of the data sheets in Appendix B.

The zoom scan volume for devices ≤ 3 GHz with a cube scan of $5 \times 5 \times 8$ yields a volume of $32 \times 32 \times 28$ mm³. For devices > 3 GHz and < 4.5 GHz, the cube scan of $9 \times 9 \times 9$ yields a volume of $32 \times 32 \times 24$ mm³. For devices ≥ 4.5 GHz, the cube scan of $7 \times 7 \times 12$ yields a volume of $24 \times 24 \times 22$ mm³.

3. Robot Specifications

Specifications

Positioner:	ThermoCRS, Robot Model: Robocomm 3
Repeatability:	0.05 mm
No. of axis:	6

Data Acquisition Card (DAC) System

Cell Controller

Processor:	Pentium 4™
Clock Speed:	2.66 GHz
Operating System:	Windows XP Pro™

Data Converter

Features:	Signal Amplifier, End Effector, DAC
Software:	ALSAS 10-U Software

E-Field Probe

Model:	Various See Probe Calibration Sheet
Serial Number:	Various See Probe Calibration Sheet
Construction:	Triangular Core Touch Detection System
Frequency:	10MHz to 6GHz

Phantom

Phantom:	Uniphantom, Right Phantom, Left Phantom
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4. Probe and Dipole Calibration

See Appendix D and E.

5. Phantom & Simulating Tissue Specifications

SAM Phantom



The Aprel system utilizes three separate phantoms. Each phantom for SAR assessment testing is a low loss dielectric shell, with shape and dimensions derived from the anthropomorphic data of the 90th percentile adult male head dimensions as tabulated by the US Army. The SAM phantom shell is bisected along the mid sagittal plane into right and left halves. The perimeter sidewalls of each phantom half is extended to allow filling with liquid to a depth of 15 cm that is sufficient to minimize reflections from the upper surface [5].

Brain & Muscle Simulating Mixture Characterization

The brain and muscle mixtures consist of a glycol based saline solution. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue. The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following tables. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations.

Table 5.1 Typical Composition of Ingredients for Tissue

Ingredients		Simulating Tissue
		2590 MHz Muscle
Mixing Percentage		
Water		73.20
DGBE		26.70
Triton X-100		0.00
Sugar		0.00
Salt		0.04
Bacteriacide		0.00
HEC		0.00
Dielectric Constant	Target	52.70
Conductivity (S/m)	Target	1.95

Device Holder



In combination with the SAM phantom, the mounting device enables the rotation of the mounted transmitter in spherical coordinates whereby the rotation point is the ear opening. The devices can easily, accurately, and repeatably be positioned according to the FCC specifications. The device holder can be locked at different phantom locations (left head, right head, and uni-phantom).

6. Body Worn Configurations

Body-worn operating configurations are tested with the accessories 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 do 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, when multiple accessories that contain metallic components are supplied with the device, the device is tested with each accessory that contains a unique metallic component. If multiple accessories 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 where a separation distance between the back of the device and the flat phantom is used. All test position spacings are documented.

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. Worst-case positioning is then documented and used to perform Body SAR testing.

In order for users to be aware of the body-worn operating requirements for meeting RF exposure compliance, operating instructions and cautions statements are included in the user's manual.

7. ANSI/IEEE C95.1 – 1992 RF Exposure Limits [2]

Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Controlled Environment

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). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Table 8.1 Human Exposure Limits

	UNCONTROLLED ENVIRONMENT General Population (W/kg) or (mW/g)	CONTROLLED ENVIROMENT Professional Population (W/kg) or (mW/g)
SPATIAL PEAK SAR ¹ Brain	1.60	8.00
SPATIAL AVERAGE SAR ² Whole Body	0.08	0.40
SPATIAL PEAK SAR ³ Hands, Feet, Ankles, Wrists	4.00	20.00

¹ 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.

² The Spatial Average value of the SAR averaged over the whole body.

³ 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.

8. Measurement Uncertainty

Exposure Assessment Measurement Uncertainty

Source of Uncertainty	Tolerance Value	Probability Distribution	Divisor	c_i^{-1} (1-g)	c_i^{-1} (10-g)	Standard Uncertainty (1-g) %	Standard Uncertainty (10-g) %
Measurement System							
Probe Calibration	3.5	normal	1	1	1	3.5	3.5
Axial Isotropy	3.7	rectangular	•3	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.5	1.5
Hemispherical Isotropy	10.9	rectangular	•3	•cp	•cp	4.4	4.4
Boundary Effect	1.0	rectangular	•3	1	1	0.6	0.6
Linearity	4.7	rectangular	•3	1	1	2.7	2.7
Detection Limit	1.0	rectangular	•3	1	1	0.6	0.6
Readout Electronics	1.0	normal	1	1	1	1.0	1.0
Response Time	0.8	rectangular	•3	1	1	0.5	0.5
Integration Time	1.7	rectangular	•3	1	1	1.0	1.0
RF Ambient Condition	3.0	rectangular	•3	1	1	1.7	1.7
Probe Positioner Mech.	0.4	rectangular	•3	1	1	0.2	0.2
Restriction							
Probe Positioning with respect to Phantom Shell	2.9	rectangular	•3	1	1	1.7	1.7
Extrapolation and Integration	3.7	rectangular	•3	1	1	2.1	2.1
Test Sample Positioning	4.0	normal	1	1	1	4.0	4.0
Device Holder Uncertainty	2.0	normal	1	1	1	2.0	2.0
Drift of Output Power	1.6	rectangular	•3	1	1	0.9	0.9
Phantom and Setup							
Phantom Uncertainty(shape & thickness tolerance)	3.4	rectangular	•3	1	1	2.0	2.0
Liquid Conductivity(target)	5.0	rectangular	•3	0.7	0.5	2.0	1.4
Liquid Conductivity(meas.)	1.4	normal	1	0.7	0.5	0.0	0.0
Liquid Permittivity(target)	5.0	rectangular	•3	0.6	0.5	1.7	1.4
Liquid Permittivity(meas.)	1.4	normal	1	0.6	0.5	0.0	0.0
Combined Uncertainty		RSS				9.3	9.1
Combined Uncertainty (coverage factor=2)		Normal (k=2)				18.6	18.2

9. System Validation

Tissue Verification

Table 10.1 Measured Tissue Parameters

		2590 MHz Body		2590 MHz Body		2590 MHz Body	
Date(s)		Apr. 21, 2008		Apr. 22, 2008		Apr. 24, 2008	
Liquid Temperature (°C)	20.0	Target	Measured	Target	Measured	Target	Measured
Dielectric Constant: ϵ		52.51	52.36	52.51	52.48	52.51	52.55
Conductivity: σ		2.14	2.16	2.14	2.13	2.14	2.18

		2590 MHz Body		2590 MHz Body	
Date(s)		Apr. 25, 2008		Apr. 26, 2008	
Liquid Temperature (°C)	20.0	Target	Measured	Target	Measured
Dielectric Constant: ϵ		52.51	52.32	52.51	52.43
Conductivity: σ		2.14	2.10	2.14	2.14

See Appendix A for data printout.

Test System Verification

Prior to assessment, the system is verified to the $\pm 10\%$ of the specifications at the test frequency by using the system kit. Power is extrapolated to 1 watt. (Graphic Plots Attached).

Table 10.2 System Dipole Validation Target & Measured

	Test Frequency	Targeted SAR _{1g} (W/kg)	Measure SAR _{1g} (W/kg)	Deviation (%)
21-Apr-2008	2600 MHz	54.26	53.79	- 0.87
22-Apr-2008	2600 MHz	54.26	54.40	+ 0.26
24-Apr-2008	2600 MHz	54.26	55.30	+ 1.92
25-Apr-2008	2600 MHz	54.26	52.68	- 2.91
26-Apr-2008	2600 MHz	54.26	53.06	- 2.21

See Appendix A for data plots.

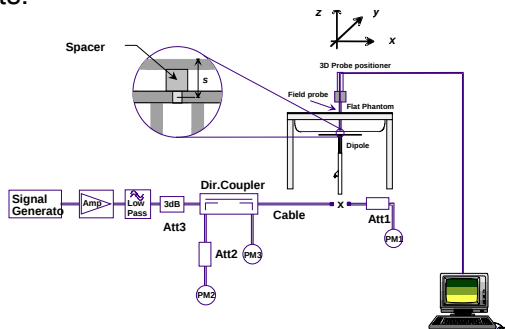


Figure 10.1 Dipole Validation Test Setup

10. SAR Test Data Summary

See Measurement Result Data Pages

See Appendix B for SAR Test Data Plots.
See Appendix C for SAR Test Setup Photos.

Procedures Used To Establish Test Signal

The device was placed into simulated transmit mode using the manufacturer's test codes. Such test signals offer a consistent means for testing SAR and are recommended for evaluating SAR. When test modes are not available or inappropriate for testing a device, the actual transmission is activated through a base station simulator or similar equipment. See data pages for actual procedure used in measurement.

Device Test Condition

The device is battery operated. Each SAR measurement was taken with a fully charged battery. In order to verify that the device was tested at full power, conducted output power measurements were performed before and after each SAR measurement to confirm the output power. If a conducted power deviation of more than 5% occurred, the test was repeated.

Device Information

The internal antenna is measured through an isolation switch. The loss due to the isolation switch has been measured and noted for each test. The device operates at a 46% duty cycle. The power measured and recorded is the average power measured with the loss due to the isolation switch.

The 15mm separation measurement was not conducted on the HP and Dell computer as the touch position yielded as a distance from of the phantom of 15mm and 12mm respectively. Therefore, no measurements are required. The Toshiba computer has a distance of 20mm from the phantom. Therefore, the measurements were conduct on the Toshiba computer. The mid channel was tested, and when the value was below the touch position the low and high channel were not tested.

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Dell C810 Model PP01X (200 kHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Power Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	25.1	24.9	Standard	0.298
		2504	22	OFDM	18.9	7.3	7.1	Standard	0.614
	INV F1	2592	23	OFDM	18.5	6.6	6.5	Standard	0.590
		2684	29	OFDM	19.0	5.6	5.4	Standard	0.567
		2504	22	OFDM	18.1	8.1	7.9	Standard	0.490
	INV F2	2592	23	OFDM	19.5	5.6	5.3	Standard	0.622
		2684	29	OFDM	22.0	2.6	2.5	Standard	0.661

*Power code is used to set power

Muscle
1.6 W/kg (mW/g)
averaged over 1 gram

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Dell C810 Model PP01X (1 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
Touch	External	2592	23	CDMA	0	25.0	24.8	Standard	0.270
	INV F1	2504	22	CDMA	18.6	7.5	7.3	Standard	0.579
		2592	23	CDMA	18.2	6.9	6.7	Standard	0.615
		2684	28	CDMA	18.9	5.6	5.5	Standard	0.455
		2504	22	CDMA	17.8	8.4	8.1	Standard	0.503
	INV F2	2592	23	CDMA	19.3	5.8	5.6	Standard	0.716
		2684	28	CDMA	22.0	2.7	2.4	Standard	0.576
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Dell C810 Model PP01X (1.6 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	24.9	24.6	Standard	0.281
	INV F1	2504	21	OFDM	18.4	5.4	5.1	Standard	0.580
		2592	23	OFDM	18.1	6.7	6.5	Standard	0.561
		2684	24	OFDM	18.8	5.3	5.1	Standard	0.507
		2504	21	OFDM	17.5	6.3	6.0	Standard	0.477
	INV F2	2592	23	OFDM	19.2	5.4	5.3	Standard	0.612
		2684	24	OFDM	21.9	2.0	1.8	Standard	0.733
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – HP Pavilion dv8000 (200 kHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Power Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	25.3	25.2	Standard	0.302
	INV F1	2504	22	OFDM	18.9	7.6	7.4	Standard	0.476
		2592	23	OFDM	18.5	6.8	6.6	Standard	0.470
		2684	29	OFDM	19.0	6.1	5.8	Standard	0.464
		2504	22	OFDM	18.1	8.3	8.1	Standard	0.554
	INV F2	2592	23	OFDM	19.5	5.8	5.5	Standard	0.494
		2684	29	OFDM	22.0	3.0	2.8	Standard	0.561
		*Power code is used to set power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – HP Pavilion dv8000 (1 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Power Code*			(dBm)		Battery	
Touch	External	2592	23	CDMA	0	25.3	25.1	Standard	0.302
	INV F1	2504	22	CDMA	18.6	7.8	7.6	Standard	0.472
		2592	23	CDMA	18.2	7.1	6.8	Standard	0.469
		2684	28	CDMA	18.9	5.9	5.7	Standard	0.470
		2504	22	CDMA	17.8	8.5	8.3	Standard	0.546
	INV F2	2592	23	CDMA	19.3	6.1	5.8	Standard	0.561
		2684	28	CDMA	22.0	3.1	2.9	Standard	0.523
		*Power code is used to set power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

- Battery is fully charged for all tests.
 Power Measured ☒ Conducted ☐ ERP ☐ EIRP
- SAR Measurement
 Phantom Configuration ☐ Left Head ☒ Uni-phantom ☐ Right Head
 SAR Configuration ☐ Head ☒ Body
- Test Signal Call Mode ☒ Test Code ☐ Base Station Simulator
- Test Configuration ☐ With Holster ☐ Without Holster ☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – HP Pavilion dv8000 (1.6 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Power Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	24.9	24.6	Standard	0.307
	INV F1	2504	21	OFDM	18.4	5.6	5.3	Standard	0.550
		2592	23	OFDM	18.1	7.0	6.7	Standard	0.530
		2684	24	OFDM	18.8	5.2	5.0	Standard	0.543
		2504	21	OFDM	17.5	6.5	6.3	Standard	0.449
	INV F2	2592	23	OFDM	19.2	5.8	5.6	Standard	0.407
		2684	24	OFDM	21.9	2.4	2.1	Standard	0.456
		*Power code is used to set power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (200 kHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	24.5	24.3	Standard	0.279
	INV F1	2504	22	OFDM	18.9	7.1	6.9	Standard	0.442
		2592	23	OFDM	18.5	6.5	6.4	Standard	0.426
		2684	29	OFDM	19.0	5.9	5.8	Standard	0.414
		2504	22	OFDM	18.1	8.1	7.9	Standard	0.408
	INV F2	2592	23	OFDM	19.5	5.9	5.6	Standard	0.525
		2684	29	OFDM	22.0	2.8	2.5	Standard	0.539
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

- Battery is fully charged for all tests.
 Power Measured ☒ Conducted ☐ ERP ☐ EIRP
- SAR Measurement
 Phantom Configuration ☐ Left Head ☒ Uni-phantom ☐ Right Head
 SAR Configuration ☐ Head ☒ Body
- Test Signal Call Mode ☒ Test Code ☐ Base Station Simulator
- Test Configuration ☐ With Holster ☐ Without Holster ☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (1 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
Touch	External	2592	23	CDMA	0	25.0	24.8	Standard	0.241
	INV F1	2504	22	CDMA	18.6	7.1	6.9	Standard	0.406
		2592	23	CDMA	18.2	6.9	6.6	Standard	0.463
		2684	28	CDMA	18.9	6.0	5.8	Standard	0.293
		2504	22	CDMA	17.8	8.3	8.0	Standard	0.415
	INV F2	2592	23	CDMA	19.3	5.7	5.6	Standard	0.600
		2684	28	CDMA	22.0	2.8	2.7	Standard	0.421
*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram				

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (1.6 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
Touch	External	2592	23	OFDM	0	24.9	24.7	Standard	0.285
	INV F1	2504	21	OFDM	18.4	5.4	5.3	Standard	0.577
		2592	23	OFDM	18.1	6.8	6.7	Standard	0.505
		2684	24	OFDM	18.8	5.1	5.0	Standard	0.275
		2504	21	OFDM	17.5	6.5	6.4	Standard	0.552
	INV F2	2592	23	OFDM	19.2	5.8	5.6	Standard	0.714
		2684	24	OFDM	21.9	2.5	2.3	Standard	0.724
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

- Battery is fully charged for all tests.
 Power Measured ☒ Conducted ☐ ERP ☐ EIRP
- SAR Measurement
 Phantom Configuration ☐ Left Head ☒ Uni-phantom ☐ Right Head
 SAR Configuration ☐ Head ☒ Body
- Test Signal Call Mode ☒ Test Code ☐ Base Station Simulator
- Test Configuration ☐ With Holster ☐ Without Holster ☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (200 kHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
15 mm	External	2592	23	OFDM	0	24.5	24.3	Standard	0.343
	INV F1	2504	22	OFDM	18.9	7.1	6.9	Standard	0.535
		2592	23	OFDM	18.5	6.5	6.4	Standard	0.544
		2684	29	OFDM	19.0	5.9	5.8	Standard	0.552
		2504	22	OFDM	18.1	8.1	7.9	Standard	0.504
	INV F2	2592	23	OFDM	19.5	5.9	5.6	Standard	0.549
		2684	29	OFDM	22.0	2.8	2.5	Standard	0.493
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (1 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
15 mm	External	2592	23	CDMA	0	25.0	24.8	Standard	0.325
	INV F1	2504	22	CDMA	18.6	7.1	6.9	Standard	0.524
		2592	23	CDMA	18.2	6.9	6.6	Standard	0.672
		2684	28	CDMA	18.9	6.0	5.8	Standard	0.541
	INV F2	2504	22	CDMA	17.8	8.3	8.0	Standard	0.441
		2592	23	CDMA	19.3	5.7	5.6	Standard	0.598
		2684	28	CDMA	22.0	2.8	2.7	Standard	0.521
	*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram			

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

SAR Data Summary – 2590 MHz Muscle

MEASUREMENT RESULTS – Toshiba Satellite A75-S209 (1.6 MHz)									
EUT Position	Antenna	Frequency		Modulation	Isolation (dB)	Begin / End Power			SAR (W/kg)
		MHz	Setting Code*			(dBm)		Battery	
15 mm	External	2592	23	OFDM	0	24.9	24.7	Standard	0.330
	INV F1	2504	21	OFDM	18.4	5.4	5.3	Standard	0.604
		2592	23	OFDM	18.1	6.8	6.7	Standard	0.560
		2684	24	OFDM	18.8	5.1	5.0	Standard	0.555
		2504	21	OFDM	17.5	6.5	6.4	Standard	0.531
	INV F2	2592	23	OFDM	19.2	5.8	5.6	Standard	0.459
		2684	24	OFDM	21.9	2.5	2.3	Standard	0.569
		*Setting code is used to set antenna, frequency and power					Muscle 1.6 W/kg (mW/g) averaged over 1 gram		

1. Battery is fully charged for all tests.

Power Measured

☒ Conducted

☐ ERP

☐ EIRP

2. SAR Measurement

Phantom Configuration

☐ Left Head

☒ Uni-phantom

☐ Right Head

SAR Configuration

☐ Head

☒ Body

3. Test Signal Call Mode

☒ Test Code

☐ Base Station Simulator

4. Test Configuration

☐ With Holster

☐ Without Holster

☒ N/A



Jay M. Moulton
Vice President

11. Test Equipment List

Table 12.1 Equipment Specifications

Type	Calibration Due Date	Serial Number
ThermoCRS Robot	N/A	RAF0338198
ThermoCRS Controller	N/A	RCF0338224
ThermoCRS Teach Pendant (Joystick)	N/A	STP0334405
IBM Computer, 2.66 MHz P4	N/A	8189D8U KCPR08N
Apriel E-Field Probe ALS-E020	12/03/2008	RFE-217
Apriel E-Field Probe ALS-E030	04/29/2008	AL-E3P1
Apriel Dummy Probe	N/A	023
Apriel Left Phantom	N/A	RFE-267
Apriel Right Phantom	N/A	RFE-268
Apriel UniPhantom	N/A	RFE-273
Apriel Validation Dipole ALS-D-450-S-2	04/30/2009	RFE-362
Apriel Validation Dipole ALS-D-835-S-2	02/22/2010	RFE-274
Apriel Validation Dipole ALS-D-1900-S-2	02/21/2010	RFE-277
Apriel Validation Dipole ALS-D-2450-S-2	02/20/2010	RFE-278
Apriel Validation Dipole RFE-D-2600-S-2	02/23/2010	RFE-121
Apriel Validation Dipole ALS-D-BB-S-2	05/23/2009	5258-235-00801
Agilent (HP) 437B Power Meter	12/03/2008	3125U08837
Agilent (HP) 8481B Power Sensor	12/03/2008	3318A05384
Advantest R3261A Spectrum Analyzer	12/03/2008	31720068
Agilent (HP) 8350B Signal Generator	01/28/2009	2749A10226
Agilent (HP) 83525A RF Plug-In	01/28/2009	2647A01172
Agilent (HP) 8753C Vector Network Analyzer	01/28/2009	3135A01724
Agilent (HP) 85047A S-Parameter Test Set	01/28/2009	2904A00595
Apriel Dielectric Probe Assembly	N/A	0011
Brain Equivalent Matter (450 MHz)	N/A	N/A
Brain Equivalent Matter (835 MHz)	N/A	N/A
Brain Equivalent Matter (1900 MHz)	N/A	N/A
Brain Equivalent Matter (2450 MHz)	N/A	N/A
Muscle Equivalent Matter (450 MHz)	N/A	N/A
Muscle Equivalent Matter (835 MHz)	N/A	N/A
Muscle Equivalent Matter (1900 MHz)	N/A	N/A
Muscle Equivalent Matter (2450 MHz)	N/A	N/A
Muscle Equivalent Matter (5200 MHz)	N/A	N/A
Muscle Equivalent Matter (5800 MHz)	N/A	N/A

12. Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the FCC. 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. The tested device complies with the requirements in respect to all parameters subject to the test. The test results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body is a very complex phenomena that depends on the mass, shape, and size of the body; the orientation of the body with respect to the field vectors; and, the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because innumerable factors may interact to determine the specific biological outcome of an exposure to electromagnetic fields, any protection guide shall consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

13. References

- [1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radio Frequency Radiation, August 1996
- [2] ANSI/IEEE C95.1 – 1999, American National Standard Safety Levels with respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300kHz to 100GHz, New York: IEEE, 1992.
- [3] ANSI/IEEE C95.3 – 2002, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave, New York: IEEE, 1992.
- [4] Federal Communications Commission, OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields, July 2001.
- [5] IEEE Standard 1528 – 2003, IEEE Recommended Practice for Determining the Peak-Spatial Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communication Devices: Measurement Techniques, October 2003.
- [6] Industry Canada, RSS – 102e, Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), November 2005.
- [7] Industry Canada, Safety Code 6, Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3kHz to 300 GHz, 1999.

Appendix A – System Validation Plots and Data

Test Result for UIM Dielectric Parameter

Mon 21/Apr/2008 08:12:17

Freq Frequency(GHz)

FCC_eH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Epsilon

FCC_sH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma

FCC_eB FCC Limits for Body Epsilon

FCC_sB FCC Limits for Body Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
2.5600	52.56	2.11	52.45	2.10
2.5700	52.55	2.12	52.41	2.12
2.5800	52.53	2.13	52.39	2.14
2.5900	52.52	2.15	52.36	2.16
2.6000	52.51	2.16	52.34	2.18
2.6100	52.50	2.18	52.33	2.20
2.6200	52.48	2.19	52.29	2.21

Test Result for UIM Dielectric Parameter

Tue 22/Apr/2008 07:08:35

Freq Frequency(GHz)

FCC_eH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Epsilon

FCC_sH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma

FCC_eB FCC Limits for Body Epsilon

FCC_sB FCC Limits for Body Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
2.5600	52.56	2.11	52.55	2.08
2.5700	52.55	2.12	52.53	2.10
2.5800	52.53	2.13	52.51	2.11
2.5900	52.52	2.15	52.48	2.13
2.6000	52.51	2.16	52.46	2.14
2.6100	52.50	2.18	52.44	2.16
2.6200	52.48	2.19	52.41	2.18

Test Result for UIM Dielectric Parameter

Thu 24/Apr/2008 07:05:16

Freq Frequency(GHz)

FCC_eH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Epsilon

FCC_sH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma

FCC_eB FCC Limits for Body Epsilon

FCC_sB FCC Limits for Body Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
2.5600	52.56	2.11	52.65	2.11
2.5700	52.55	2.12	52.61	2.14
2.5800	52.53	2.13	52.58	2.16
2.5900	52.52	2.15	52.55	2.18
2.6000	52.51	2.16	52.52	2.20
2.6100	52.50	2.18	52.50	2.23
2.6200	52.48	2.19	52.47	2.25

Test Result for UIM Dielectric Parameter

Fri 25/Apr/2008 07:02:09

Freq Frequency(GHz)

FCC_eH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Epsilon

FCC_sH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma

FCC_eB FCC Limits for Body Epsilon

FCC_sB FCC Limits for Body Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
2.5600	52.56	2.11	52.41	2.05
2.5700	52.55	2.12	52.39	2.07
2.5800	52.53	2.13	52.35	2.08
2.5900	52.52	2.15	52.32	2.10
2.6000	52.51	2.16	52.30	2.12
2.6100	52.50	2.18	52.27	2.13
2.6200	52.48	2.19	52.24	2.15

Test Result for UIM Dielectric Parameter

Sat 26/Apr/2008 07:52:09

Freq Frequency(GHz)

FCC_eH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Epsilon

FCC_sH FCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma

FCC_eB FCC Limits for Body Epsilon

FCC_sB FCC Limits for Body Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
2.5600	52.56	2.11	52.51	2.09
2.5700	52.55	2.12	52.50	2.10
2.5800	52.53	2.13	52.47	2.12
2.5900	52.52	2.15	52.43	2.14
2.6000	52.51	2.16	52.40	2.16
2.6100	52.50	2.18	52.38	2.18
2.6200	52.48	2.19	52.35	2.19

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 08:39:13 AM
End Time : 21-Apr-2008 08:52:07 AM
Scanning Time : 774 secs

Product Data

Device Name : Validation
Serial No. : 2600
Type : Dipole
Model : RFE-D-2600-S-2
Frequency : 2600.00 MHz
Max. Transmit Pwr : 0.1 W
Drift Time : 0 min(s)
Length : 49.5 mm
Width : 3.6 mm
Depth : 30.0 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 6.215 W/kg
Power Drift-Finish: 6.280 W/kg
Power Drift (%) : 1.050

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

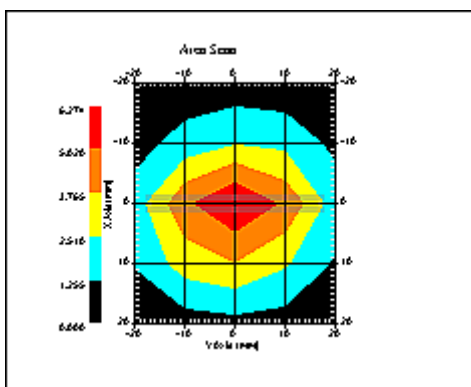
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 7:40:13 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

