

SAR Test Report

Applicant Name: Lenbrook Industries Limited

Applicant Address: 633 Gratnite Court, Pikering Ontario, Toronto L1W3K1, Canada

The following samples were submitted and identified on behalf of the client as:

Sample Description	Wireless USB DAC2
Model Number	Wireless USB DAC2 Transmitter
Trade Mark:	NAD
FCC ID	SVC-USBDAC2TX
Final Software Version Tested	N/A
Final Hardware Version Tested	N/A
Date Initial Sample Received	March 26, 2013
Testing Start Date	April 17, 2013 to April 30, 2013
Testing End Date	May 24, 2013

According to:

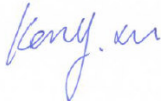
FCC 47CFR § 2.1093, IEEE Std C95.1-1991, IEEE Std C95.3-2005

OET Bulletin 65 Supplement C

Comments/ Conclusion:

The configuration tested complied to the certification requirements specified in this report.

Signed for on behalf of SGS

	
Prepared	approved

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Change History

Version	Change Contents	Author	Date
V1.0	First edition	Zenger zhang	May, 24. 2013

1. Report Overview

This report details the results of testing carried out on the samples listed in section 17, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this test report is used in any configuration other than that detailed in the test report, the manufacturer must ensure the new configuration complies with all relevant standards and certification requirements. Any mention of SGS Shanghai EMC lab or testing done by SGS Shanghai EMC lab made in connection with the distribution or use of the tested product must be approved in writing by SGS Shanghai EMC lab.

2. Test Lab Declaration or Comments

None

3. Applicant Declaration or Comments

None

4. Full Test Report

A full test report contains, within the results section, all the applicable test cases from the certification requirements of the permanent reference documents of the listed certification bodies.

5. Partial Test Report

A partial test report contains within the results section a sub-set of all the applicable test cases from the certification requirements of the permanent reference documents of the listed certification bodies.

6. Measurement Uncertainty

Measurements and results are all in compliance with the standards listed in section 12 of this report. All measurements and results are recorded and maintained at the laboratory performing the tests and measurement uncertainties are taken into account when comparing measurements to pass/ fail criteria.

A	b1	c	d	e = f(d,k)	g	i = cxg/e	k
Uncertainty Component	Section	Tol	Prob .	Div.	Ci	1g	Vi
	in P1528	(%)	Dist.		(1g)	ui (%)	(Veff)
Probe calibration	E.2.1	6.3	N	1	1	6.0	∞
Axial isotropy	E.2.2	0.5	R	$\sqrt{3}$	$(1-c_p)^{1/2}$	0.20	∞
hemispherical isotropy	E.2.2	2.6	R	$\sqrt{3}$	$\sqrt{c_p}$	1.06	∞
Boundary effect	E.2.3	0.8	R	$\sqrt{3}$	1	0.46	∞
Linearity	E.2.4	0.6	R	$\sqrt{3}$	1	0.35	∞
System detection limit	E.2.5	0.25	R	$\sqrt{3}$	1	0.15	∞
Readout electronics	E.2.6	0.3	N	1	1	0.3	∞
Response time	E.2.7	0	R	$\sqrt{3}$	1	0	∞
Integration time	E.2.8	2.6	R	$\sqrt{3}$	1	1.5	∞
RF ambient Condition –Noise	E.6.1	3	R	$\sqrt{3}$	1	1.73	∞
RF ambient Condition - reflections	E.6.1	3	R	$\sqrt{3}$	1	1.73	∞
Probe positioning- mechanical tolerance	E.6.2	1.5	R	$\sqrt{3}$	1	0.87	∞
Probe positioning- with respect to phantom	E.6.3	2.9	R	$\sqrt{3}$	1	1.67	∞
Max. SAR evaluation	E.5.2	1	R	$\sqrt{3}$	1	0.58	∞
Test sample positioning	E.4.2	4	N	1	1	3.7	9
Device holder uncertainty	E.4.1	3.6	N	1	1	3.6	∞
Output power variation –SAR drift measurement	6.62	5	R	$\sqrt{3}$	1	2.89	∞
Phantom uncertainty (shape and thickness tolerances)	E.3.1	4	R	$\sqrt{3}$	1	2.31	∞
Liquid conductivity - deviation from target values	E.3.2	5	R	$\sqrt{3}$	0.64	1.85	∞
Liquid conductivity - measurement uncertainty	E.3.2	4	N	1	0.64	2.56	5
Liquid permittivity - deviation from target values	E.3.3	5	R	$\sqrt{3}$	0.6	1.73	∞
Liquid permittivity - measurement uncertainty	E.3.3	4	N	1	0.6	2.40	5
Combined standard uncertainty	RSS					10.43	430

Expanded uncertainty	K=2	20.86
(95% CONFIDENCE