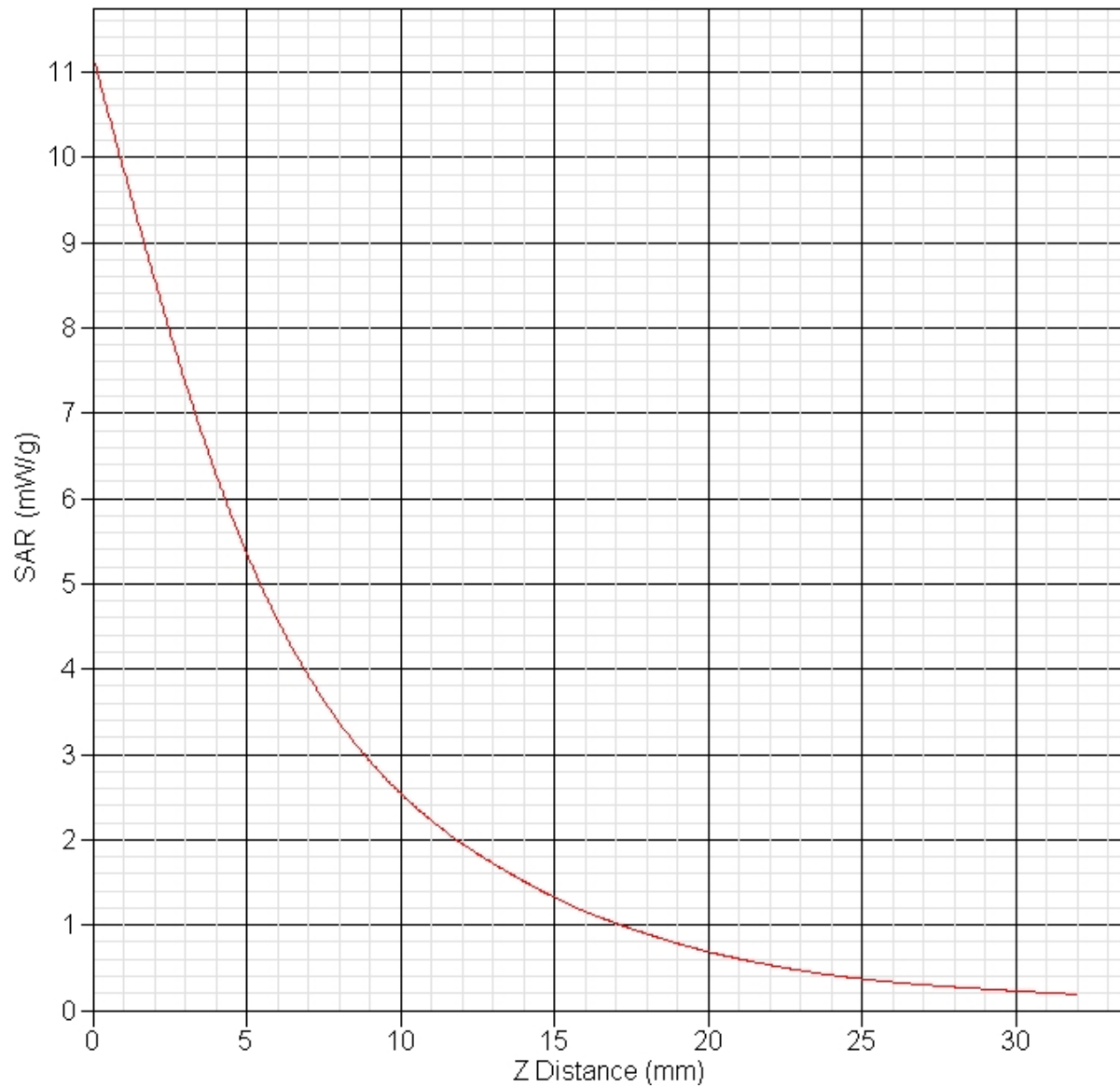
DUT Position : Touch
 Separation : 10
 Channel : Mid



1 gram SAR value : 5.379 W/kg
 10 gram SAR value : 2.452 W/kg
 Area Scan Peak SAR : 6.274 W/kg
 Zoom Scan Peak SAR : 11.190 W/kg

SAR-Z Axis

at Hotspot x:0.24 y:-0.13



SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 07:22:56 AM
End Time : 22-Apr-2008 07:36:02 AM
Scanning Time : 786 secs

Product Data

Device Name : Validation
Serial No. : 2600
Type : Dipole
Model : RFE-D-2600-S-2
Frequency : 2600.00 MHz
Max. Transmit Pwr : 0.1 W
Drift Time : 0 min(s)
Length : 49.5 mm
Width : 3.6 mm
Depth : 30.0 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 6.381 W/kg
Power Drift-Finish: 6.404 W/kg
Power Drift (%) : 0.355

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

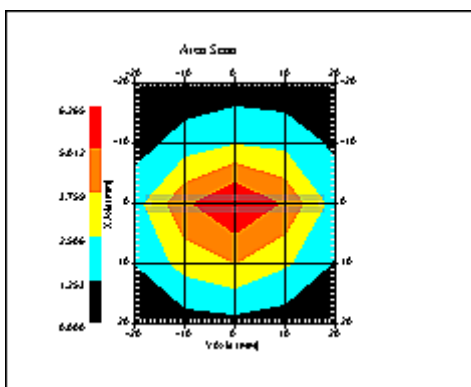
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 7:40:13 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

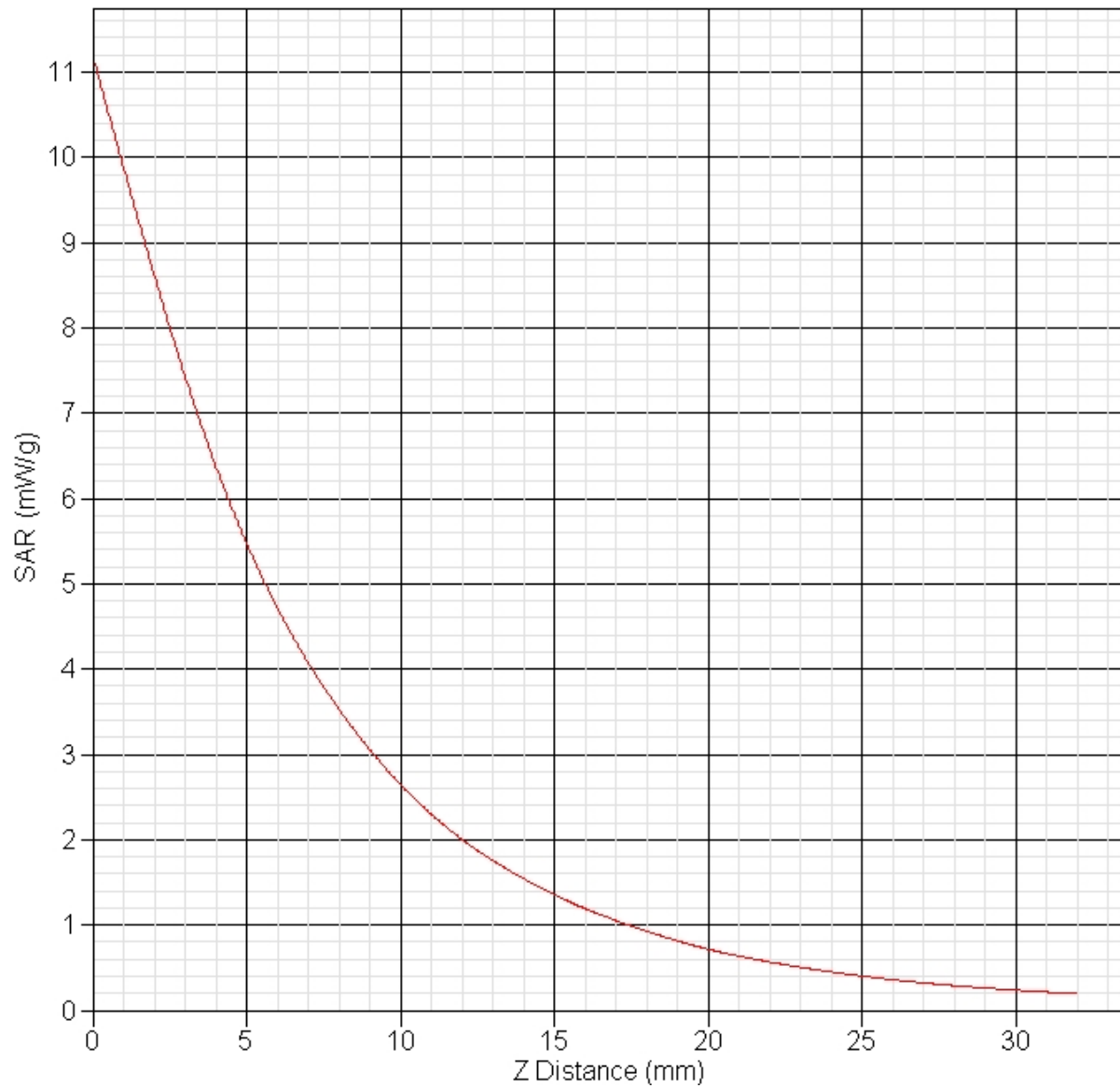
DUT Position : Touch
 Separation : 10
 Channel : Mid



1 gram SAR value : 5.440 W/kg
 10 gram SAR value : 2.476 W/kg
 Area Scan Peak SAR : 6.265 W/kg
 Zoom Scan Peak SAR : 11.190 W/kg

SAR-Z Axis

at Hotspot x:0.24 y:-0.18



SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 07:13:22 AM
End Time : 24-Apr-2008 07:26:16 AM
Scanning Time : 774 secs

Product Data

Device Name : Validation
Serial No. : 2600
Type : Dipole
Model : RFE-D-2600-S-2
Frequency : 2600.00 MHz
Max. Transmit Pwr : 0.1 W
Drift Time : 0 min(s)
Length : 49.5 mm
Width : 3.6 mm
Depth : 30.0 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 6.390 W/kg
Power Drift-Finish: 6.601 W/kg
Power Drift (%) : 3.301

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

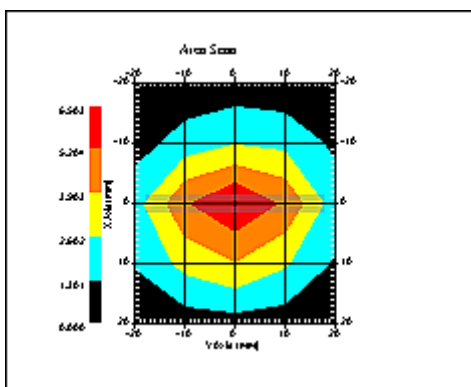
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 7:40:13 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

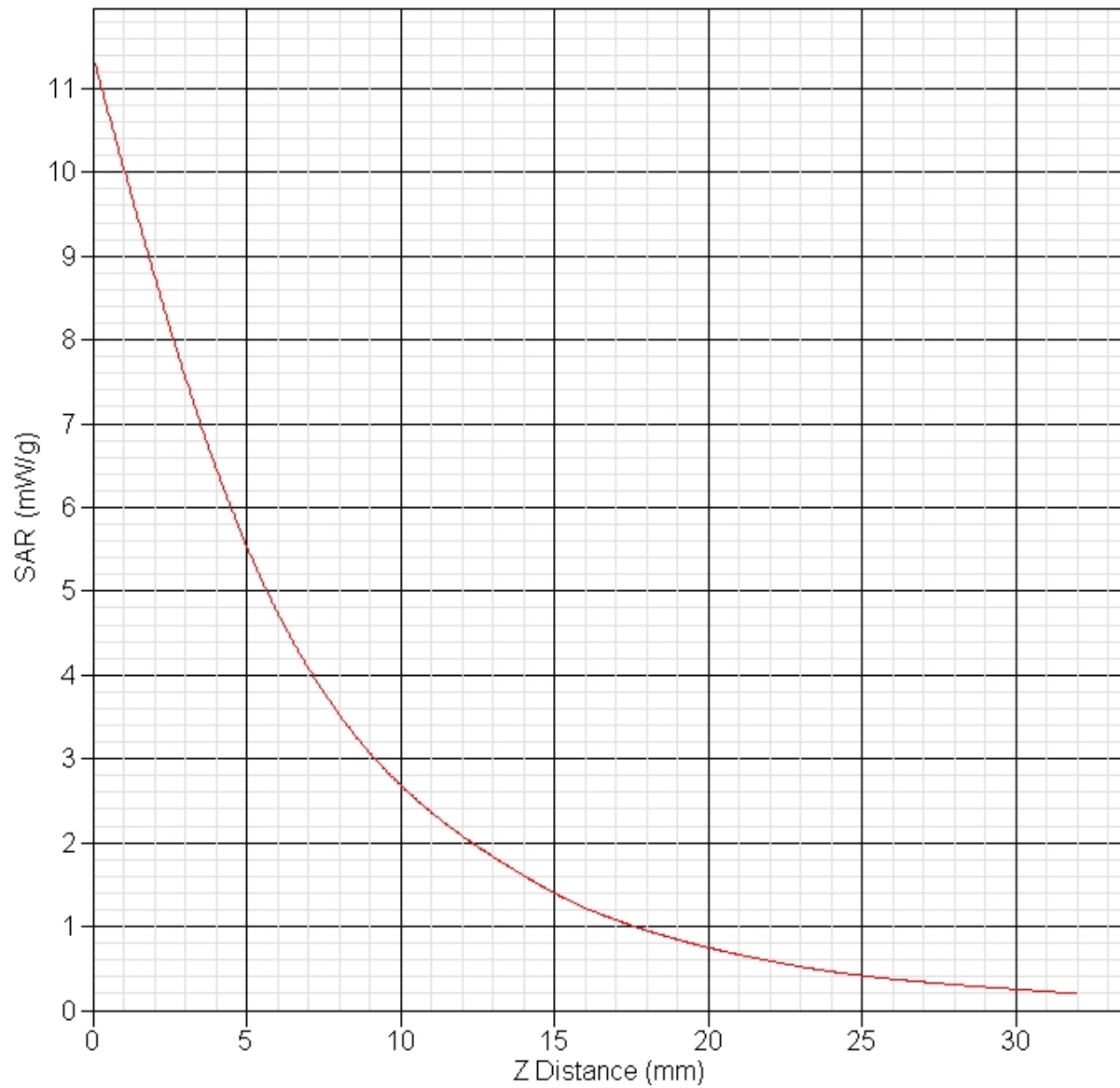
DUT Position : Touch
 Separation : 10
 Channel : Mid



1 gram SAR value : 5.530 W/kg
 10 gram SAR value : 2.536 W/kg
 Area Scan Peak SAR : 6.503 W/kg
 Zoom Scan Peak SAR : 11.390 W/kg

SAR-Z Axis

at Hotspot x:0.24 y:-0.17



SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 07:07:46 AM
End Time : 25-Apr-2008 07:20:56 AM
Scanning Time : 790 secs

Product Data

Device Name : Validation
Serial No. : 2600
Type : Dipole
Model : RFE-D-2600-S-2
Frequency : 2600.00 MHz
Max. Transmit Pwr : 0.1 W
Drift Time : 0 min(s)
Length : 49.5 mm
Width : 3.6 mm
Depth : 30.0 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 6.188 W/kg
Power Drift-Finish: 6.204 W/kg
Power Drift (%) : 0.260

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

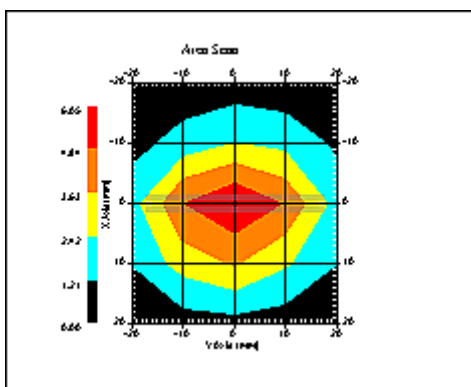
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:40:13 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

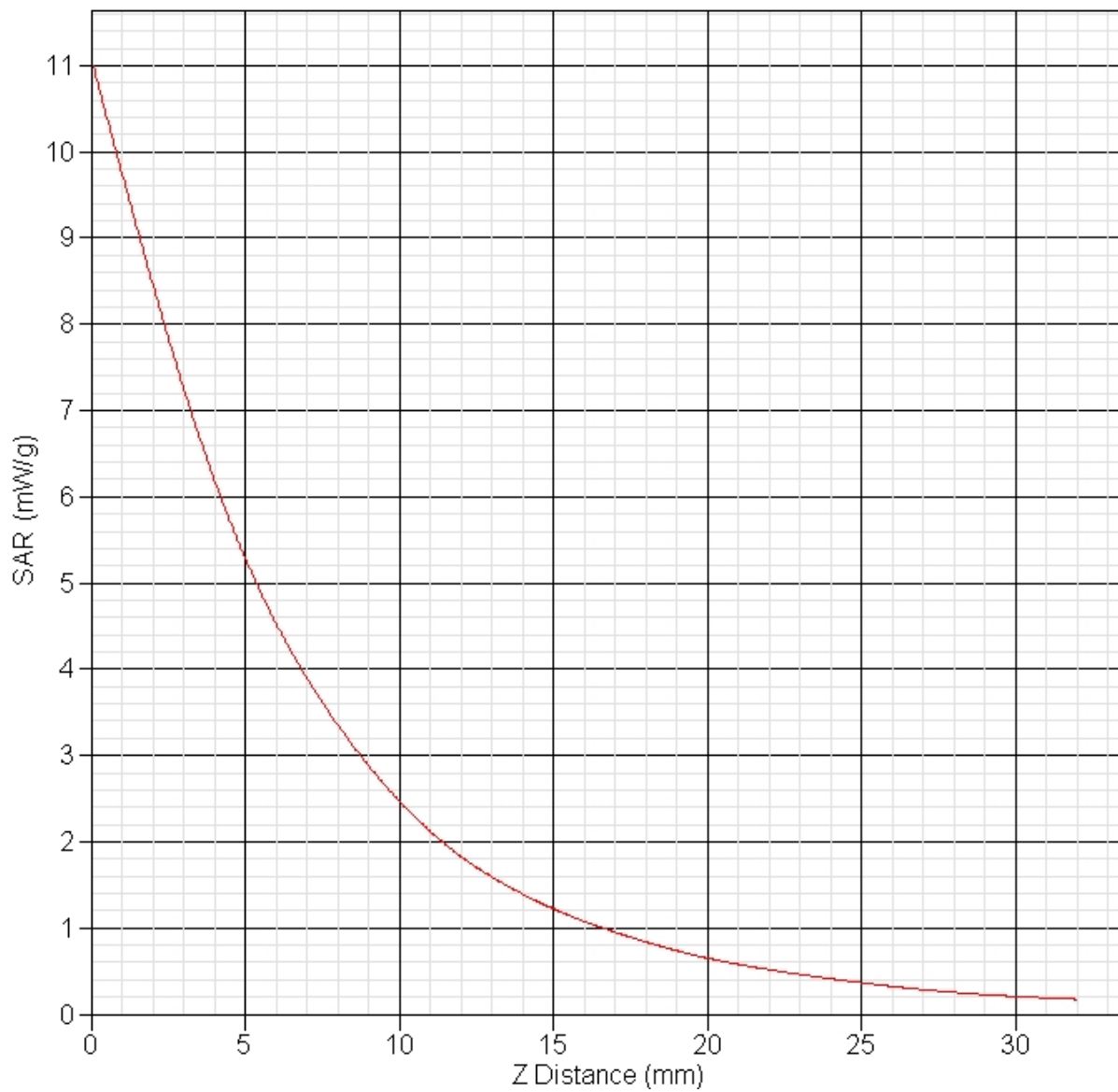
Other Data

DUT Position : Touch
 Separation : 10
 Channel : Mid



1 gram SAR value : 5.268 W/kg
 10 gram SAR value : 2.367 W/kg
 Area Scan Peak SAR : 6.049 W/kg
 Zoom Scan Peak SAR : 11.090 W/kg

SAR-Z Axis
at Hotspot x:0.22 y:-0.14



SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 07:59:41 AM
End Time : 26-Apr-2008 08:12:33 AM
Scanning Time : 772 secs

Product Data

Device Name : Validation
Serial No. : 2600
Type : Dipole
Model : RFE-D-2600-S-2
Frequency : 2600.00 MHz
Max. Transmit Pwr : 0.1 W
Drift Time : 0 min(s)
Length : 49.5 mm
Width : 3.6 mm
Depth : 30.0 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 6.206 W/kg
Power Drift-Finish: 6.250 W/kg
Power Drift (%) : 0.717

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

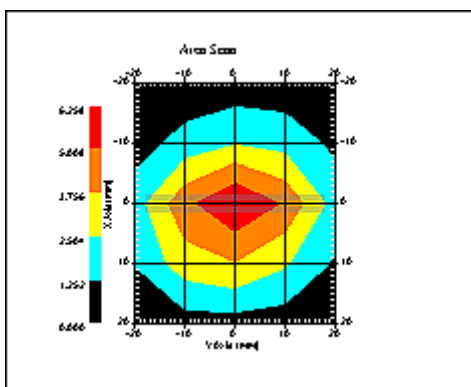
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:40:13 AM
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

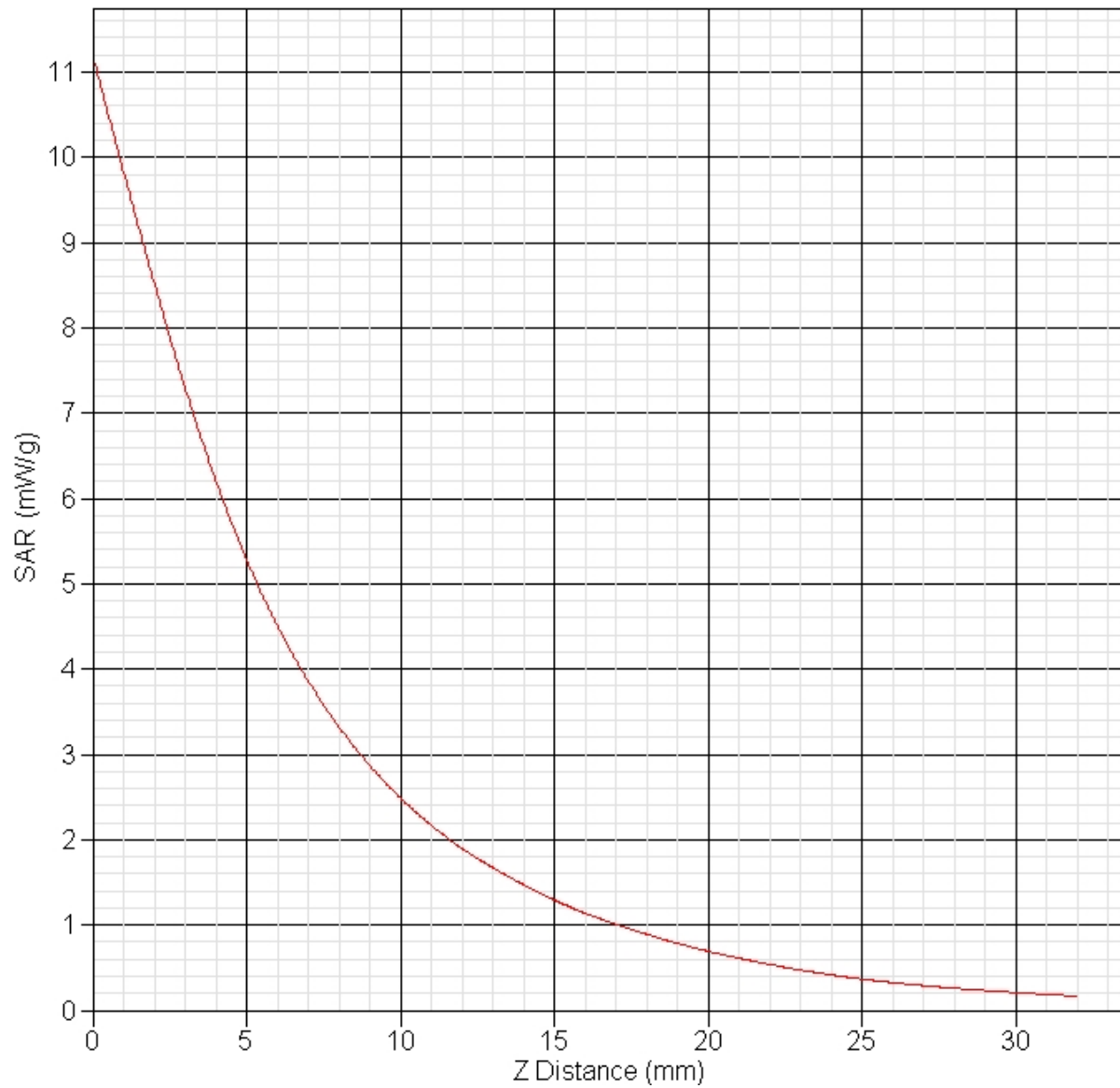
DUT Position : Touch
 Separation : 10
 Channel : Mid



1 gram SAR value : 5.306 W/kg
 10 gram SAR value : 2.404 W/kg
 Area Scan Peak SAR : 6.258 W/kg
 Zoom Scan Peak SAR : 11.190 W/kg

SAR-Z Axis

at Hotspot x:0.22 y:-0.15



Appendix B – SAR Test Data Plots

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 11:46:26 AM
End Time : 25-Apr-2008 12:02:45 PM
Scanning Time : 979 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.308 W/kg
Power Drift-Finish: 0.304 W/kg
Power Drift (%) : -1.296

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

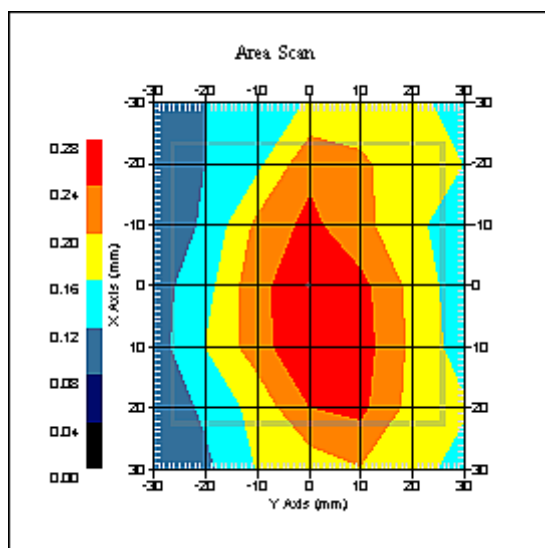
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.298 W/kg
 10 gram SAR value : 0.182 W/kg
 Area Scan Peak SAR : 0.280 W/kg
 Zoom Scan Peak SAR : 0.520 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 09:07:37 AM
End Time : 24-Apr-2008 09:25:04 AM
Scanning Time : 1047 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.634 W/kg
Power Drift-Finish: 0.646 W/kg
Power Drift (%) : 1.784

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

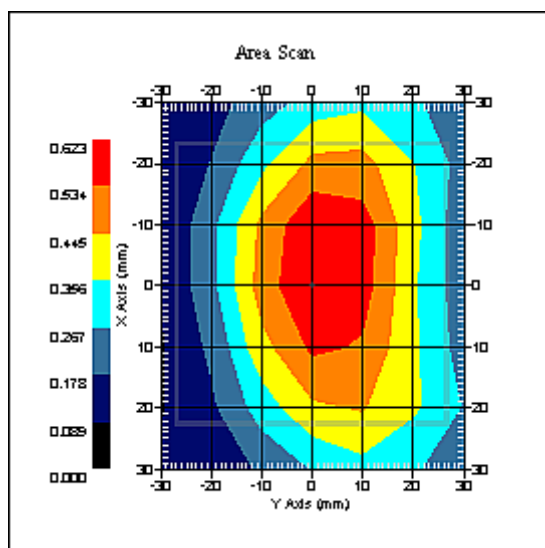
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.614 W/kg
 10 gram SAR value : 0.366 W/kg
 Area Scan Peak SAR : 0.620 W/kg
 Zoom Scan Peak SAR : 0.980 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 10:23:37 AM
End Time : 24-Apr-2008 10:41:10 AM
Scanning Time : 1053 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.632 W/kg
Power Drift-Finish: 0.609 W/kg
Power Drift (%) : -3.626

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

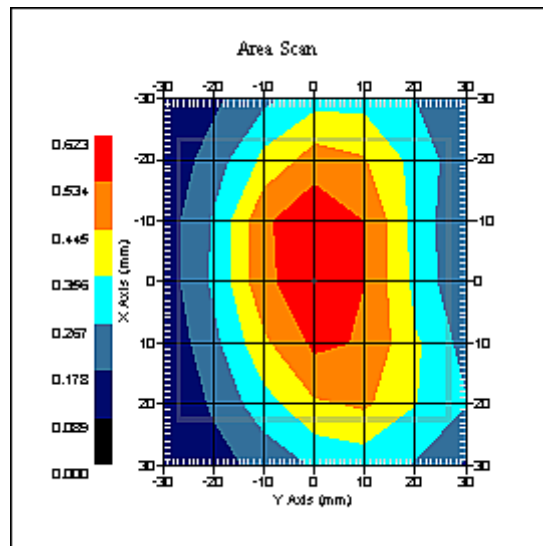
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.590 W/kg
 10 gram SAR value : 0.352 W/kg
 Area Scan Peak SAR : 0.622 W/kg
 Zoom Scan Peak SAR : 0.950 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 09:45:23 AM
End Time : 24-Apr-2008 10:02:54 AM
Scanning Time : 1051 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.597 W/kg
Power Drift-Finish: 0.606 W/kg
Power Drift (%) : 1.530

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

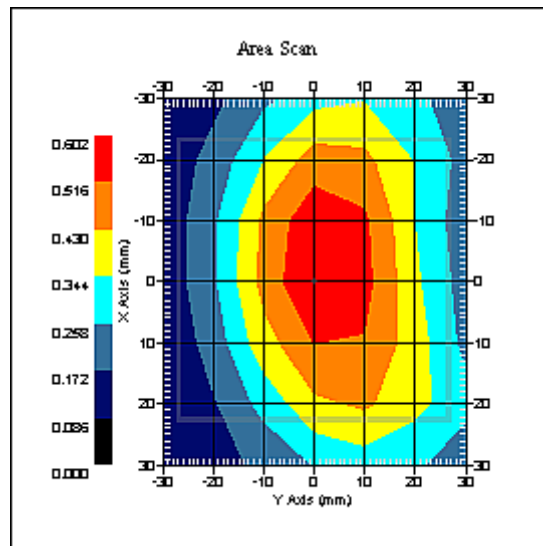
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.567 W/kg
 10 gram SAR value : 0.347 W/kg
 Area Scan Peak SAR : 0.601 W/kg
 Zoom Scan Peak SAR : 0.900 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 02:04:27 PM
End Time : 25-Apr-2008 02:20:48 PM
Scanning Time : 981 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.528 W/kg
Power Drift-Finish: 0.507 W/kg
Power Drift (%) : -3.962

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

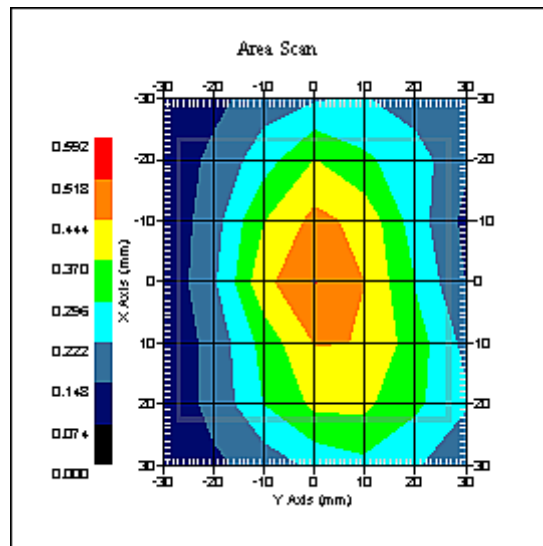
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 25-Apr-2008
Set-up Time : 7:26:49 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.490 W/kg
10 gram SAR value : 0.297 W/kg
Area Scan Peak SAR : 0.521 W/kg
Zoom Scan Peak SAR : 0.730 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 09:55:04 AM
End Time : 25-Apr-2008 10:11:16 AM
Scanning Time : 972 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.609 W/kg
Power Drift-Finish: 0.599 W/kg
Power Drift (%) : -1.633

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

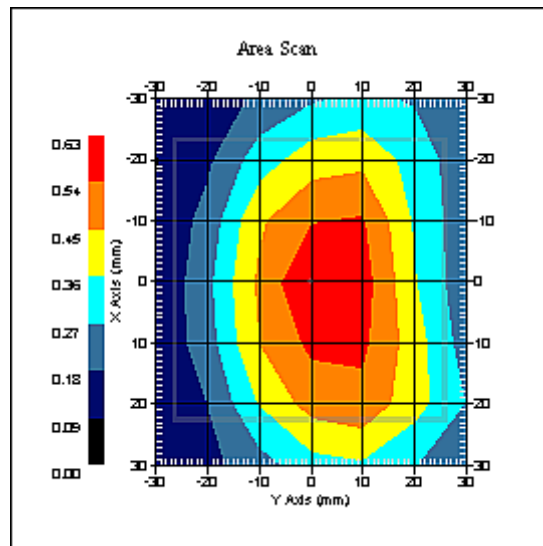
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.622 W/kg
 10 gram SAR value : 0.365 W/kg
 Area Scan Peak SAR : 0.630 W/kg
 Zoom Scan Peak SAR : 1.070 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 10:48:10 AM
End Time : 25-Apr-2008 11:04:19 AM
Scanning Time : 969 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.667 W/kg
Power Drift-Finish: 0.682 W/kg
Power Drift (%) : 2.275

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

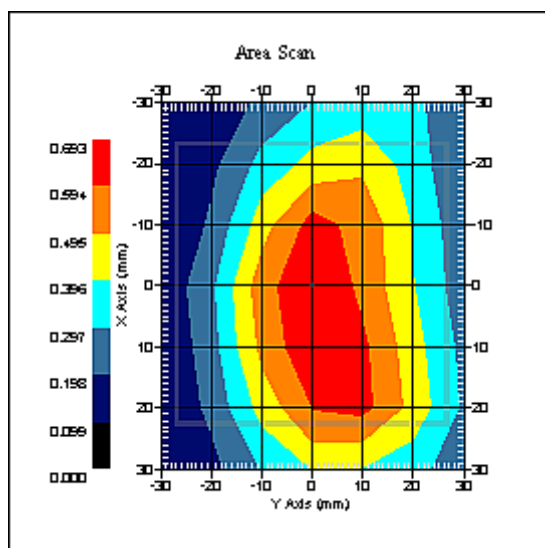
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

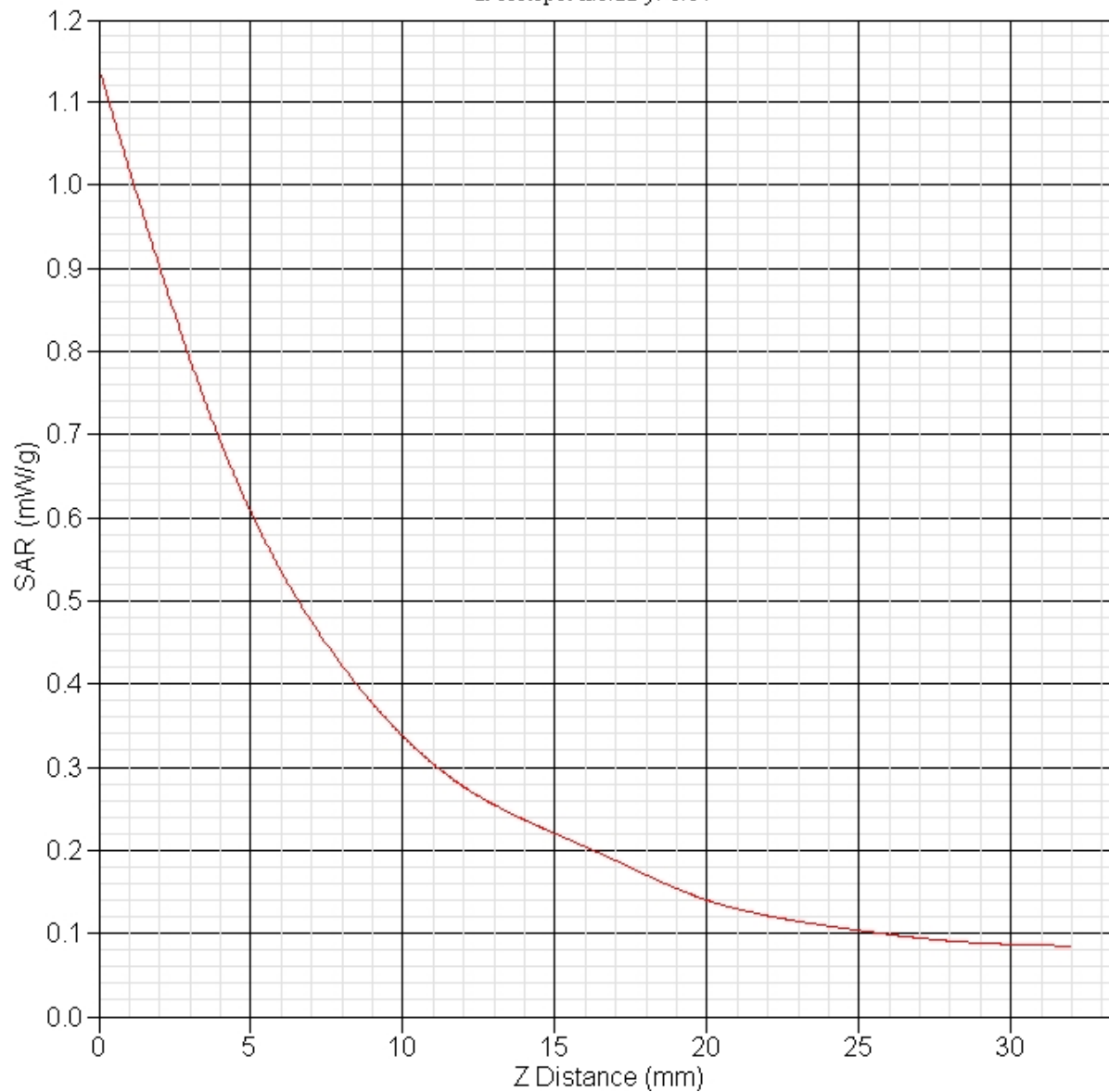
DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.661 W/kg
 10 gram SAR value : 0.387 W/kg
 Area Scan Peak SAR : 0.693 W/kg
 Zoom Scan Peak SAR : 1.141 W/kg

SAR-Z Axis

at Hotspot x:0.22 y:-0.14



SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 12:25:47 PM
End Time : 25-Apr-2008 12:42:07 PM
Scanning Time : 980 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.276 W/kg
Power Drift-Finish: 0.265 W/kg
Power Drift (%) : -3.926

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

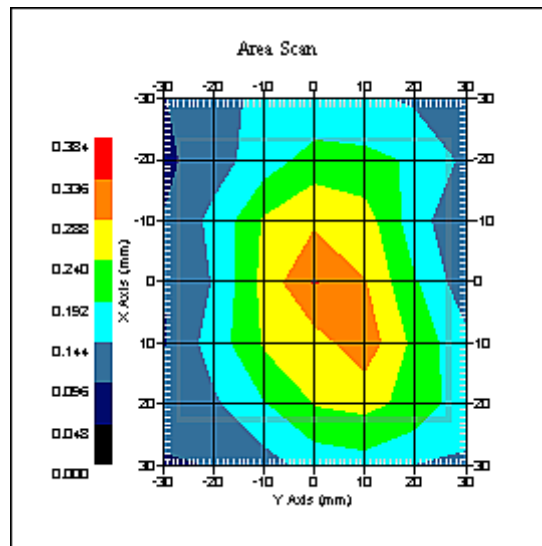
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 25-Apr-2008
Set-up Time : 7:26:49 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Mid



1 gram SAR value : 0.270 W/kg
10 gram SAR value : 0.178 W/kg
Area Scan Peak SAR : 0.339 W/kg
Zoom Scan Peak SAR : 0.410 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 10:03:45 AM
End Time : 24-Apr-2008 10:21:10 AM
Scanning Time : 1045 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.602 W/kg
Power Drift-Finish: 0.583 W/kg
Power Drift (%) : -3.095

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

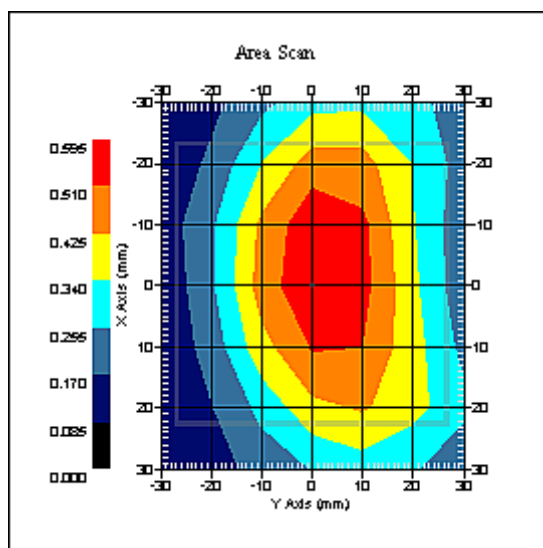
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.579 W/kg
 10 gram SAR value : 0.349 W/kg
 Area Scan Peak SAR : 0.592 W/kg
 Zoom Scan Peak SAR : 0.940 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 09:26:24 AM
End Time : 24-Apr-2008 09:43:57 AM
Scanning Time : 1053 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.633 W/kg
Power Drift-Finish: 0.637 W/kg
Power Drift (%) : 0.730

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

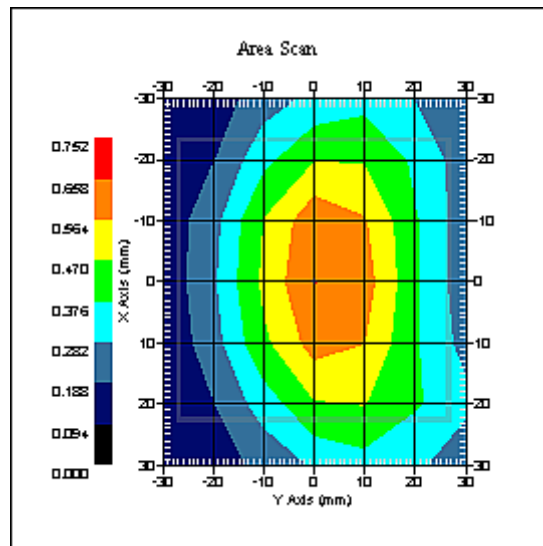
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.615 W/kg
 10 gram SAR value : 0.373 W/kg
 Area Scan Peak SAR : 0.660 W/kg
 Zoom Scan Peak SAR : 1.000 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 10:46:06 AM
End Time : 24-Apr-2008 11:03:44 AM
Scanning Time : 1058 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.445 W/kg
Power Drift-Finish: 0.438 W/kg
Power Drift (%) : -1.422

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

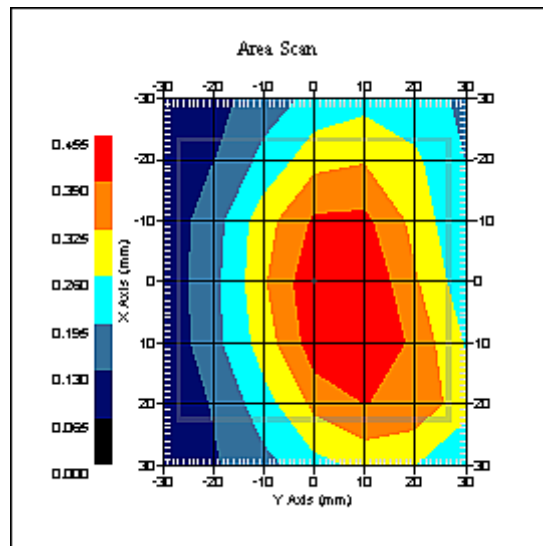
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.455 W/kg
10 gram SAR value : 0.281 W/kg
Area Scan Peak SAR : 0.455 W/kg
Zoom Scan Peak SAR : 0.730 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 01:27:05 PM
End Time : 25-Apr-2008 01:43:12 PM
Scanning Time : 967 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.505 W/kg
Power Drift-Finish: 0.483 W/kg
Power Drift (%) : -4.319

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

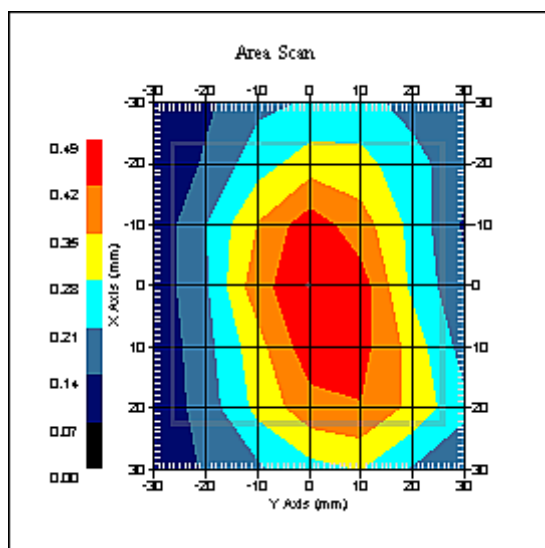
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.503 W/kg
 10 gram SAR value : 0.297 W/kg
 Area Scan Peak SAR : 0.488 W/kg
 Zoom Scan Peak SAR : 0.900 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 11:25:53 AM
End Time : 25-Apr-2008 11:42:15 AM
Scanning Time : 982 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.792 W/kg
Power Drift-Finish: 0.796 W/kg
Power Drift (%) : 0.625

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

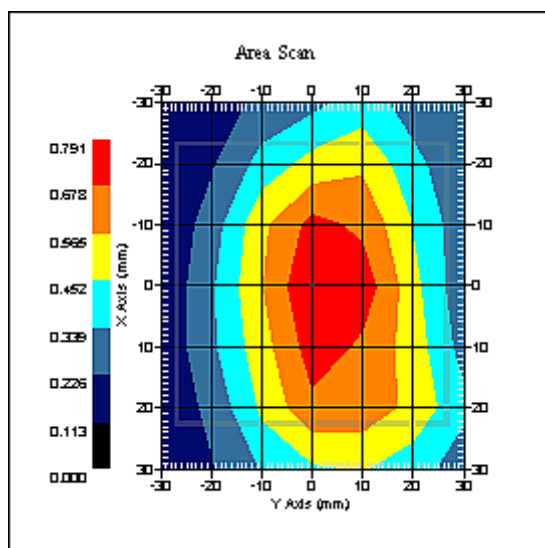
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

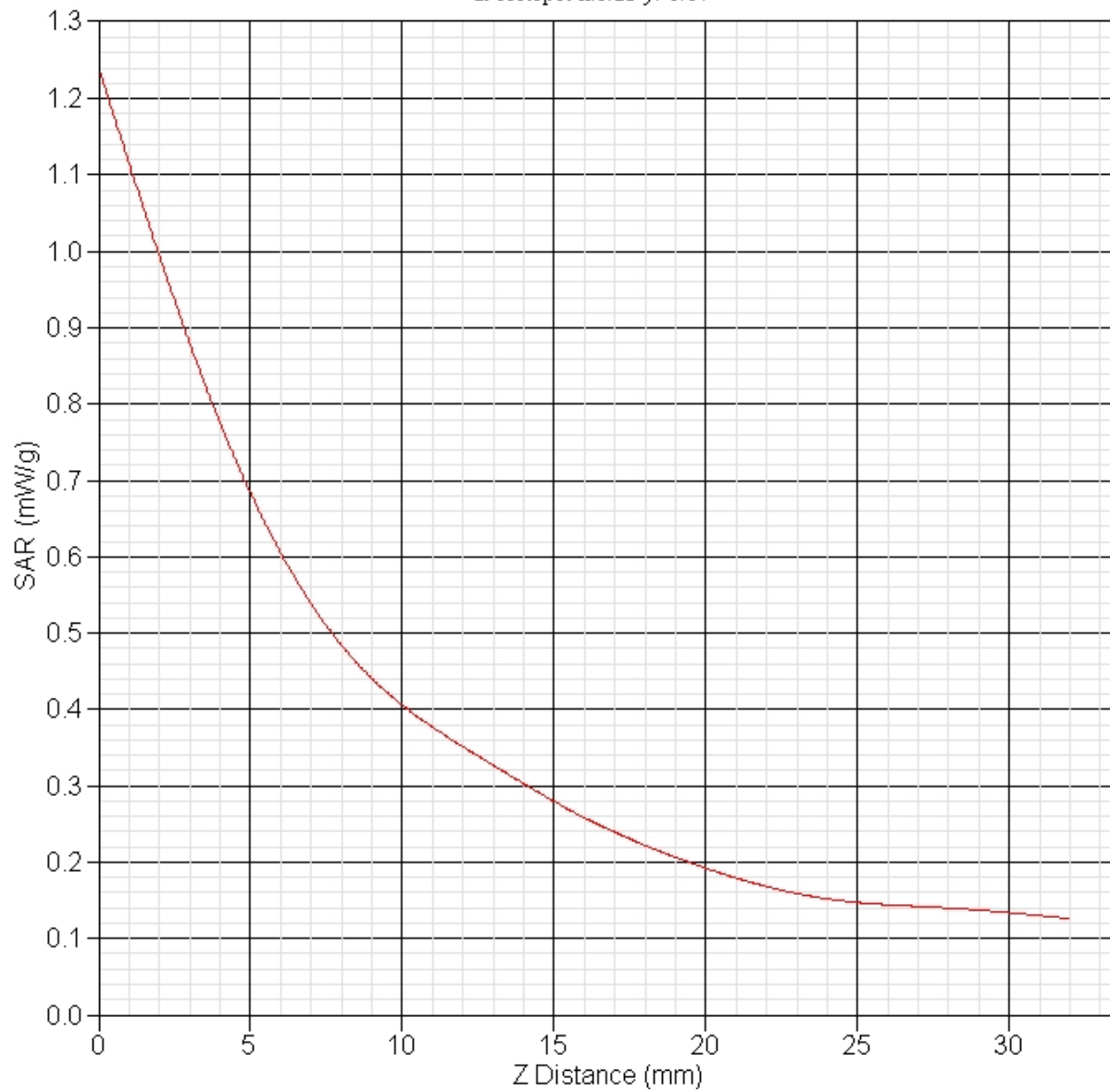
DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.716 W/kg
 10 gram SAR value : 0.411 W/kg
 Area Scan Peak SAR : 0.788 W/kg
 Zoom Scan Peak SAR : 1.241 W/kg

SAR-Z Axis

at Hotspot x:8.23 y:-0.17



SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 10:12:33 AM
End Time : 25-Apr-2008 10:28:52 AM
Scanning Time : 979 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.644 W/kg
Power Drift-Finish: 0.657 W/kg
Power Drift (%) : 2.191

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

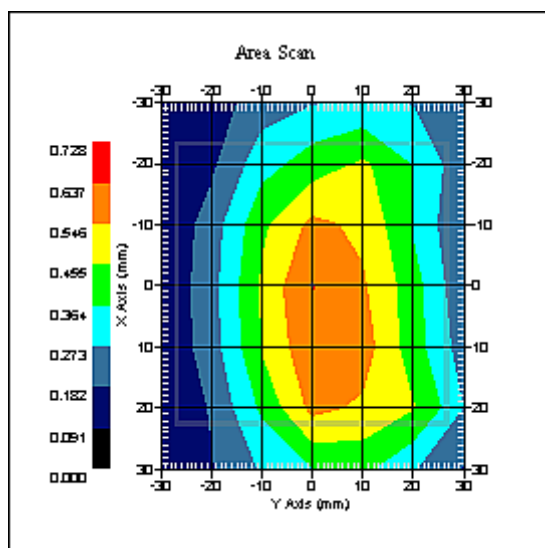
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.576 W/kg
 10 gram SAR value : 0.349 W/kg
 Area Scan Peak SAR : 0.640 W/kg
 Zoom Scan Peak SAR : 0.990 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 12:03:58 PM
End Time : 25-Apr-2008 12:20:21 PM
Scanning Time : 983 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.316 W/kg
Power Drift-Finish: 0.329 W/kg
Power Drift (%) : 4.329

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

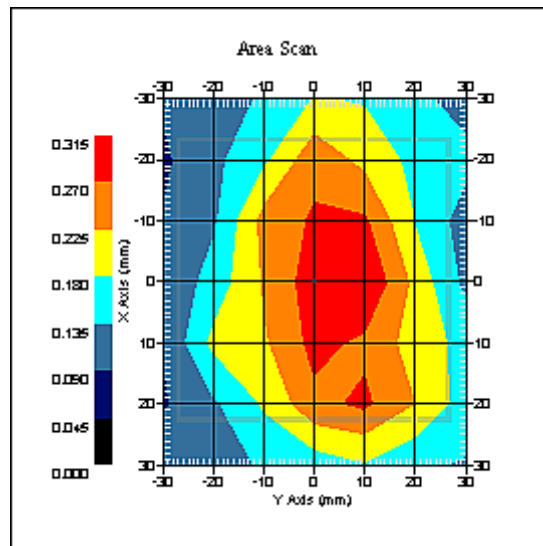
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.281 W/kg
 10 gram SAR value : 0.183 W/kg
 Area Scan Peak SAR : 0.312 W/kg
 Zoom Scan Peak SAR : 0.480 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 09:17:30 AM
End Time : 25-Apr-2008 09:34:48 AM
Scanning Time : 1038 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.646 W/kg
Power Drift-Finish: 0.637 W/kg
Power Drift (%) : -1.413

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

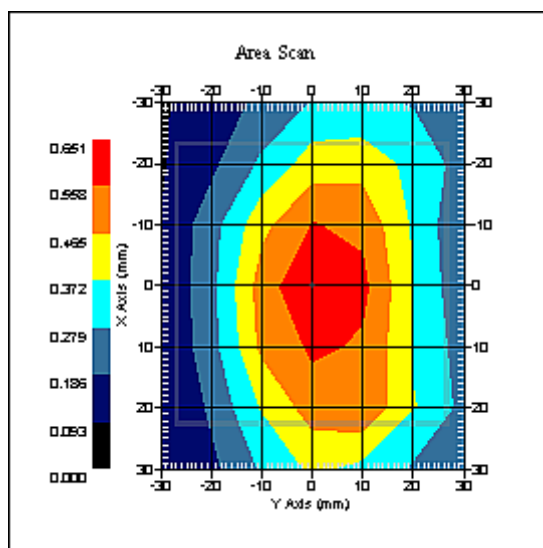
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.580 W/kg
 10 gram SAR value : 0.341 W/kg
 Area Scan Peak SAR : 0.648 W/kg
 Zoom Scan Peak SAR : 0.950 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 09:37:47 AM
End Time : 25-Apr-2008 09:54:10 AM
Scanning Time : 983 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.625 W/kg
Power Drift-Finish: 0.609 W/kg
Power Drift (%) : -2.549

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

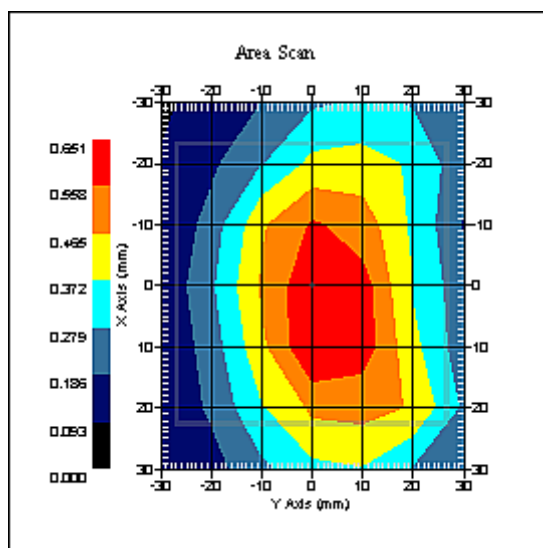
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.561 W/kg
 10 gram SAR value : 0.314 W/kg
 Area Scan Peak SAR : 0.651 W/kg
 Zoom Scan Peak SAR : 0.970 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 01:09:46 PM
End Time : 25-Apr-2008 01:26:07 PM
Scanning Time : 981 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.496 W/kg
Power Drift-Finish: 0.489 W/kg
Power Drift (%) : -1.425

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

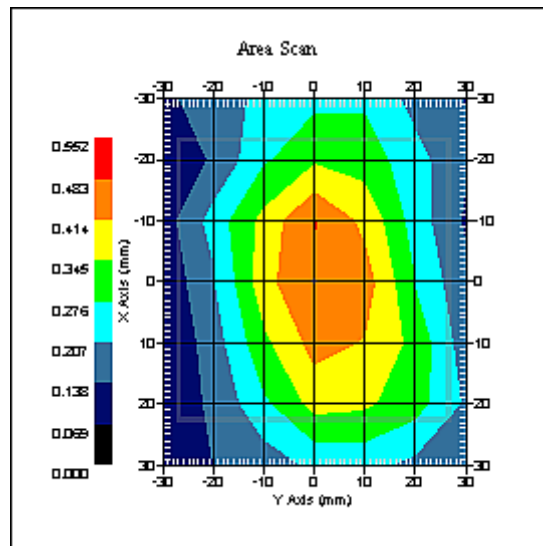
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.507 W/kg
 10 gram SAR value : 0.294 W/kg
 Area Scan Peak SAR : 0.485 W/kg
 Zoom Scan Peak SAR : 0.880 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 01:46:02 PM
End Time : 25-Apr-2008 02:02:17 PM
Scanning Time : 975 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.527 W/kg
Power Drift-Finish: 0.540 W/kg
Power Drift (%) : 2.524

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

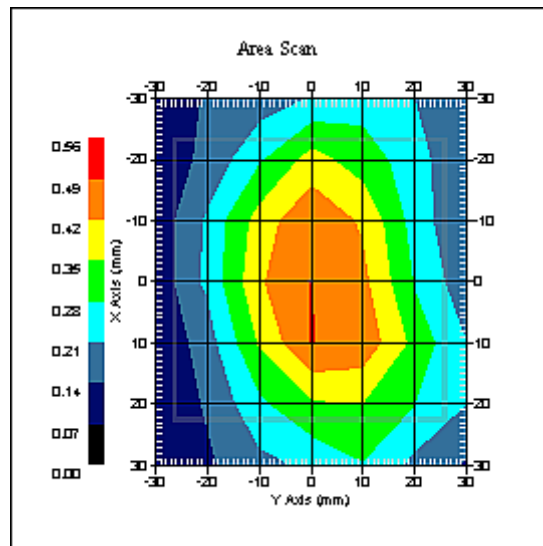
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 25-Apr-2008
Set-up Time : 7:26:49 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.477 W/kg
10 gram SAR value : 0.287 W/kg
Area Scan Peak SAR : 0.492 W/kg
Zoom Scan Peak SAR : 0.810 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 10:30:43 AM
End Time : 25-Apr-2008 10:47:04 AM
Scanning Time : 981 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.683 W/kg
Power Drift-Finish: 0.682 W/kg
Power Drift (%) : -0.023

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

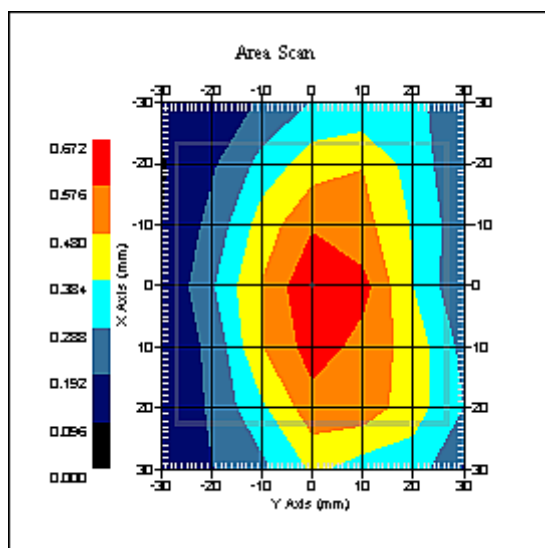
Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

```
Crest Factor      : 1
Scan Type        : Complete
Tissue Temp.     : 20.00 °C
Ambient Temp.    : 23.00 °C
Set-up Date      : 25-Apr-2008
Set-up Time      : 7:26:49 AM
Area Scan        : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
```

```
DUT Position      : Touch
Separation        : 0
Channel           : Mid
```



1 gram SAR value : 0.612 W/kg
10 gram SAR value : 0.358 W/kg
Area Scan Peak SAR : 0.670 W/kg
Zoom Scan Peak SAR : 1.050 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 11:08:39 AM
End Time : 25-Apr-2008 11:24:55 AM
Scanning Time : 976 secs

Product Data

Device Name : Navini Networks - Dell
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.783 W/kg
Power Drift-Finish: 0.806 W/kg
Power Drift (%) : 2.946

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

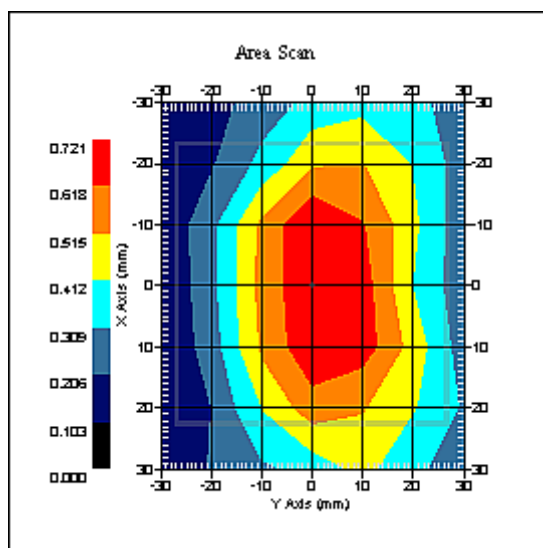
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

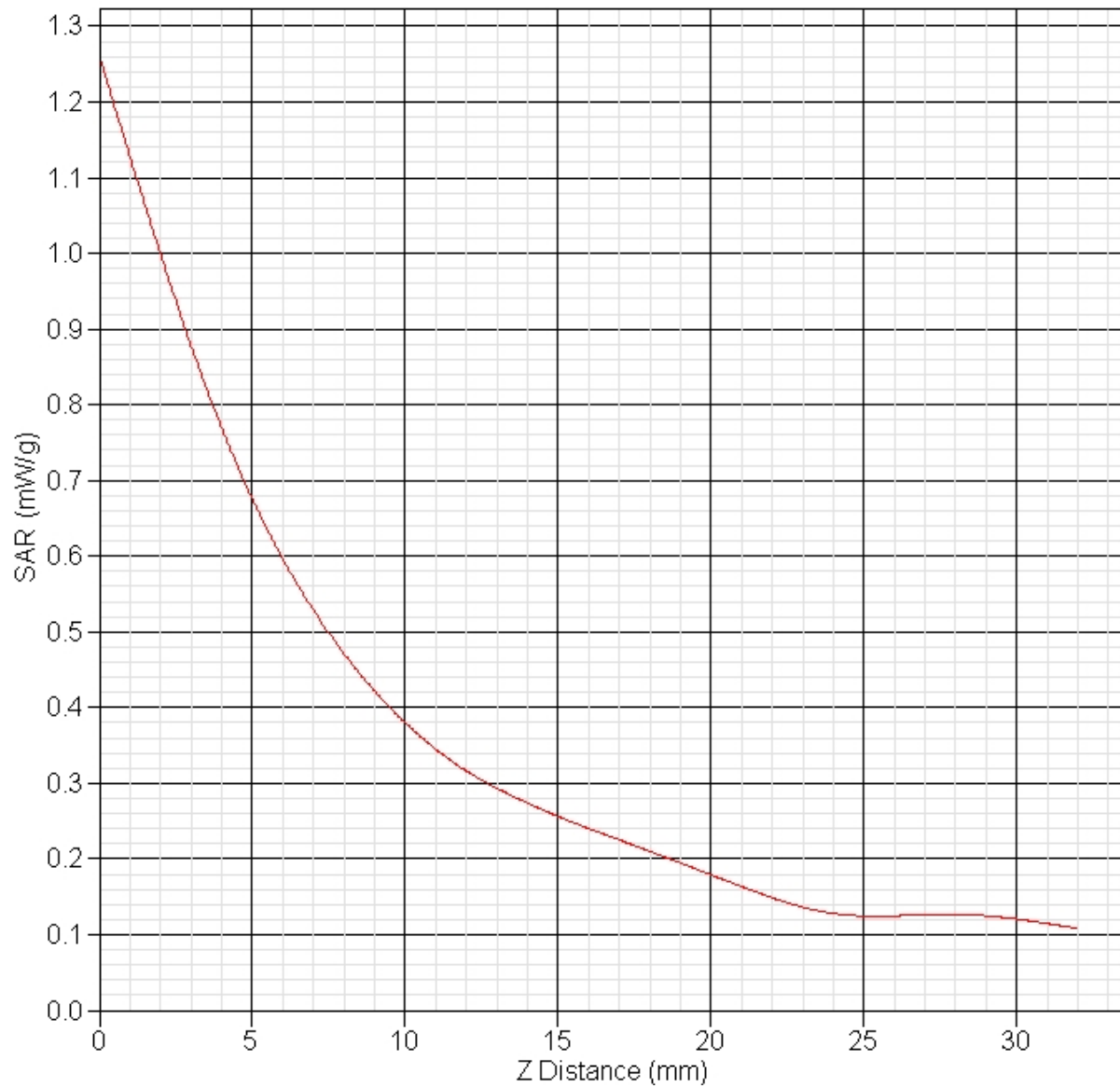
DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.733 W/kg
 10 gram SAR value : 0.427 W/kg
 Area Scan Peak SAR : 0.718 W/kg
 Zoom Scan Peak SAR : 1.261 W/kg

SAR-Z Axis

at Hotspot x:-1.72 y:-0.18



SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 09:00:08 AM
End Time : 26-Apr-2008 09:17:36 AM
Scanning Time : 1048 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.329 W/kg
Power Drift-Finish: 0.316 W/kg
Power Drift (%) : -4.083

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

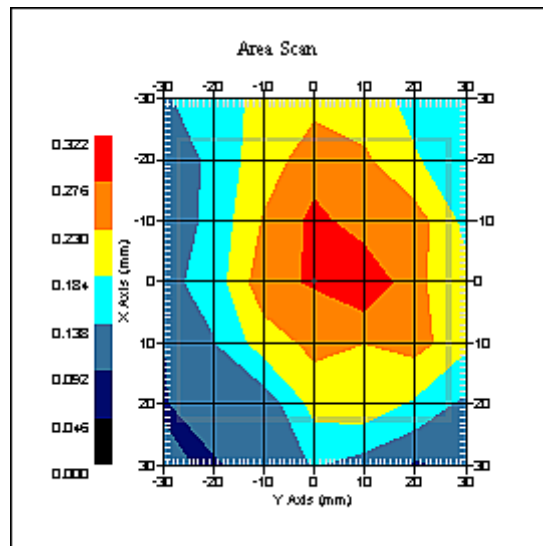
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:19:55 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.302 W/kg
 10 gram SAR value : 0.195 W/kg
 Area Scan Peak SAR : 0.319 W/kg
 Zoom Scan Peak SAR : 0.450 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 12:22:02 PM
End Time : 24-Apr-2008 12:39:37 PM
Scanning Time : 1055 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.487 W/kg
Power Drift-Finish: 0.471 W/kg
Power Drift (%) : -3.129

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

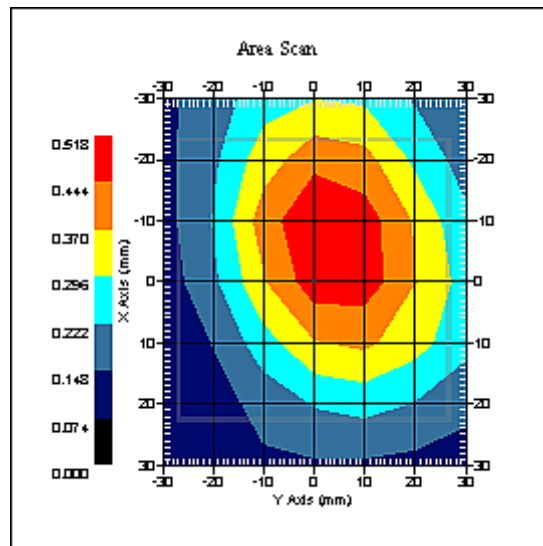
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.476 W/kg
10 gram SAR value : 0.282 W/kg
Area Scan Peak SAR : 0.515 W/kg
Zoom Scan Peak SAR : 0.770 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 12:41:15 PM
End Time : 24-Apr-2008 12:58:57 PM
Scanning Time : 1062 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.464 W/kg
Power Drift-Finish: 0.463 W/kg
Power Drift (%) : -0.298

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

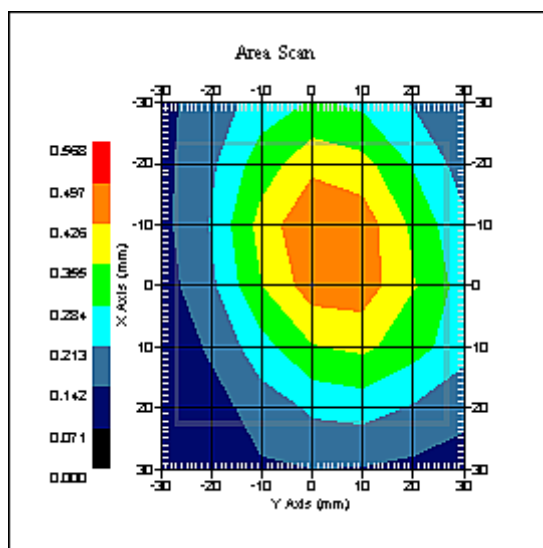
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.470 W/kg
 10 gram SAR value : 0.280 W/kg
 Area Scan Peak SAR : 0.498 W/kg
 Zoom Scan Peak SAR : 0.770 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 01:03:42 PM
End Time : 24-Apr-2008 01:21:13 PM
Scanning Time : 1051 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.456 W/kg
Power Drift-Finish: 0.455 W/kg
Power Drift (%) : -0.073

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

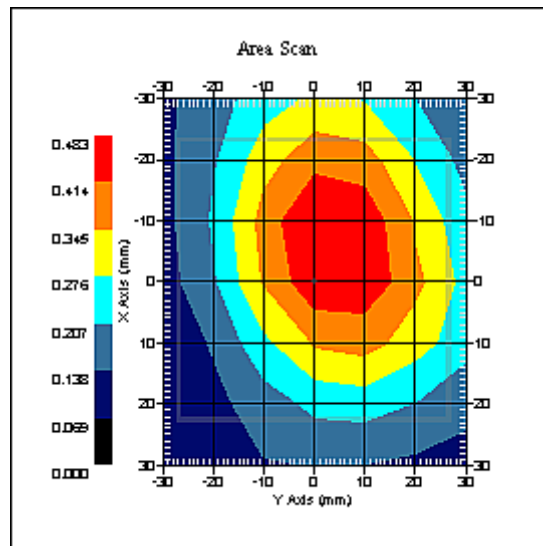
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.464 W/kg
 10 gram SAR value : 0.283 W/kg
 Area Scan Peak SAR : 0.482 W/kg
 Zoom Scan Peak SAR : 0.740 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 03:24:34 PM
End Time : 25-Apr-2008 03:40:54 PM
Scanning Time : 980 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.563 W/kg
Power Drift-Finish: 0.554 W/kg
Power Drift (%) : -1.983

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

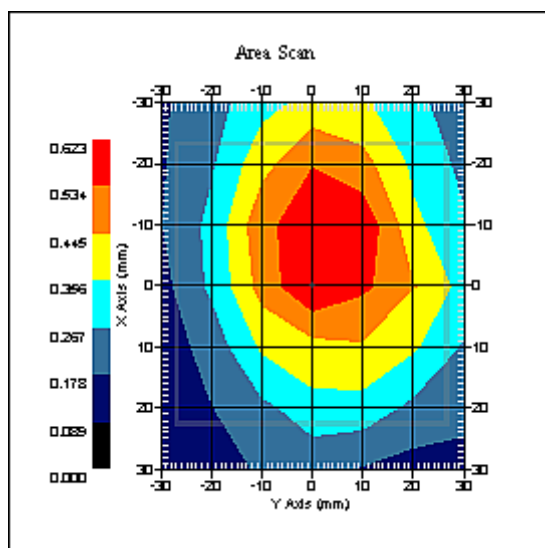
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.554 W/kg
 10 gram SAR value : 0.342 W/kg
 Area Scan Peak SAR : 0.622 W/kg
 Zoom Scan Peak SAR : 0.910 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 03:42:00 PM
End Time : 25-Apr-2008 03:58:19 PM
Scanning Time : 979 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.526 W/kg
Power Drift-Finish: 0.506 W/kg
Power Drift (%) : -3.888

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

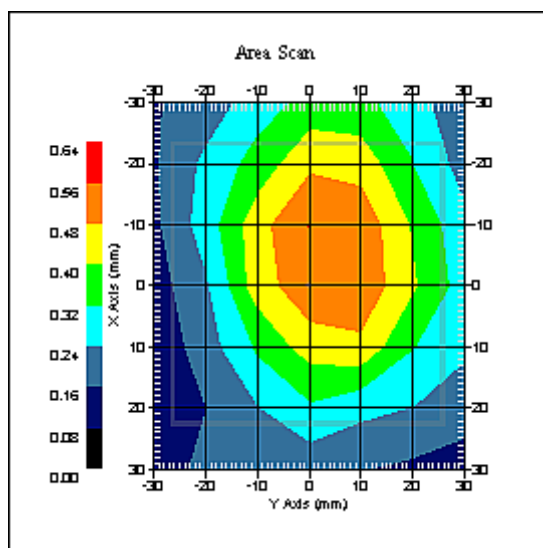
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.494 W/kg
 10 gram SAR value : 0.330 W/kg
 Area Scan Peak SAR : 0.561 W/kg
 Zoom Scan Peak SAR : 0.900 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 04:00:47 PM
End Time : 25-Apr-2008 04:17:06 PM
Scanning Time : 979 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.528 W/kg
Power Drift-Finish: 0.545 W/kg
Power Drift (%) : 3.246

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

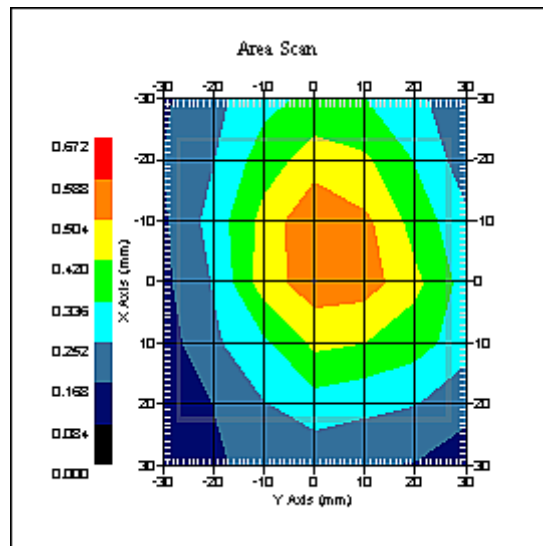
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

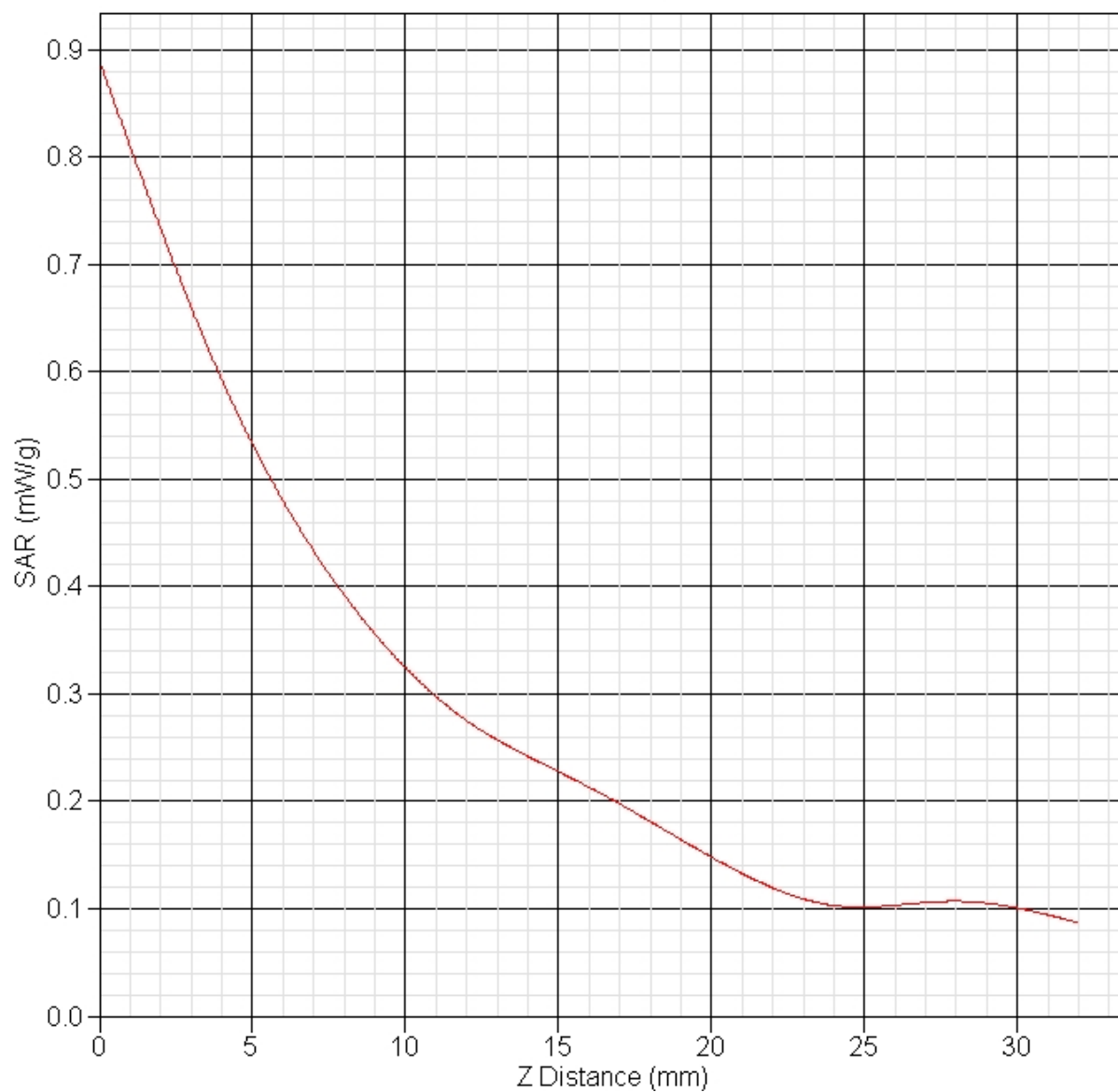
Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.561 W/kg
 10 gram SAR value : 0.335 W/kg
 Area Scan Peak SAR : 0.589 W/kg
 Zoom Scan Peak SAR : 0.890 W/kg

SAR-Z Axis
at Hotspot x:-9.80 y:-0.15



SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 09:20:48 AM
End Time : 26-Apr-2008 09:38:36 AM
Scanning Time : 1068 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.303 W/kg
Power Drift-Finish: 0.311 W/kg
Power Drift (%) : 2.754

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

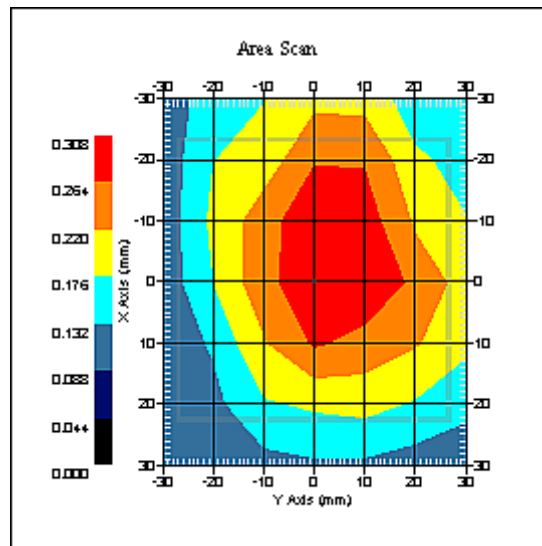
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:19:55 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.302 W/kg
 10 gram SAR value : 0.196 W/kg
 Area Scan Peak SAR : 0.306 W/kg
 Zoom Scan Peak SAR : 0.470 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 01:24:25 PM
End Time : 24-Apr-2008 01:41:57 PM
Scanning Time : 1052 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.466 W/kg
Power Drift-Finish: 0.466 W/kg
Power Drift (%) : 0.030

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

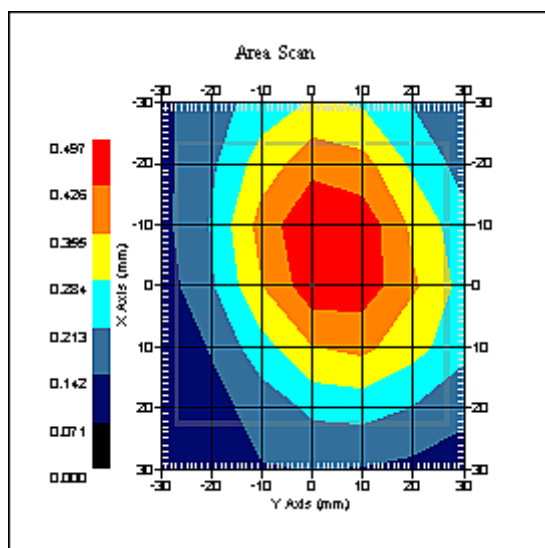
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.472 W/kg
 10 gram SAR value : 0.286 W/kg
 Area Scan Peak SAR : 0.495 W/kg
 Zoom Scan Peak SAR : 0.770 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 01:42:52 PM
End Time : 24-Apr-2008 02:00:39 PM
Scanning Time : 1067 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.461 W/kg
Power Drift-Finish: 0.460 W/kg
Power Drift (%) : -0.123

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

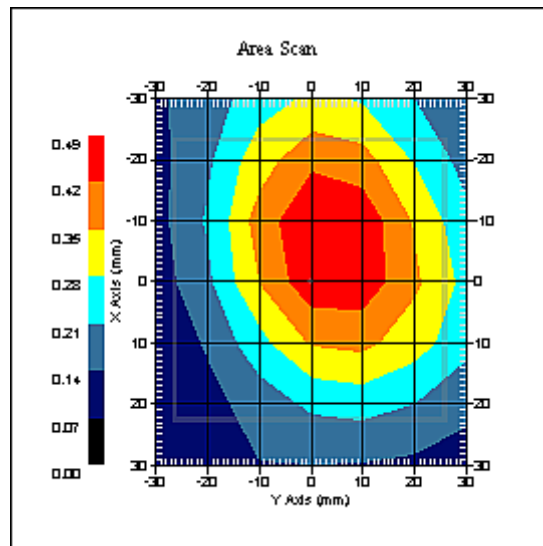
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.469 W/kg
 10 gram SAR value : 0.274 W/kg
 Area Scan Peak SAR : 0.489 W/kg
 Zoom Scan Peak SAR : 0.760 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 02:04:14 PM
End Time : 24-Apr-2008 02:22:00 PM
Scanning Time : 1066 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.467 W/kg
Power Drift-Finish: 0.470 W/kg
Power Drift (%) : 0.725

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

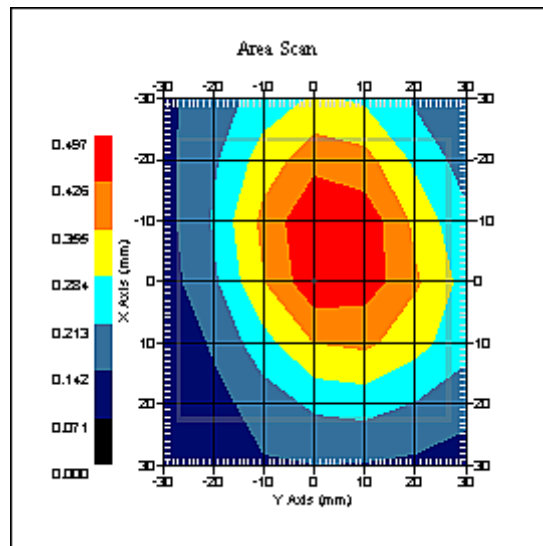
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.470 W/kg
10 gram SAR value : 0.276 W/kg
Area Scan Peak SAR : 0.496 W/kg
Zoom Scan Peak SAR : 0.760 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 04:19:45 PM
End Time : 25-Apr-2008 04:36:07 PM
Scanning Time : 982 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.553 W/kg
Power Drift-Finish: 0.538 W/kg
Power Drift (%) : -2.758

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

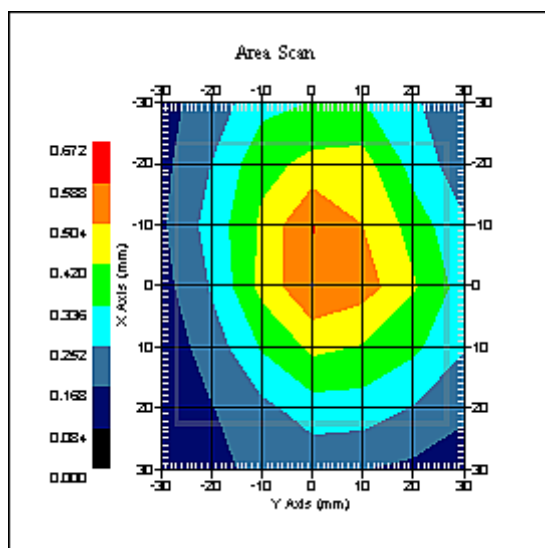
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.546 W/kg
 10 gram SAR value : 0.327 W/kg
 Area Scan Peak SAR : 0.590 W/kg
 Zoom Scan Peak SAR : 0.880 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 04:37:34 PM
End Time : 25-Apr-2008 04:53:45 PM
Scanning Time : 971 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.564 W/kg
Power Drift-Finish: 0.567 W/kg
Power Drift (%) : 0.538

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

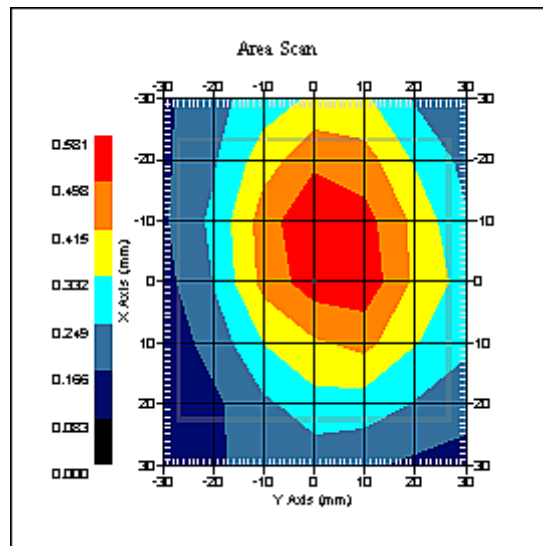
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 7:26:49 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

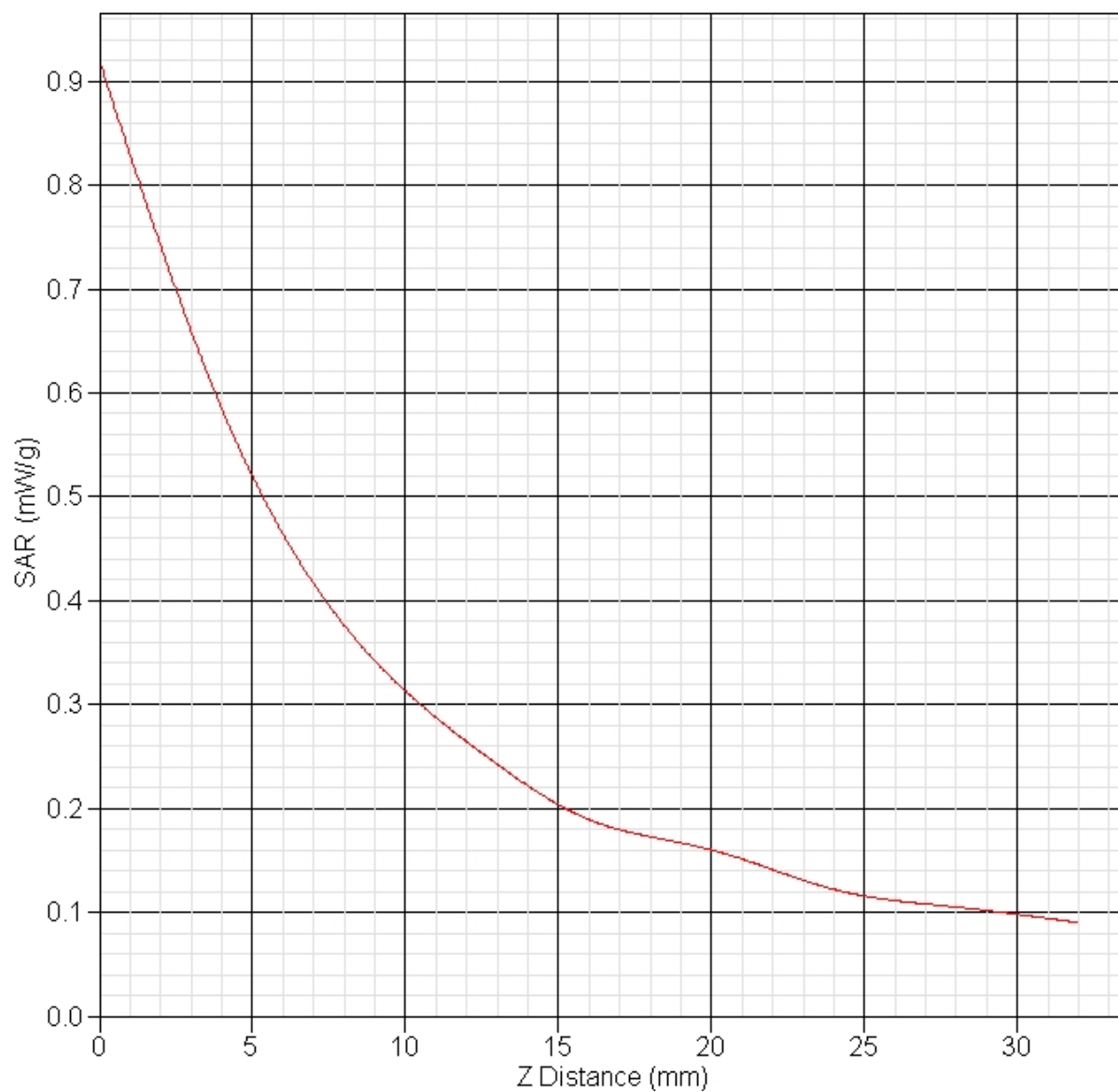
Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.561 W/kg
 10 gram SAR value : 0.342 W/kg
 Area Scan Peak SAR : 0.579 W/kg
 Zoom Scan Peak SAR : 0.920 W/kg

SAR-Z Axis
at Hotspot x:-9.77 y:-0.13



SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 07:23:03 AM
End Time : 26-Apr-2008 07:41:17 AM
Scanning Time : 1094 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.487 W/kg
Power Drift-Finish: 0.500 W/kg
Power Drift (%) : 2.681

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

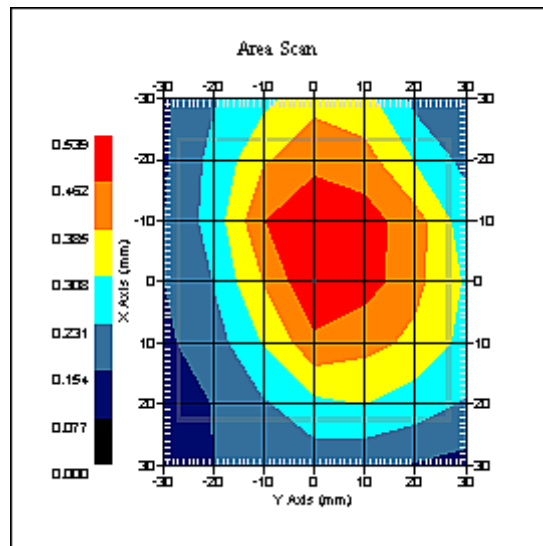
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 26-Apr-2008
Set-up Time : 7:19:55 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.523 W/kg
10 gram SAR value : 0.320 W/kg
Area Scan Peak SAR : 0.538 W/kg
Zoom Scan Peak SAR : 0.900 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 09:43:50 AM
End Time : 26-Apr-2008 10:01:37 AM
Scanning Time : 1067 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.309 W/kg
Power Drift-Finish: 0.305 W/kg
Power Drift (%) : -1.139

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

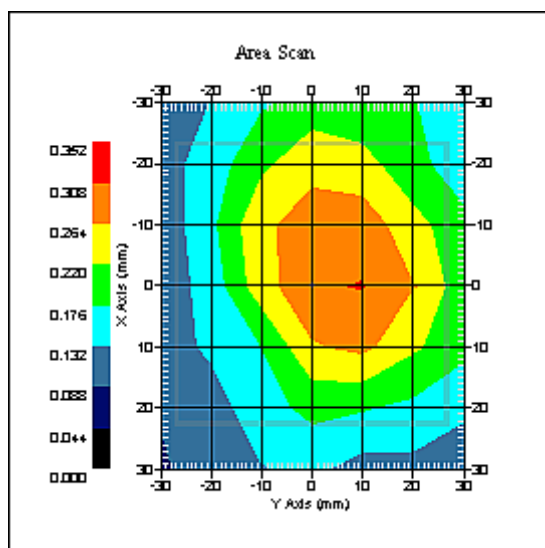
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:19:55 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.307 W/kg
 10 gram SAR value : 0.204 W/kg
 Area Scan Peak SAR : 0.310 W/kg
 Zoom Scan Peak SAR : 0.480 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 04:14:10 PM
End Time : 24-Apr-2008 04:31:45 PM
Scanning Time : 1055 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.542 W/kg
Power Drift-Finish: 0.528 W/kg
Power Drift (%) : -2.946

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

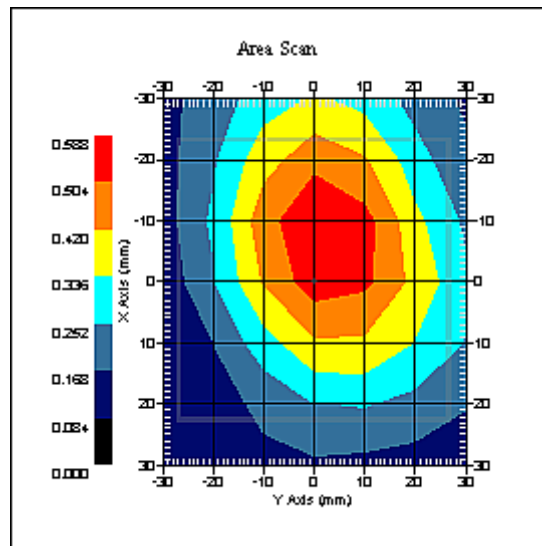
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

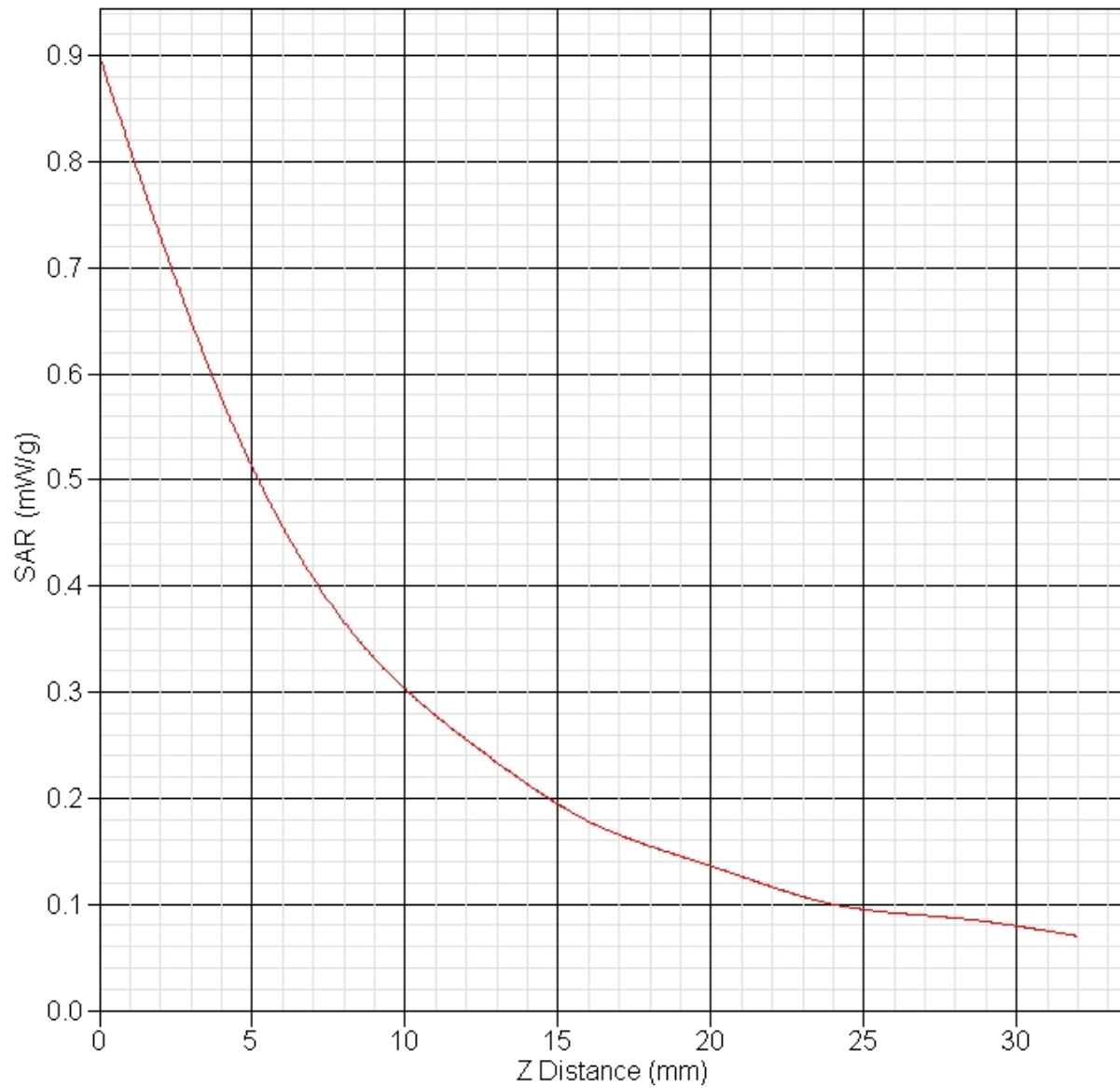
Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.550 W/kg
10 gram SAR value : 0.327 W/kg
Area Scan Peak SAR : 0.587 W/kg
Zoom Scan Peak SAR : 0.900 W/kg

SAR-Z Axis
at Hotspot x:-9.69 y:-0.18



SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 04:34:01 PM
End Time : 24-Apr-2008 04:51:37 PM
Scanning Time : 1056 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.535 W/kg
Power Drift-Finish: 0.534 W/kg
Power Drift (%) : -0.217

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

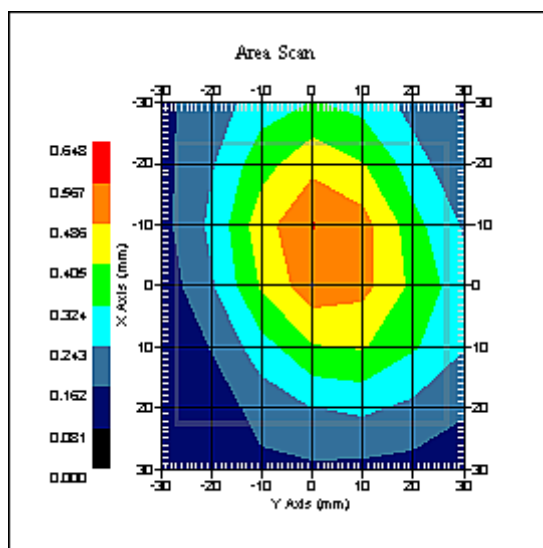
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.530 W/kg
 10 gram SAR value : 0.312 W/kg
 Area Scan Peak SAR : 0.570 W/kg
 Zoom Scan Peak SAR : 0.870 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 04:54:49 PM
End Time : 24-Apr-2008 05:12:19 PM
Scanning Time : 1050 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.533 W/kg
Power Drift-Finish: 0.527 W/kg
Power Drift (%) : -1.206

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

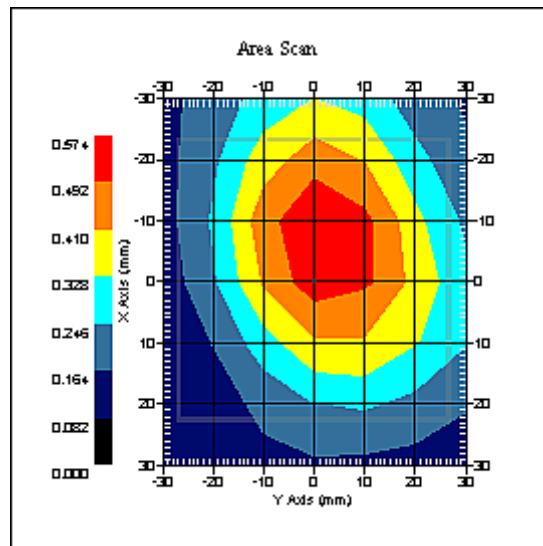
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.543 W/kg
10 gram SAR value : 0.324 W/kg
Area Scan Peak SAR : 0.572 W/kg
Zoom Scan Peak SAR : 0.890 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 07:46:14 AM
End Time : 26-Apr-2008 08:03:55 AM
Scanning Time : 1061 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.431 W/kg
Power Drift-Finish: 0.429 W/kg
Power Drift (%) : -0.421

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

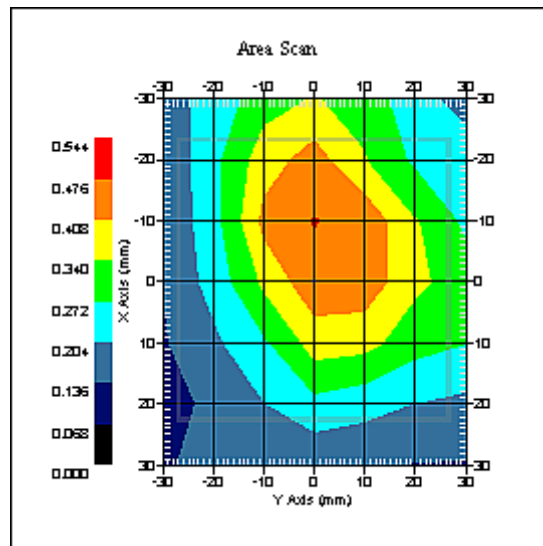
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 26-Apr-2008
Set-up Time : 7:19:55 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.449 W/kg
10 gram SAR value : 0.277 W/kg
Area Scan Peak SAR : 0.479 W/kg
Zoom Scan Peak SAR : 0.710 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 08:05:11 AM
End Time : 26-Apr-2008 08:22:43 AM
Scanning Time : 1052 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.416 W/kg
Power Drift-Finish: 0.434 W/kg
Power Drift (%) : 4.316

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

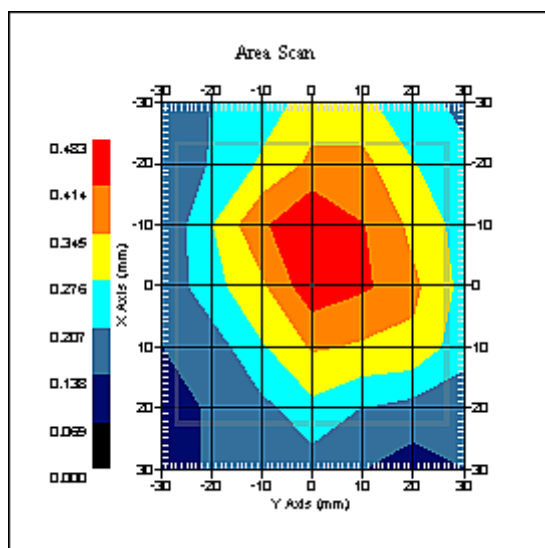
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:19:55 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.407 W/kg
 10 gram SAR value : 0.253 W/kg
 Area Scan Peak SAR : 0.481 W/kg
 Zoom Scan Peak SAR : 0.760 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 26-Apr-2008
Starting Time : 26-Apr-2008 08:33:33 AM
End Time : 26-Apr-2008 08:51:03 AM
Scanning Time : 1050 secs

Product Data

Device Name : Navini Networks - HP
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.446 W/kg
Power Drift-Finish: 0.453 W/kg
Power Drift (%) : 1.599

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 26-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.43 F/m
Sigma : 2.14 S/m
Density : 1000.00 kg/cu. m

Probe Data

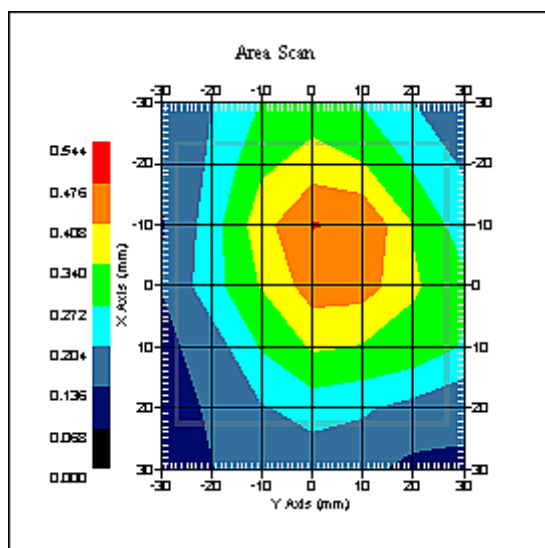
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 26-Apr-2008
 Set-up Time : 7:19:55 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.456 W/kg
 10 gram SAR value : 0.281 W/kg
 Area Scan Peak SAR : 0.478 W/kg
 Zoom Scan Peak SAR : 0.750 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 10:37:13 AM
End Time : 21-Apr-2008 10:55:11 AM
Scanning Time : 1078 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.304 W/kg
Power Drift-Finish: 0.298 W/kg
Power Drift (%) : -1.970

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

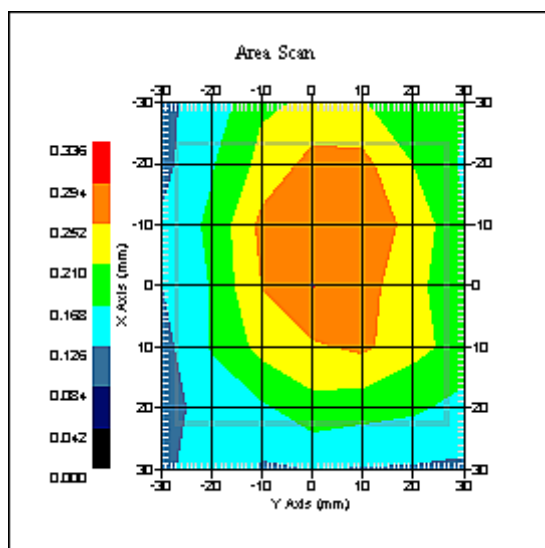
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 10:16:33 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.279 W/kg
 10 gram SAR value : 0.196 W/kg
 Area Scan Peak SAR : 0.295 W/kg
 Zoom Scan Peak SAR : 0.370 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 01:59:47 PM
End Time : 21-Apr-2008 02:16:24 PM
Scanning Time : 997 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.440 W/kg
Power Drift-Finish: 0.441 W/kg
Power Drift (%) : 0.316

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

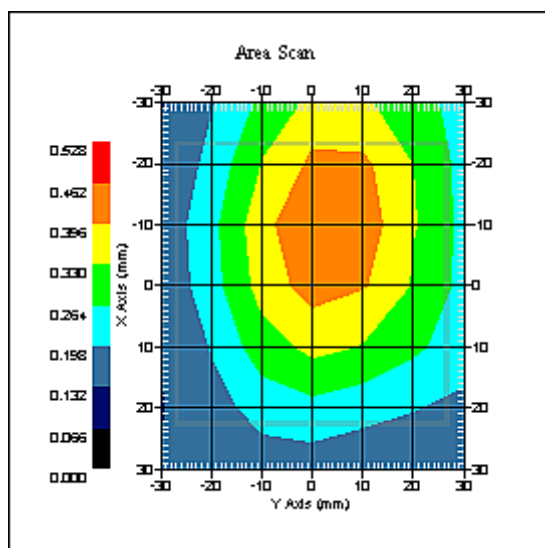
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.442 W/kg
 10 gram SAR value : 0.281 W/kg
 Area Scan Peak SAR : 0.463 W/kg
 Zoom Scan Peak SAR : 0.690 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 01:35:33 PM
End Time : 21-Apr-2008 01:52:08 PM
Scanning Time : 995 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.436 W/kg
Power Drift-Finish: 0.424 W/kg
Power Drift (%) : -2.715

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

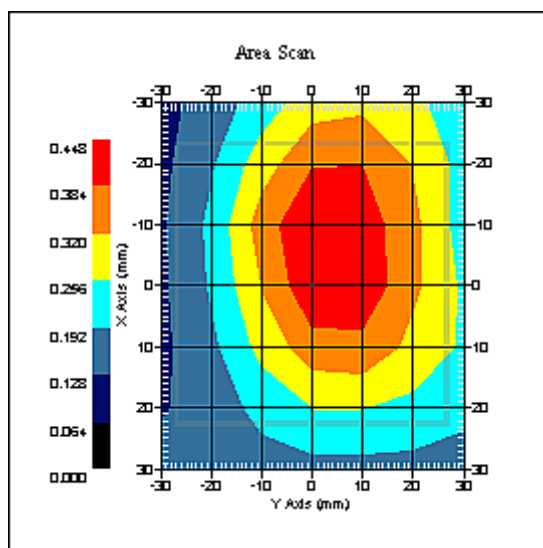
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:13:48 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.426 W/kg
 10 gram SAR value : 0.260 W/kg
 Area Scan Peak SAR : 0.447 W/kg
 Zoom Scan Peak SAR : 0.680 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 12:42:19 PM
End Time : 21-Apr-2008 12:59:58 PM
Scanning Time : 1059 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.403 W/kg
Power Drift-Finish: 0.419 W/kg
Power Drift (%) : 3.762

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

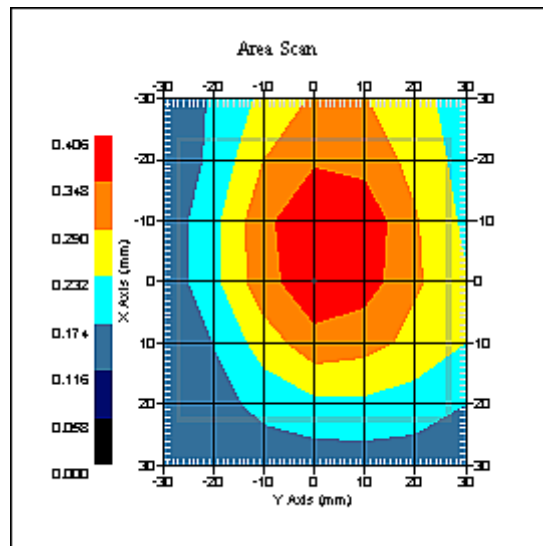
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 21-Apr-2008
Set-up Time : 10:16:33 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : High



1 gram SAR value : 0.414 W/kg
10 gram SAR value : 0.262 W/kg
Area Scan Peak SAR : 0.404 W/kg
Zoom Scan Peak SAR : 0.600 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 12:30:49 PM
End Time : 22-Apr-2008 12:47:07 PM
Scanning Time : 978 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.422 W/kg
Power Drift-Finish: 0.408 W/kg
Power Drift (%) : -3.393

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

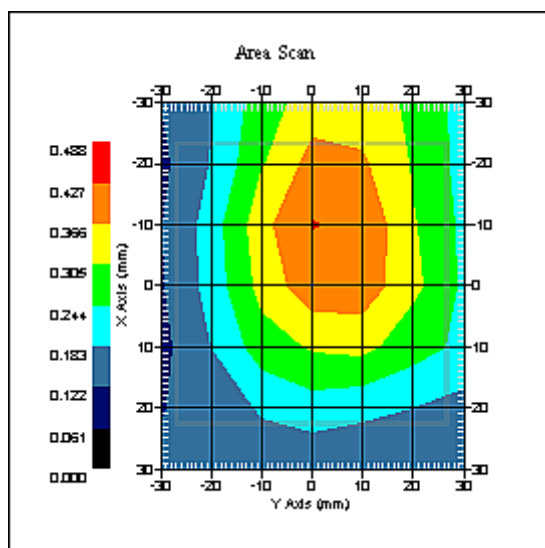
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.408 W/kg
 10 gram SAR value : 0.253 W/kg
 Area Scan Peak SAR : 0.429 W/kg
 Zoom Scan Peak SAR : 0.660 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 09:49:04 AM
End Time : 22-Apr-2008 10:05:58 AM
Scanning Time : 1014 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.616 W/kg
Power Drift-Finish: 0.591 W/kg
Power Drift (%) : -3.988

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

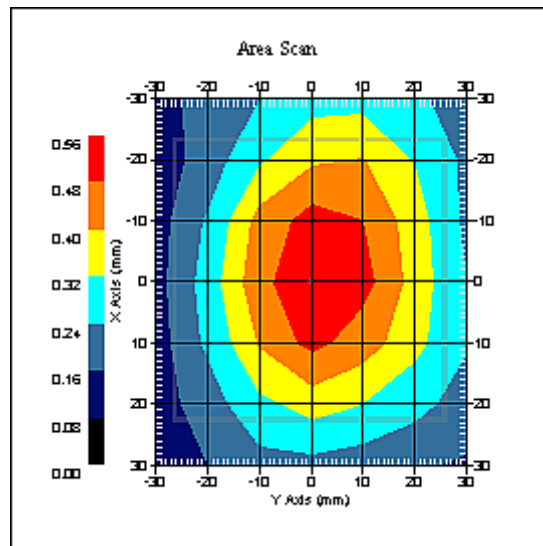
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Mid



1 gram SAR value : 0.525 W/kg
10 gram SAR value : 0.318 W/kg
Area Scan Peak SAR : 0.558 W/kg
Zoom Scan Peak SAR : 0.860 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 10:15:23 AM
End Time : 22-Apr-2008 10:31:34 AM
Scanning Time : 971 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.561 W/kg
Power Drift-Finish: 0.544 W/kg
Power Drift (%) : -3.039

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

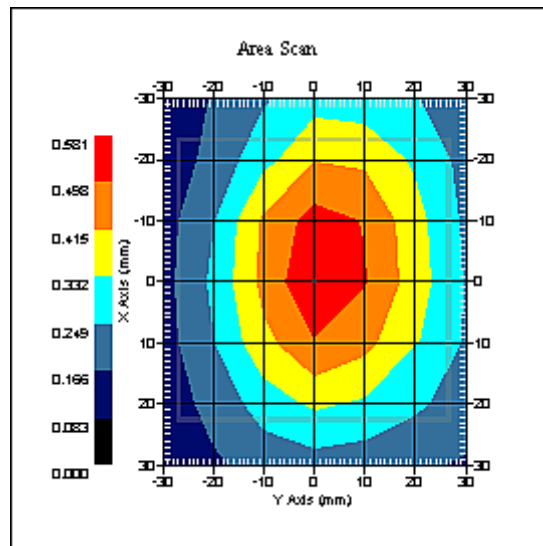
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

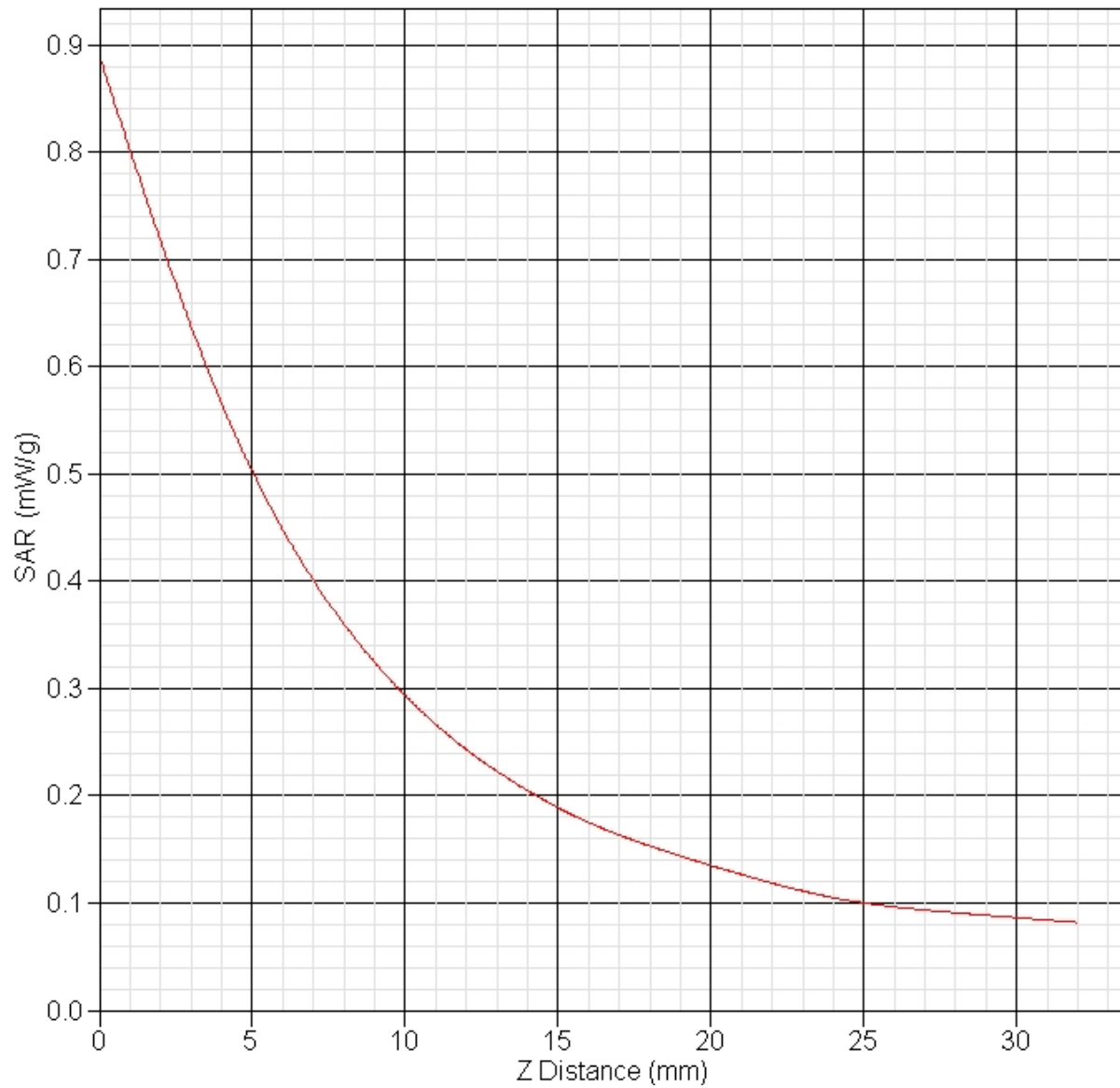
DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.539 W/kg
 10 gram SAR value : 0.324 W/kg
 Area Scan Peak SAR : 0.579 W/kg
 Zoom Scan Peak SAR : 0.890 W/kg

SAR-Z Axis

at Hotspot x:0.23 y:-0.13



SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 12:20:53 PM
End Time : 21-Apr-2008 12:38:29 PM
Scanning Time : 1056 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.256 W/kg
Power Drift-Finish: 0.245 W/kg
Power Drift (%) : -4.321

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

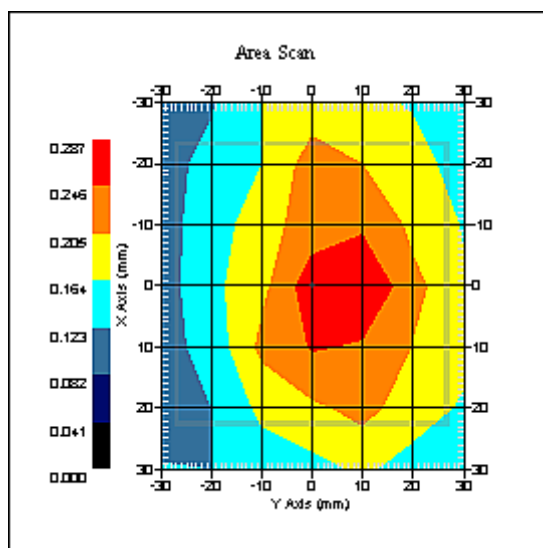
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 10:16:33 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.241 W/kg
 10 gram SAR value : 0.164 W/kg
 Area Scan Peak SAR : 0.286 W/kg
 Zoom Scan Peak SAR : 0.340 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 02:40:19 PM
End Time : 21-Apr-2008 02:56:18 PM
Scanning Time : 959 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.433 W/kg
Power Drift-Finish: 0.430 W/kg
Power Drift (%) : -0.634

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

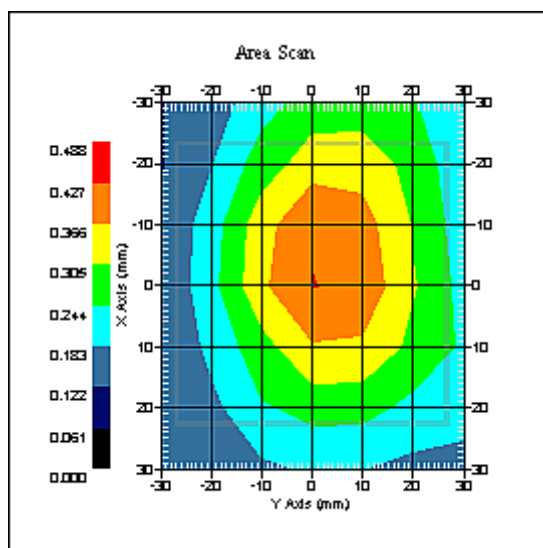
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.406 W/kg
 10 gram SAR value : 0.256 W/kg
 Area Scan Peak SAR : 0.429 W/kg
 Zoom Scan Peak SAR : 0.660 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 02:19:46 PM
End Time : 21-Apr-2008 02:36:02 PM
Scanning Time : 976 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.463 W/kg
Power Drift-Finish: 0.453 W/kg
Power Drift (%) : -2.163

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

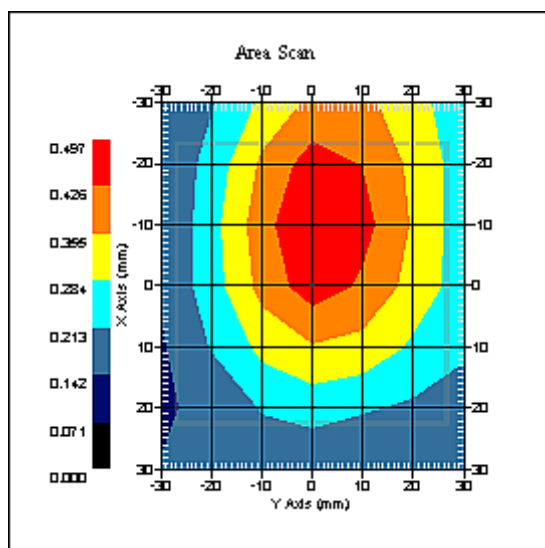
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.463 W/kg
 10 gram SAR value : 0.286 W/kg
 Area Scan Peak SAR : 0.496 W/kg
 Zoom Scan Peak SAR : 0.740 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 03:05:11 PM
End Time : 21-Apr-2008 03:21:27 PM
Scanning Time : 976 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.307 W/kg
Power Drift-Finish: 0.313 W/kg
Power Drift (%) : 2.167

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

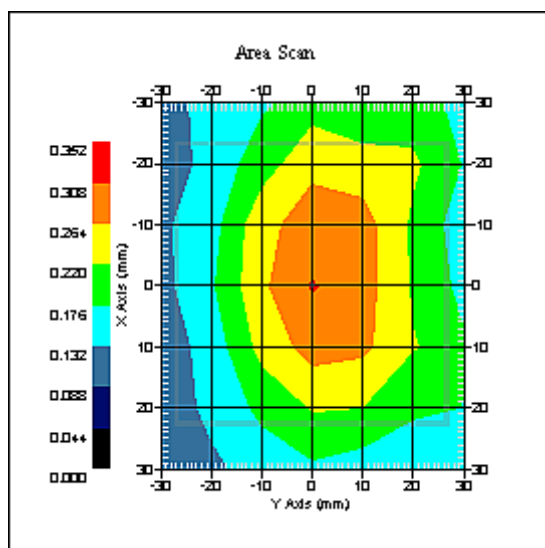
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.293 W/kg
 10 gram SAR value : 0.187 W/kg
 Area Scan Peak SAR : 0.311 W/kg
 Zoom Scan Peak SAR : 0.450 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 12:49:56 PM
End Time : 22-Apr-2008 01:06:23 PM
Scanning Time : 987 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.438 W/kg
Power Drift-Finish: 0.426 W/kg
Power Drift (%) : -2.708

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

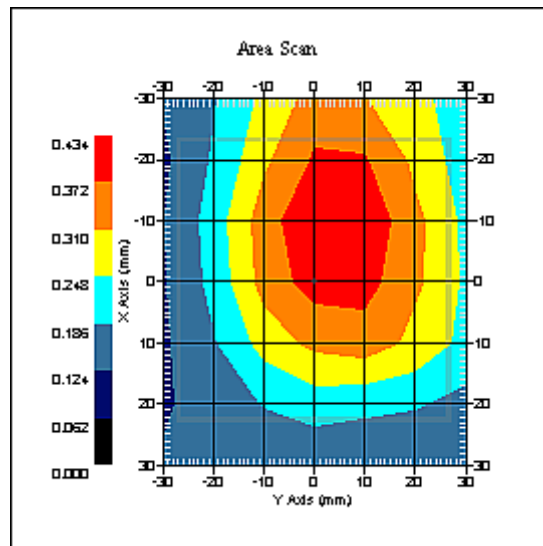
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.415 W/kg
10 gram SAR value : 0.259 W/kg
Area Scan Peak SAR : 0.432 W/kg
Zoom Scan Peak SAR : 0.640 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 10:58:09 AM
End Time : 22-Apr-2008 11:14:17 AM
Scanning Time : 968 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.609 W/kg
Power Drift-Finish: 0.589 W/kg
Power Drift (%) : -3.264

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

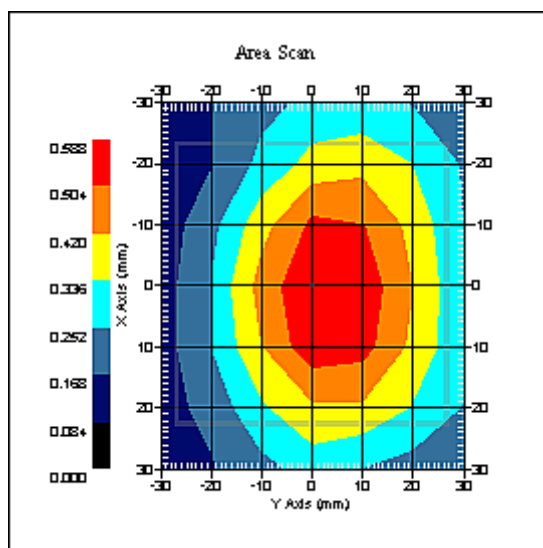
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

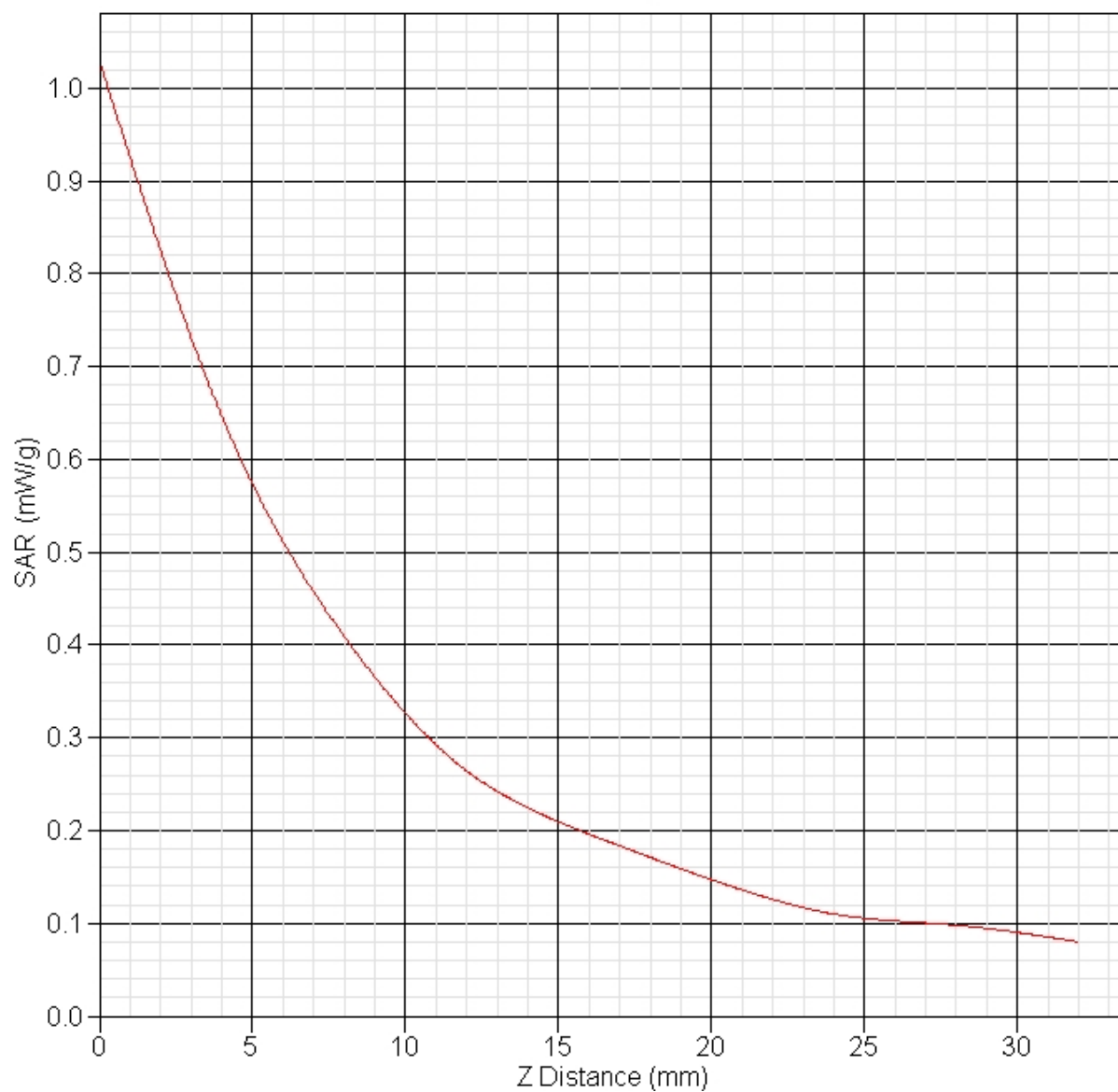
DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.600 W/kg
 10 gram SAR value : 0.350 W/kg
 Area Scan Peak SAR : 0.587 W/kg
 Zoom Scan Peak SAR : 1.030 W/kg

SAR-Z Axis

at Hotspot x:0.19 y:-0.15



SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 01:08:11 PM
End Time : 22-Apr-2008 01:24:42 PM
Scanning Time : 991 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.407 W/kg
Power Drift-Finish: 0.392 W/kg
Power Drift (%) : -3.683

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

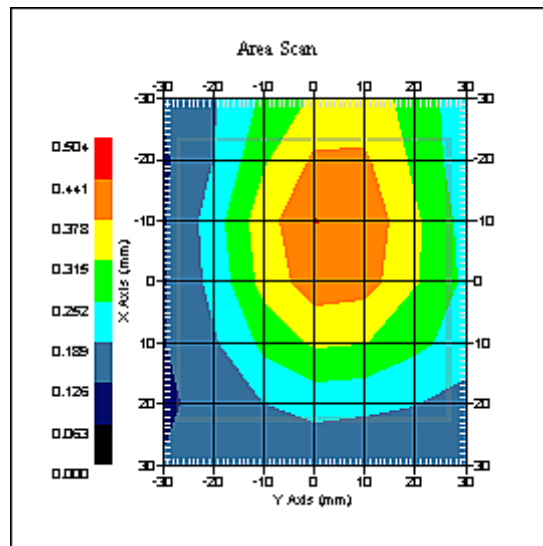
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.421 W/kg
 10 gram SAR value : 0.251 W/kg
 Area Scan Peak SAR : 0.443 W/kg
 Zoom Scan Peak SAR : 0.710 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 11:18:23 AM
End Time : 21-Apr-2008 11:36:01 AM
Scanning Time : 1058 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.299 W/kg
Power Drift-Finish: 0.291 W/kg
Power Drift (%) : -2.695

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

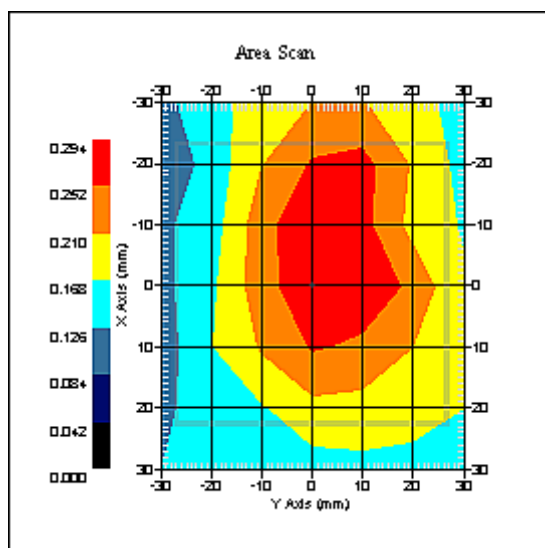
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 10:16:33 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.285 W/kg
 10 gram SAR value : 0.191 W/kg
 Area Scan Peak SAR : 0.292 W/kg
 Zoom Scan Peak SAR : 0.450 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 03:57:32 PM
End Time : 21-Apr-2008 04:13:45 PM
Scanning Time : 973 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.581 W/kg
Power Drift-Finish: 0.577 W/kg
Power Drift (%) : -0.984

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

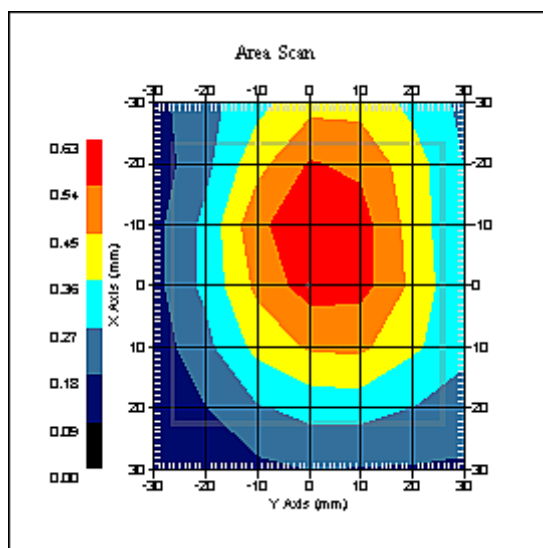
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Low



1 gram SAR value : 0.577 W/kg
 10 gram SAR value : 0.344 W/kg
 Area Scan Peak SAR : 0.627 W/kg
 Zoom Scan Peak SAR : 0.960 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 04:17:03 PM
End Time : 21-Apr-2008 04:33:19 PM
Scanning Time : 976 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.541 W/kg
Power Drift-Finish: 0.522 W/kg
Power Drift (%) : -3.527

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

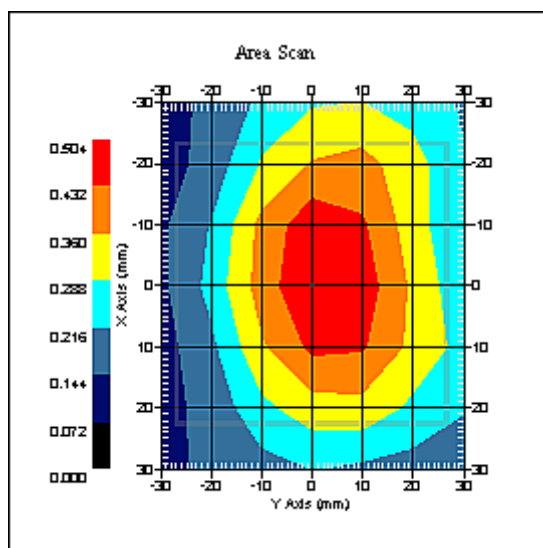
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.505 W/kg
 10 gram SAR value : 0.302 W/kg
 Area Scan Peak SAR : 0.502 W/kg
 Zoom Scan Peak SAR : 0.860 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 21-Apr-2008
Starting Time : 21-Apr-2008 04:40:24 PM
End Time : 21-Apr-2008 04:56:41 PM
Scanning Time : 977 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.291 W/kg
Power Drift-Finish: 0.284 W/kg
Power Drift (%) : -2.091

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 21-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.36 F/m
Sigma : 2.16 S/m
Density : 1000.00 kg/cu. m

Probe Data

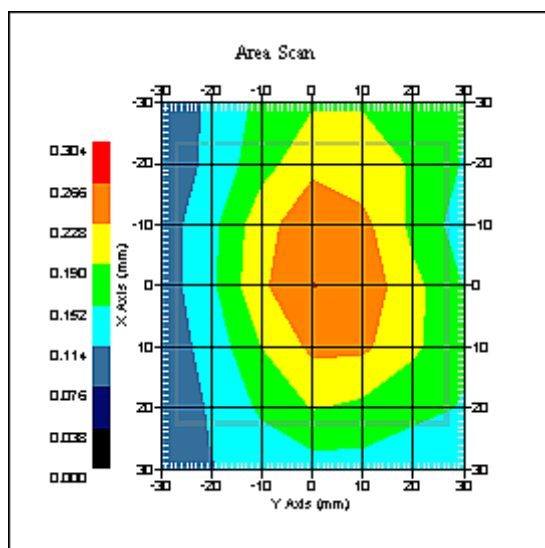
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 21-Apr-2008
 Set-up Time : 1:59:42 PM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.275 W/kg
 10 gram SAR value : 0.180 W/kg
 Area Scan Peak SAR : 0.267 W/kg
 Zoom Scan Peak SAR : 0.440 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 10:35:11 AM
End Time : 22-Apr-2008 10:51:37 AM
Scanning Time : 986 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.595 W/kg
Power Drift-Finish: 0.574 W/kg
Power Drift (%) : -3.687

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

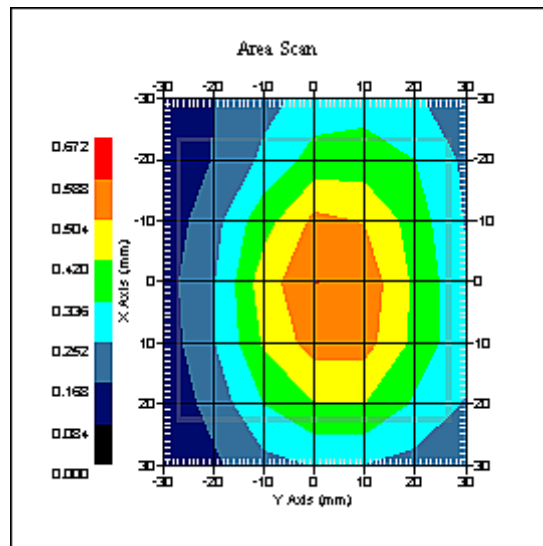
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 22-Apr-2008
Set-up Time : 9:48:58 AM
Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
Separation : 0
Channel : Low



1 gram SAR value : 0.552 W/kg
10 gram SAR value : 0.318 W/kg
Area Scan Peak SAR : 0.591 W/kg
Zoom Scan Peak SAR : 0.940 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 01:27:48 PM
End Time : 22-Apr-2008 01:44:03 PM
Scanning Time : 975 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.762 W/kg
Power Drift-Finish: 0.761 W/kg
Power Drift (%) : -0.133

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

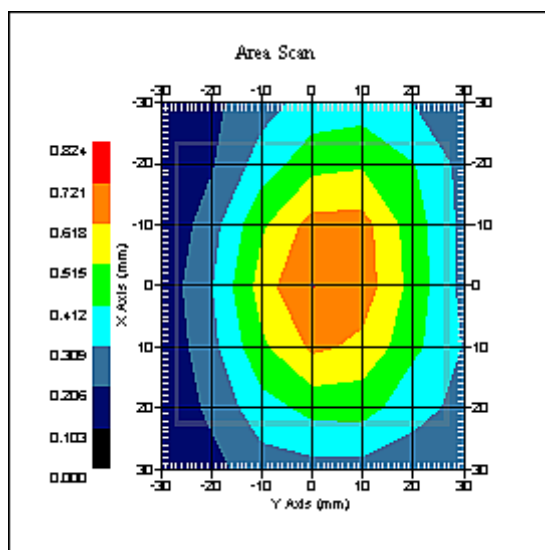
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Touch
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.714 W/kg
 10 gram SAR value : 0.428 W/kg
 Area Scan Peak SAR : 0.723 W/kg
 Zoom Scan Peak SAR : 1.191 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 22-Apr-2008
Starting Time : 22-Apr-2008 02:17:08 PM
End Time : 22-Apr-2008 02:33:19 PM
Scanning Time : 971 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 54 mm
Depth : 20 mm
Antenna Type : Internal
Orientation : Touch
Power Drift-Start : 0.786 W/kg
Power Drift-Finish: 0.759 W/kg
Power Drift (%) : -3.437

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 22-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.48 F/m
Sigma : 2.13 S/m
Density : 1000.00 kg/cu. m

Probe Data

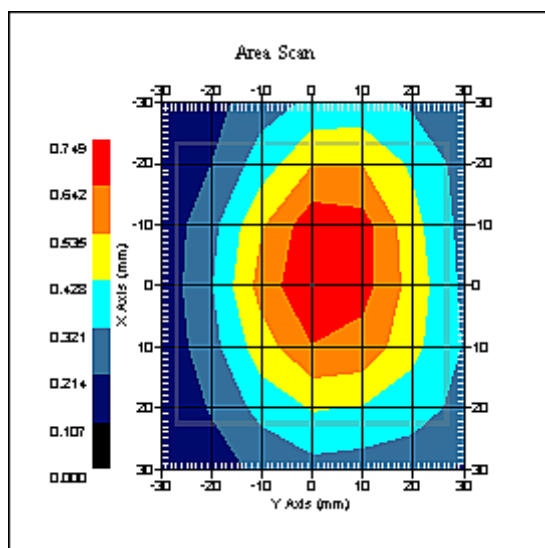
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 22-Apr-2008
 Set-up Time : 9:48:58 AM
 Area Scan : 7x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

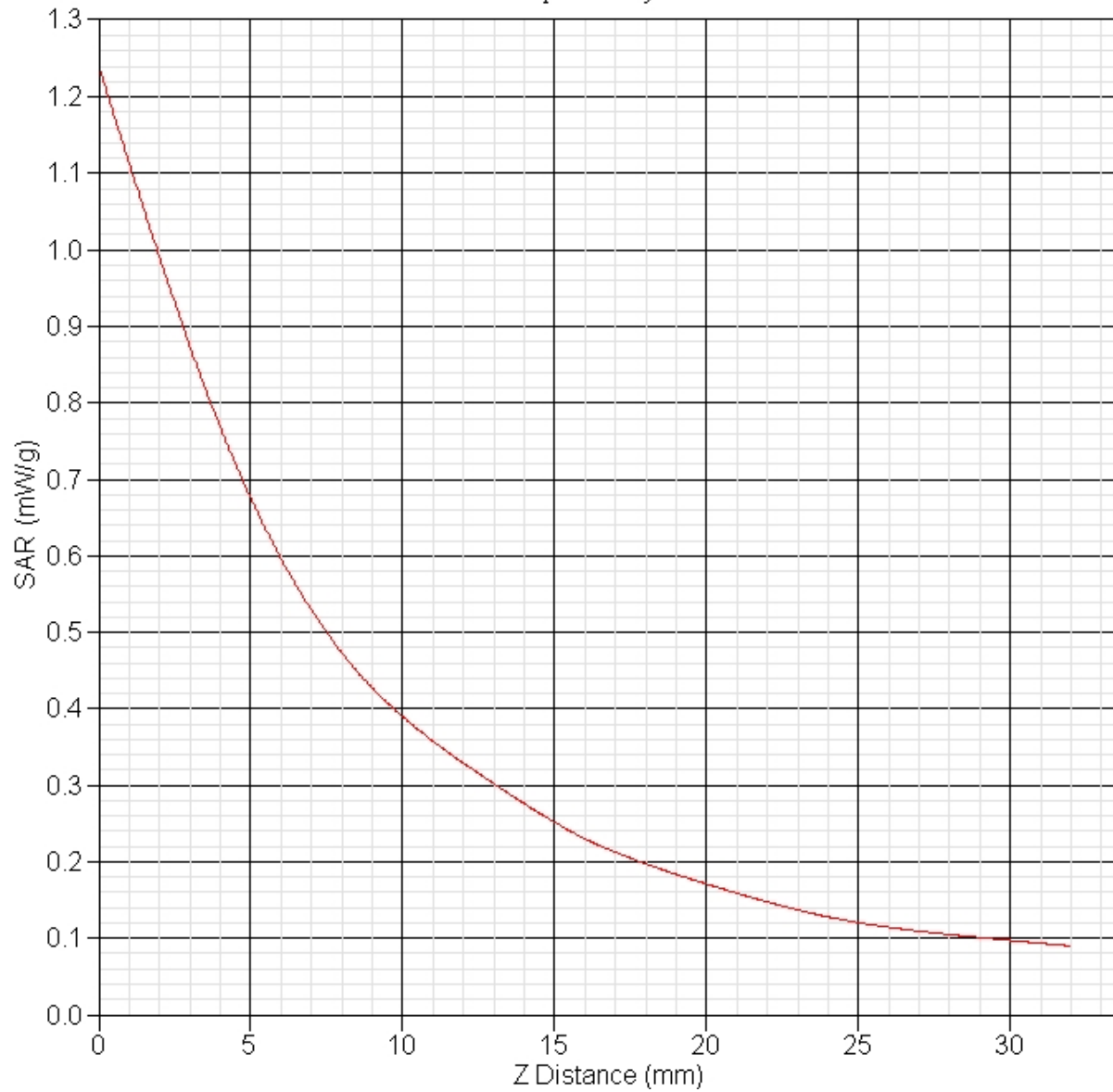
DUT Position : Touch
 Separation : 0
 Channel : High



1 gram SAR value : 0.724 W/kg
 10 gram SAR value : 0.427 W/kg
 Area Scan Peak SAR : 0.749 W/kg
 Zoom Scan Peak SAR : 1.241 W/kg

SAR-Z Axis

at Hotspot x:0.24 y:-0.15



SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 02:30:28 PM
End Time : 25-Apr-2008 02:44:23 PM
Scanning Time : 835 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.353 W/kg
Power Drift-Finish: 0.341 W/kg
Power Drift (%) : -3.366

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

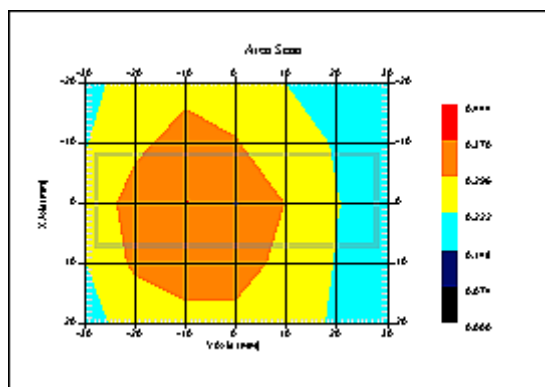
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 9:16:03 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.343 W/kg
 10 gram SAR value : 0.216 W/kg
 Area Scan Peak SAR : 0.371 W/kg
 Zoom Scan Peak SAR : 0.530 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 07:50:14 AM
End Time : 24-Apr-2008 08:04:59 AM
Scanning Time : 885 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.468 W/kg
Power Drift-Finish: 0.458 W/kg
Power Drift (%) : -2.055

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

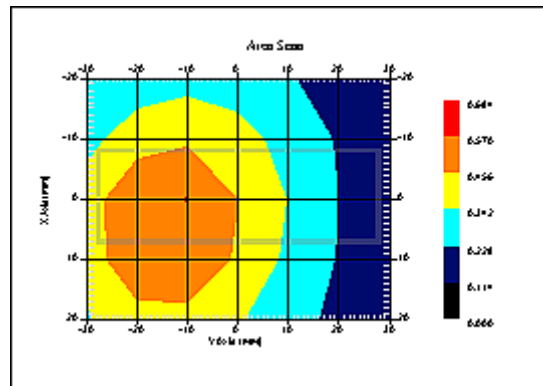
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 7:06:37 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Low



1 gram SAR value : 0.535 W/kg
 10 gram SAR value : 0.314 W/kg
 Area Scan Peak SAR : 0.572 W/kg
 Zoom Scan Peak SAR : 0.890 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 08:28:38 AM
End Time : 24-Apr-2008 08:43:21 AM
Scanning Time : 883 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.509 W/kg
Power Drift-Finish: 0.500 W/kg
Power Drift (%) : -1.692

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

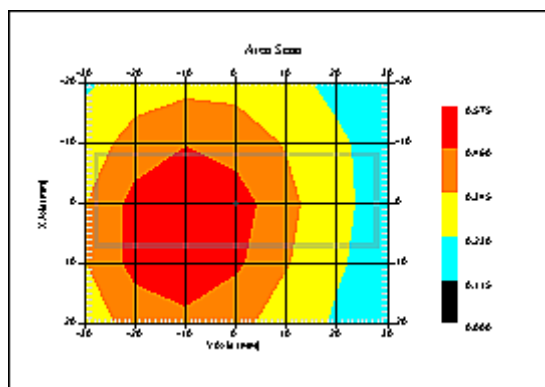
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 7:06:37 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.554 W/kg
 10 gram SAR value : 0.323 W/kg
 Area Scan Peak SAR : 0.574 W/kg
 Zoom Scan Peak SAR : 0.950 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 11:10:53 AM
End Time : 24-Apr-2008 11:25:37 AM
Scanning Time : 884 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.490 W/kg
Power Drift-Finish: 0.474 W/kg
Power Drift (%) : -3.193

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

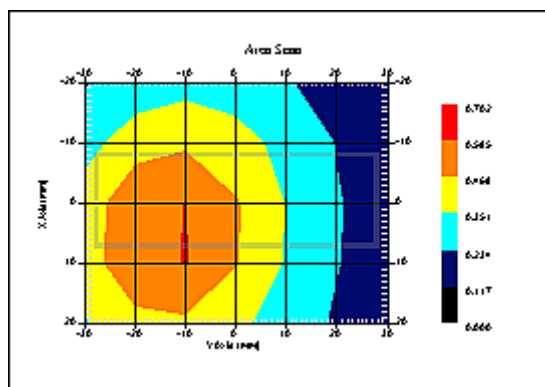
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High



1 gram SAR value : 0.552 W/kg
 10 gram SAR value : 0.330 W/kg
 Area Scan Peak SAR : 0.587 W/kg
 Zoom Scan Peak SAR : 0.910 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 03:54:46 PM
End Time : 24-Apr-2008 04:09:30 PM
Scanning Time : 884 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.505 W/kg
Power Drift-Finish: 0.511 W/kg
Power Drift (%) : 1.260

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

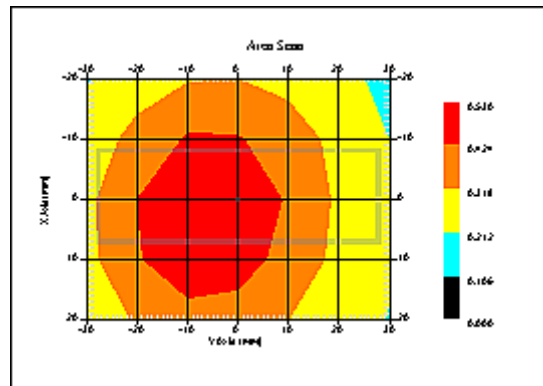
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Low



1 gram SAR value : 0.504 W/kg
 10 gram SAR value : 0.315 W/kg
 Area Scan Peak SAR : 0.529 W/kg
 Zoom Scan Peak SAR : 0.810 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 03:23:01 PM
End Time : 24-Apr-2008 03:37:55 PM
Scanning Time : 894 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.512 W/kg
Power Drift-Finish: 0.515 W/kg
Power Drift (%) : 0.617

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

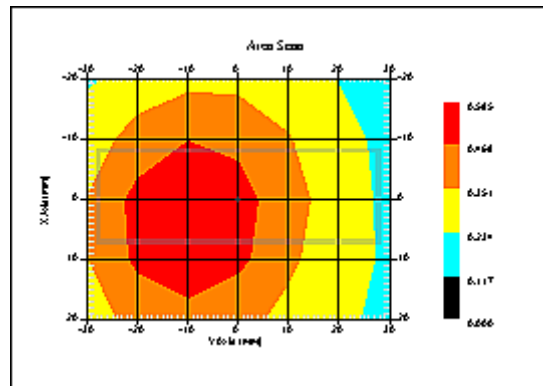
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

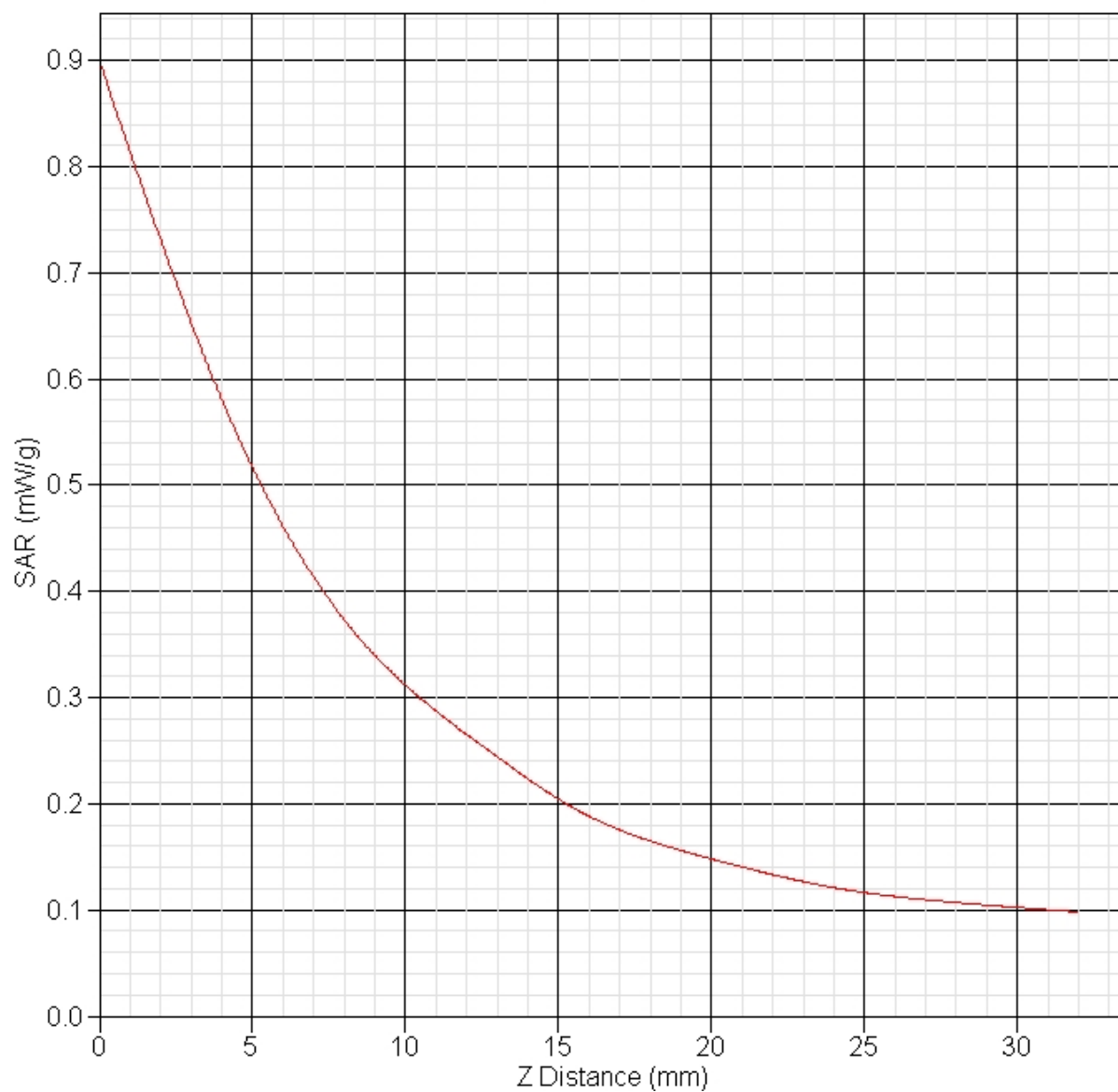
Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.549 W/kg
 10 gram SAR value : 0.332 W/kg
 Area Scan Peak SAR : 0.584 W/kg
 Zoom Scan Peak SAR : 0.900 W/kg

SAR-Z Axis
at Hotspot x:0.26 y:-10.15



SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 03:39:09 PM
End Time : 24-Apr-2008 03:54:01 PM
Scanning Time : 892 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.507 W/kg
Power Drift-Finish: 0.510 W/kg
Power Drift (%) : 0.623

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

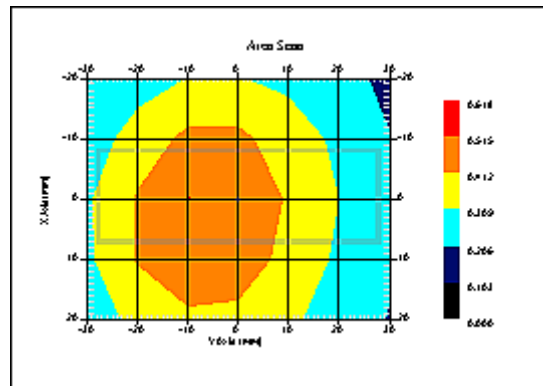
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High



1 gram SAR value : 0.493 W/kg
 10 gram SAR value : 0.302 W/kg
 Area Scan Peak SAR : 0.516 W/kg
 Zoom Scan Peak SAR : 0.800 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 03:03:11 PM
End Time : 25-Apr-2008 03:17:07 PM
Scanning Time : 836 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.327 W/kg
Power Drift-Finish: 0.312 W/kg
Power Drift (%) : -4.614

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

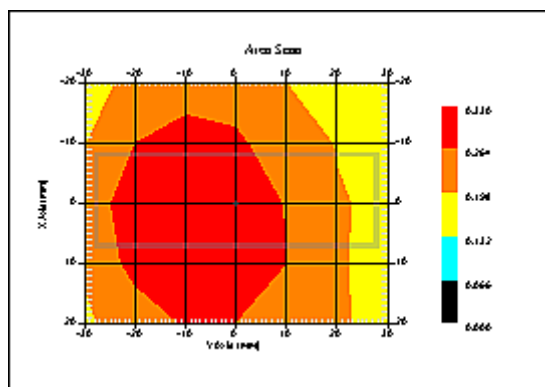
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 9:16:03 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.325 W/kg
 10 gram SAR value : 0.211 W/kg
 Area Scan Peak SAR : 0.328 W/kg
 Zoom Scan Peak SAR : 0.500 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 11:42:44 AM
End Time : 24-Apr-2008 11:57:36 AM
Scanning Time : 892 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.426 W/kg
Power Drift-Finish: 0.429 W/kg
Power Drift (%) : 0.706

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

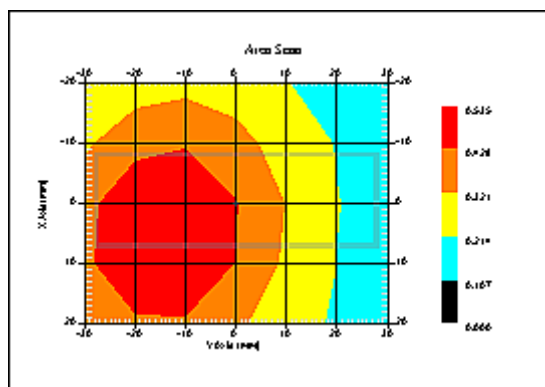
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Low



1 gram SAR value : 0.524 W/kg
 10 gram SAR value : 0.312 W/kg
 Area Scan Peak SAR : 0.534 W/kg
 Zoom Scan Peak SAR : 0.870 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 11:58:48 AM
End Time : 24-Apr-2008 12:13:36 PM
Scanning Time : 888 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.632 W/kg
Power Drift-Finish: 0.638 W/kg
Power Drift (%) : 1.094

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

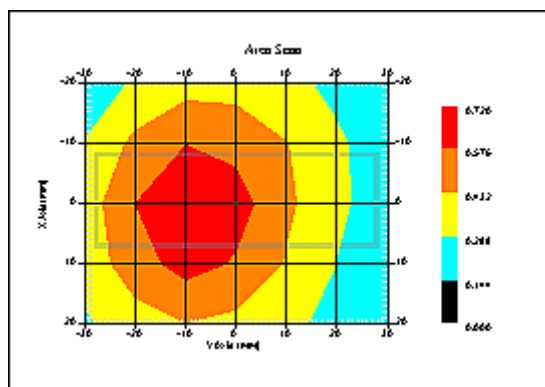
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

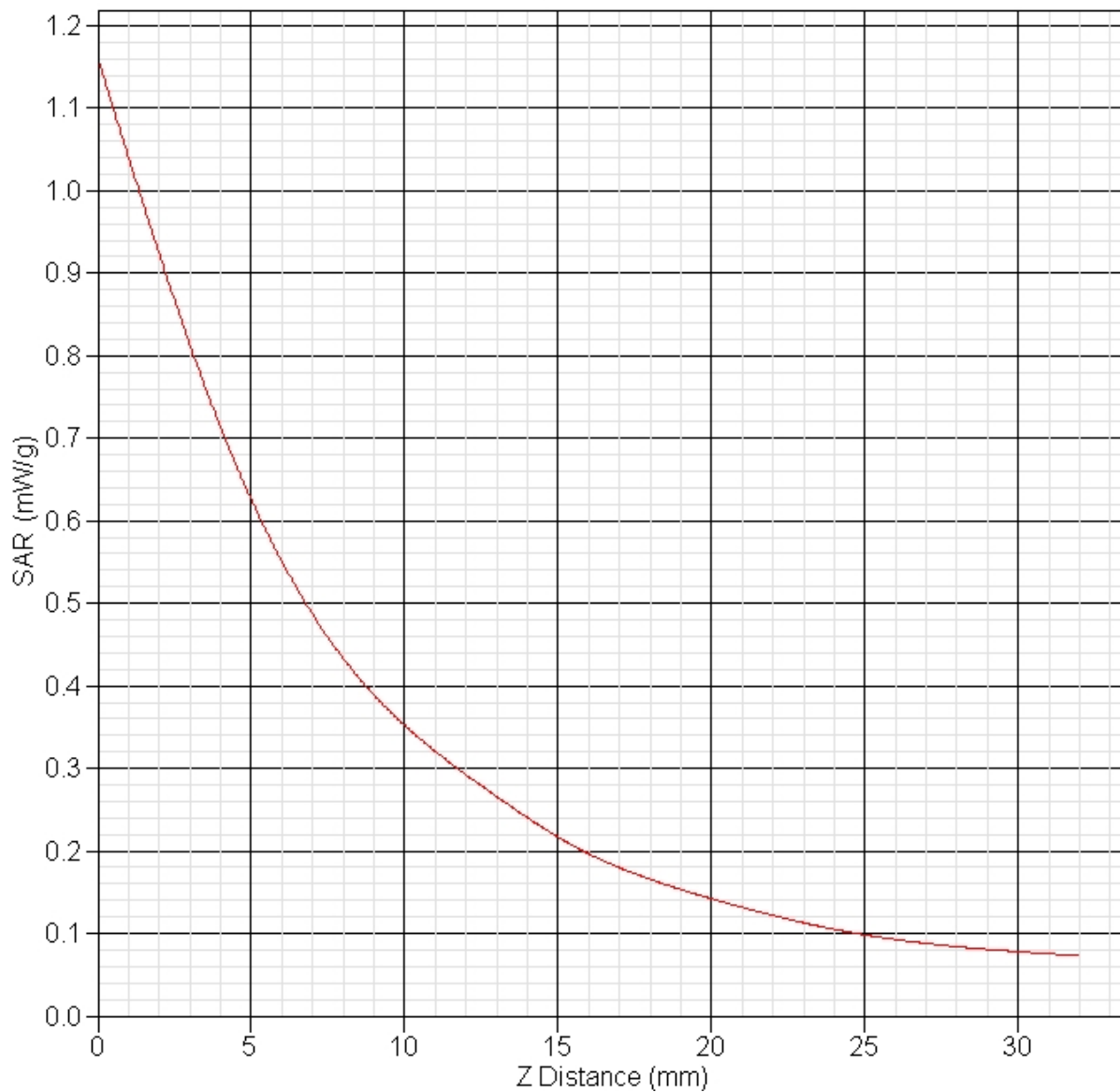
DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.672 W/kg
 10 gram SAR value : 0.386 W/kg
 Area Scan Peak SAR : 0.720 W/kg
 Zoom Scan Peak SAR : 1.161 W/kg

SAR-Z Axis

at Hotspot x:0.25 y:-10.12



SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 11:26:49 AM
End Time : 24-Apr-2008 11:41:35 AM
Scanning Time : 886 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.468 W/kg
Power Drift-Finish: 0.470 W/kg
Power Drift (%) : 0.367

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

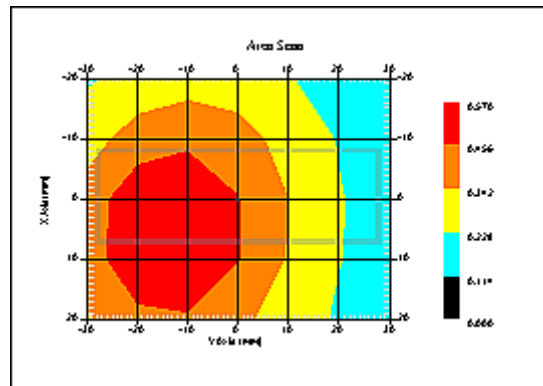
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High



1 gram SAR value : 0.541 W/kg
 10 gram SAR value : 0.321 W/kg
 Area Scan Peak SAR : 0.570 W/kg
 Zoom Scan Peak SAR : 0.900 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 08:17:28 AM
End Time : 25-Apr-2008 08:32:18 AM
Scanning Time : 890 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.461 W/kg
Power Drift-Finish: 0.459 W/kg
Power Drift (%) : -0.375

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

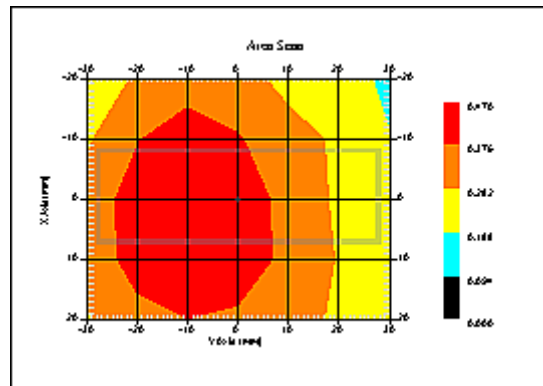
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Low



1 gram SAR value : 0.441 W/kg
 10 gram SAR value : 0.267 W/kg
 Area Scan Peak SAR : 0.468 W/kg
 Zoom Scan Peak SAR : 0.730 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 08:49:42 AM
End Time : 25-Apr-2008 09:04:26 AM
Scanning Time : 884 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.598 W/kg
Power Drift-Finish: 0.580 W/kg
Power Drift (%) : -3.097

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

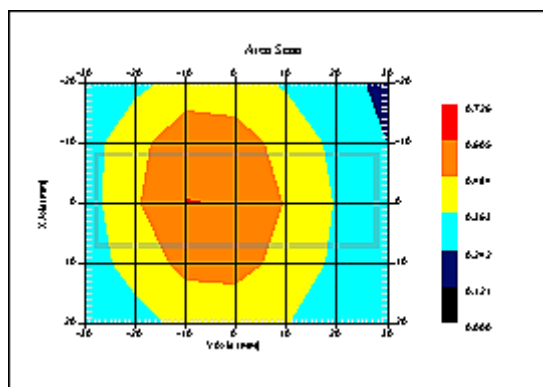
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.598 W/kg
 10 gram SAR value : 0.351 W/kg
 Area Scan Peak SAR : 0.607 W/kg
 Zoom Scan Peak SAR : 1.000 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 08:33:39 AM
End Time : 25-Apr-2008 08:48:26 AM
Scanning Time : 887 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.518 W/kg
Power Drift-Finish: 0.500 W/kg
Power Drift (%) : -3.394

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

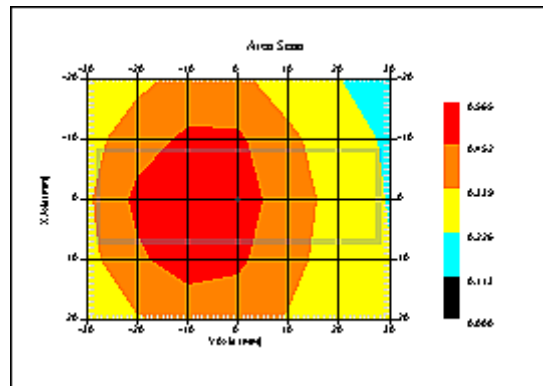
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High



1 gram SAR value : 0.521 W/kg
 10 gram SAR value : 0.318 W/kg
 Area Scan Peak SAR : 0.564 W/kg
 Zoom Scan Peak SAR : 0.850 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 02:46:44 PM
End Time : 25-Apr-2008 03:00:38 PM
Scanning Time : 834 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.324 W/kg
Power Drift-Finish: 0.326 W/kg
Power Drift (%) : 0.645

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

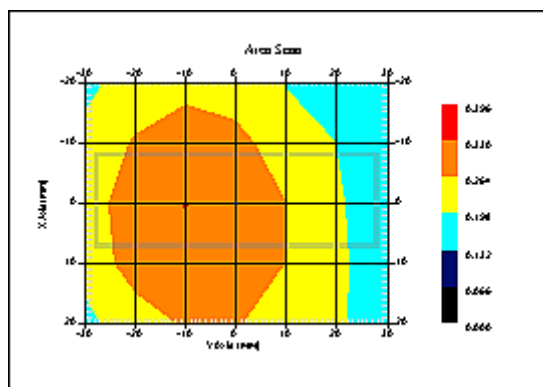
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 9:16:03 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.330 W/kg
 10 gram SAR value : 0.206 W/kg
 Area Scan Peak SAR : 0.331 W/kg
 Zoom Scan Peak SAR : 0.540 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 02:30:21 PM
End Time : 24-Apr-2008 02:45:06 PM
Scanning Time : 885 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.539 W/kg
Power Drift-Finish: 0.553 W/kg
Power Drift (%) : 2.378

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

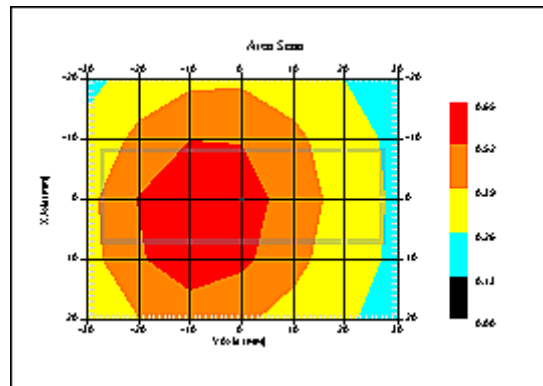
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 24-Apr-2008
Set-up Time : 8:46:32 AM
Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

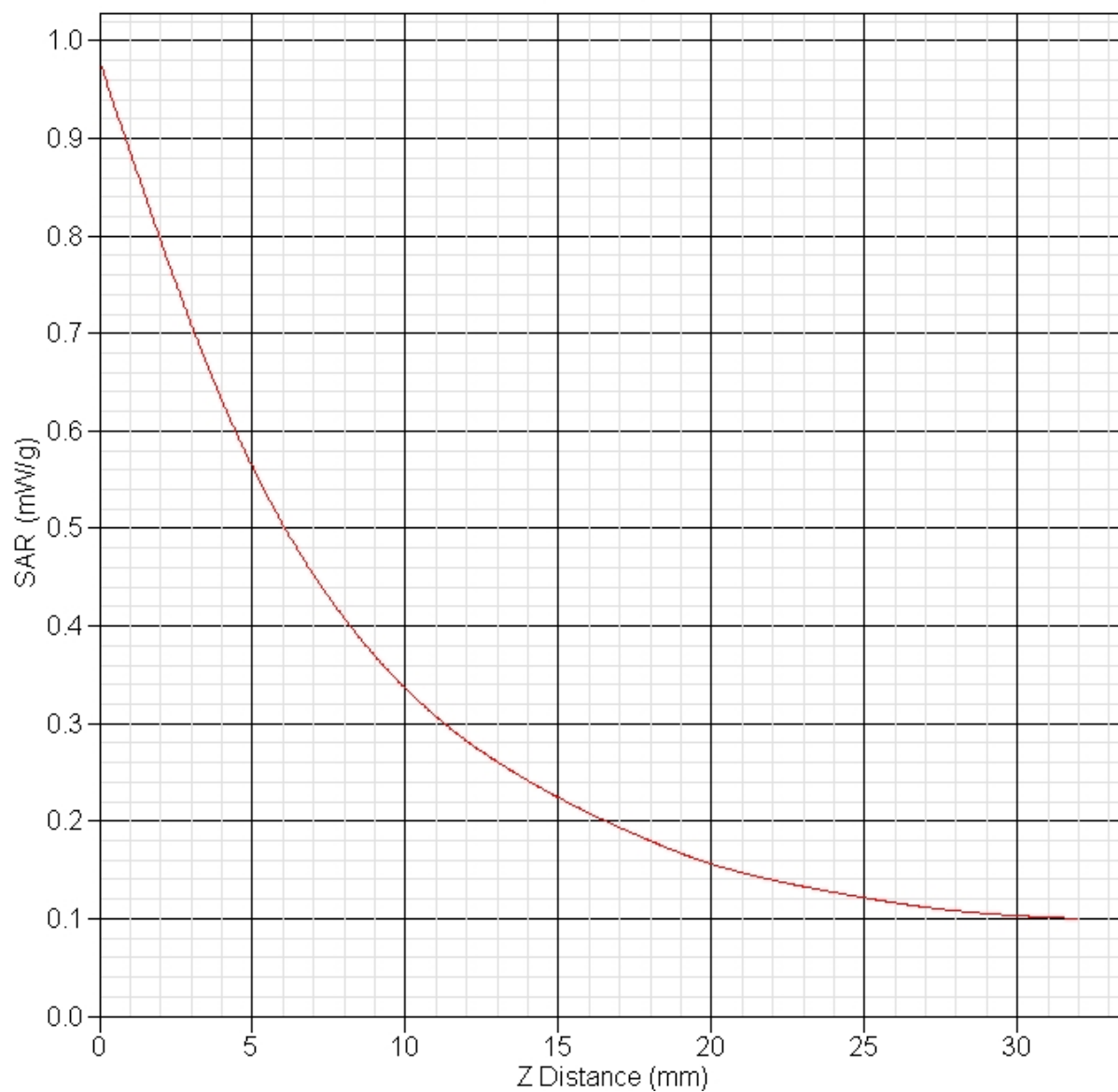
Other Data

DUT Position : Rotated Left 90°
Separation : 0
Channel : Low



1 gram SAR value : 0.604 W/kg
10 gram SAR value : 0.367 W/kg
Area Scan Peak SAR : 0.649 W/kg
Zoom Scan Peak SAR : 0.980 W/kg

SAR-Z Axis
at Hotspot x:0.34 y:-10.19



SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 02:50:38 PM
End Time : 24-Apr-2008 03:05:22 PM
Scanning Time : 884 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.513 W/kg
Power Drift-Finish: 0.520 W/kg
Power Drift (%) : 1.316

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

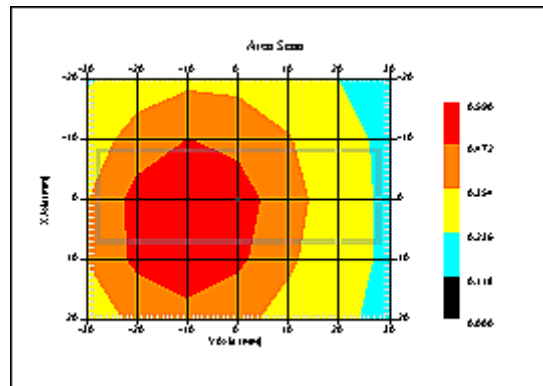
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Mid



1 gram SAR value : 0.560 W/kg
 10 gram SAR value : 0.342 W/kg
 Area Scan Peak SAR : 0.590 W/kg
 Zoom Scan Peak SAR : 0.920 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 24-Apr-2008
Starting Time : 24-Apr-2008 03:05:53 PM
End Time : 24-Apr-2008 03:20:36 PM
Scanning Time : 883 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.510 W/kg
Power Drift-Finish: 0.521 W/kg
Power Drift (%) : 2.254

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 24-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.55 F/m
Sigma : 2.18 S/m
Density : 1000.00 kg/cu. m

Probe Data

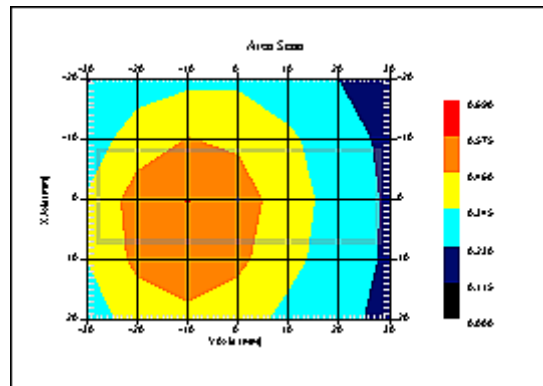
Name : Probe 217 - RFEL
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 24-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High



1 gram SAR value : 0.555 W/kg
 10 gram SAR value : 0.340 W/kg
 Area Scan Peak SAR : 0.577 W/kg
 Zoom Scan Peak SAR : 0.920 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 07:45:51 AM
End Time : 25-Apr-2008 08:00:39 AM
Scanning Time : 888 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.506 W/kg
Power Drift-Finish: 0.492 W/kg
Power Drift (%) : -2.769

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

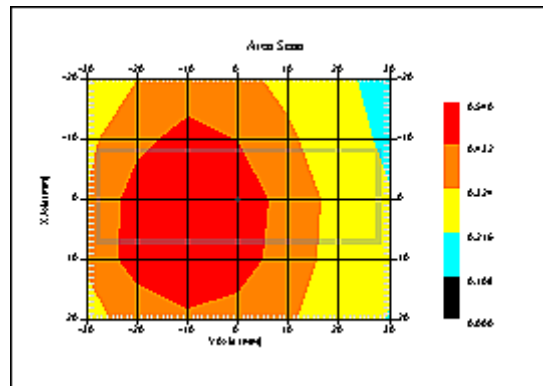
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : Low



1 gram SAR value : 0.531 W/kg
 10 gram SAR value : 0.323 W/kg
 Area Scan Peak SAR : 0.538 W/kg
 Zoom Scan Peak SAR : 0.840 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 08:02:00 AM
End Time : 25-Apr-2008 08:16:50 AM
Scanning Time : 890 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.451 W/kg
Power Drift-Finish: 0.432 W/kg
Power Drift (%) : -4.284

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

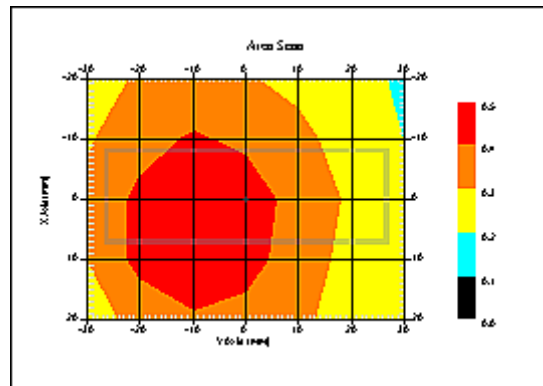
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Scan Type : Complete
Tissue Temp. : 20.00 °C
Ambient Temp. : 23.00 °C
Set-up Date : 25-Apr-2008
Set-up Time : 8:46:32 AM
Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

Other Data

DUT Position : Rotated Left 90°
Separation : 0
Channel : Mid



1 gram SAR value : 0.459 W/kg
10 gram SAR value : 0.275 W/kg
Area Scan Peak SAR : 0.498 W/kg
Zoom Scan Peak SAR : 0.780 W/kg

SAR Test Report

By Operator : Jay
Measurement Date : 25-Apr-2008
Starting Time : 25-Apr-2008 07:28:54 AM
End Time : 25-Apr-2008 07:44:02 AM
Scanning Time : 908 secs

Product Data

Device Name : Navini Networks - Toshiba
Serial No. : 1208-FFAE1CA6 - End
Type : Other
Model : Prototype
Frequency : 2500.00 MHz
Max. Transmit Pwr : 0.31 W
Drift Time : 0 min(s)
Length : 56 mm
Width : 20 mm
Depth : 54 mm
Antenna Type : Internal
Orientation : Rotated Left 90°
Power Drift-Start : 0.523 W/kg
Power Drift-Finish: 0.506 W/kg
Power Drift (%) : -3.252

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Serial No. : System Default
Location : Center
Description : Uni-Phantom

Tissue Data

Type : BODY
Serial No. : 2590
Frequency : 2590.00 MHz
Last Calib. Date : 25-Apr-2008
Temperature : 20.00 °C
Ambient Temp. : 23.00 °C
Humidity : 45.00 RH%
Epsilon : 52.32 F/m
Sigma : 2.10 S/m
Density : 1000.00 kg/cu. m

Probe Data

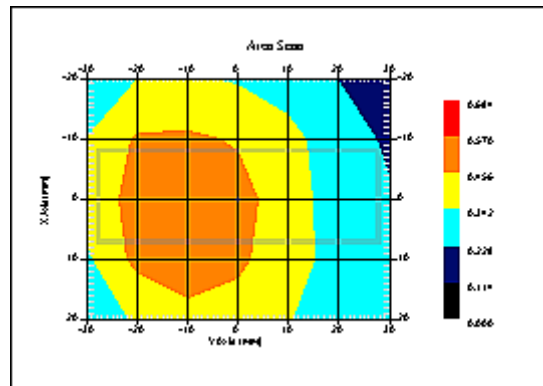
Name : RFEL 217
Model : E020
Type : E-Field Triangle
Serial No. : 217
Last Calib. Date : 03-Dec-2007
Frequency : 2600.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.6
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V/m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
 Scan Type : Complete
 Tissue Temp. : 20.00 °C
 Ambient Temp. : 23.00 °C
 Set-up Date : 25-Apr-2008
 Set-up Time : 8:46:32 AM
 Area Scan : 5x7x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

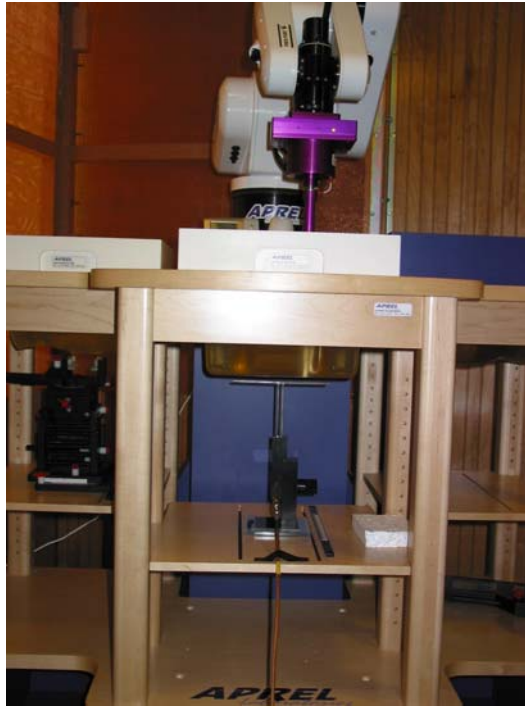
Other Data

DUT Position : Rotated Left 90°
 Separation : 0
 Channel : High

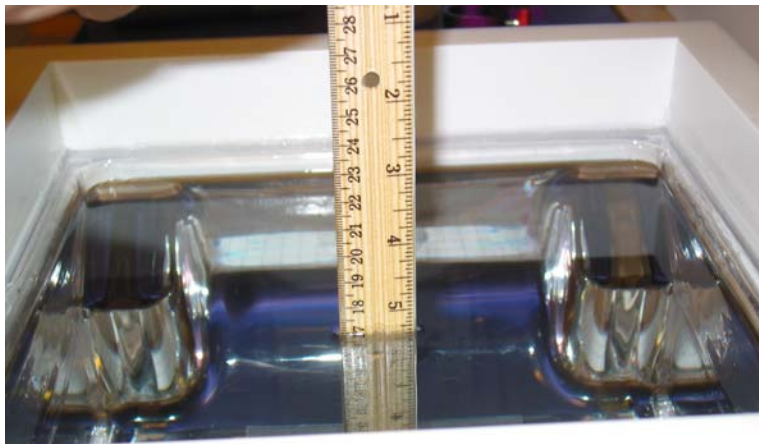


1 gram SAR value : 0.569 W/kg
 10 gram SAR value : 0.338 W/kg
 Area Scan Peak SAR : 0.571 W/kg
 Zoom Scan Peak SAR : 0.910 W/kg

Appendix C – SAR Test Setup Photos



System Body Configuration



Body Tissue Depth



Dell Internal Antenna Touch Position



Dell External Antenna Touch Position



HP Internal Antenna Touch Position



HP External Antenna Touch Position



Toshiba Internal Antenna Touch Position



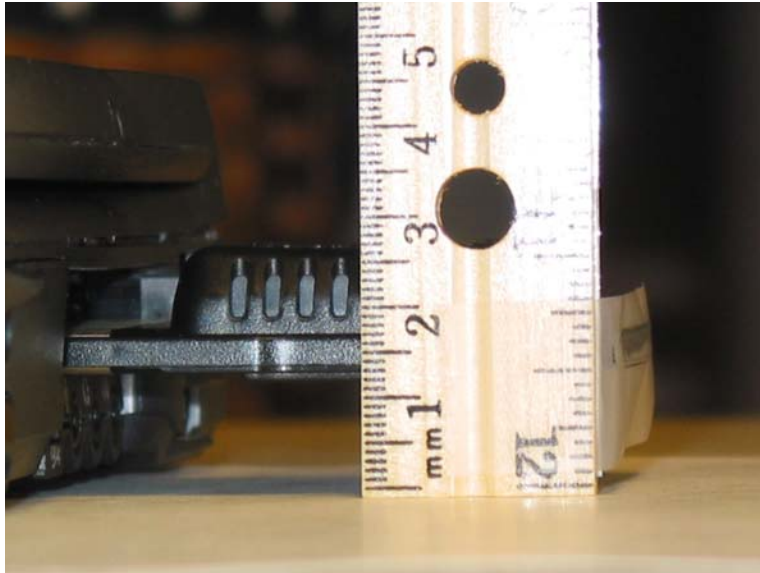
Toshiba External Antenna Touch Position



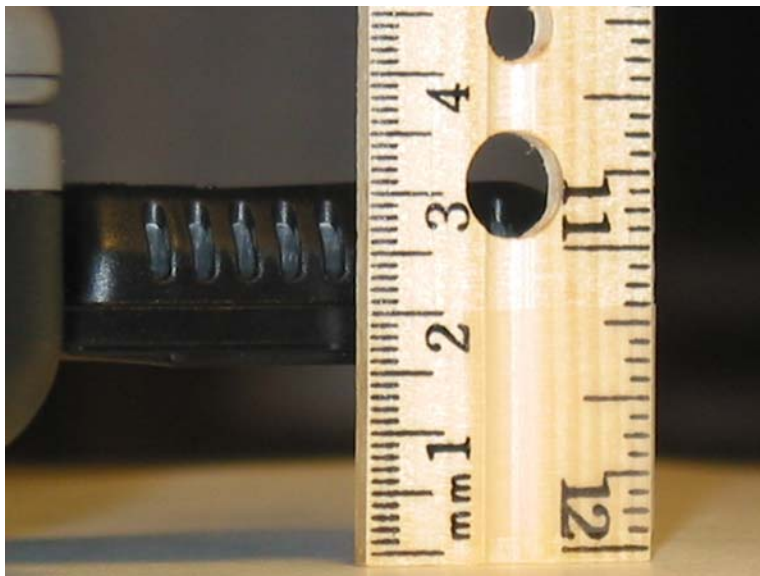
Toshiba Internal Antenna 15 mm Position



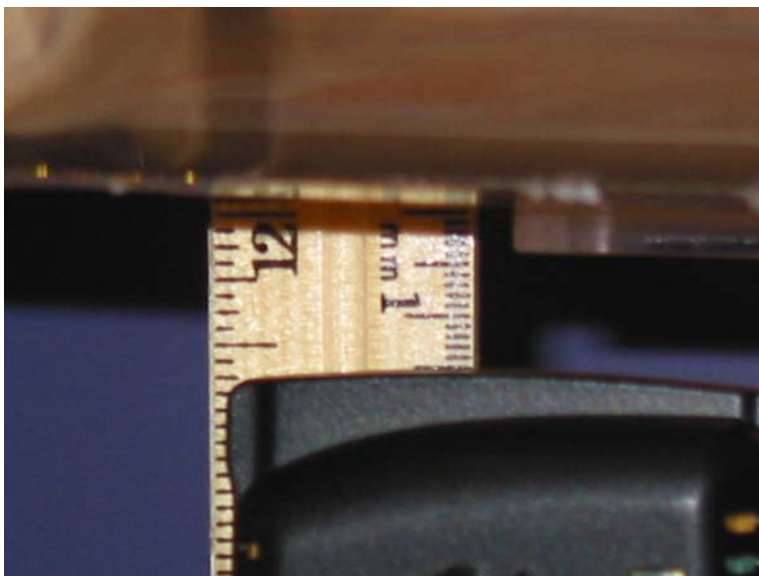
Toshiba External Antenna 15mm Postion



Dell Measurement from Lap



HP Measurement from Lap



Toshiba Measurement for 15 mm Test



Back of Antenna



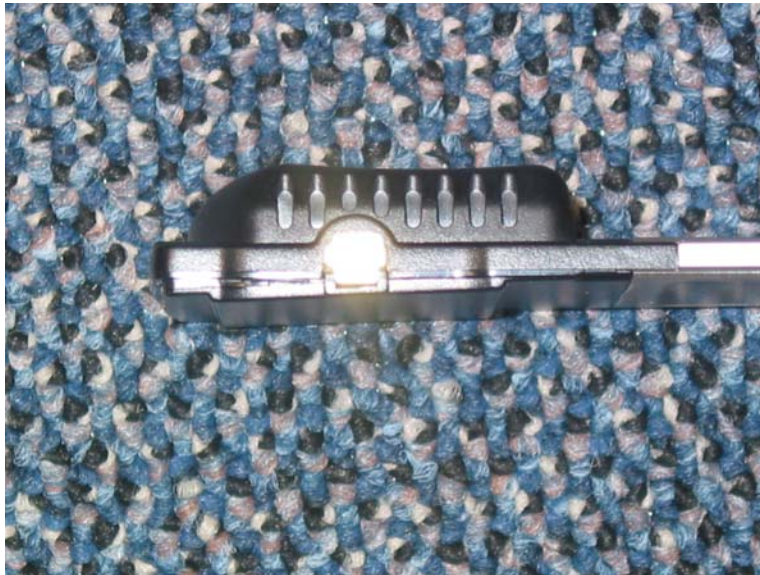
Front of Antenna



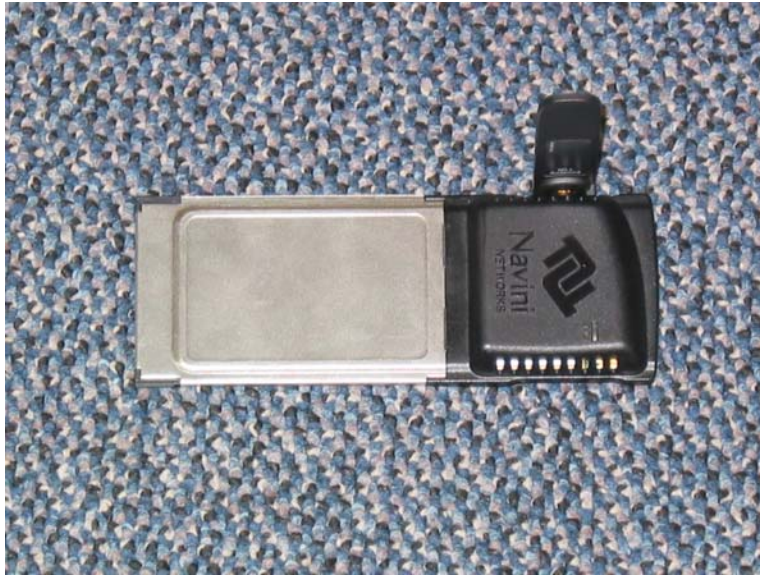
Front of Unit



Back of Unit



Side of Unit



Front of Unit w/External Antenna



Side of Unit w/External Antenna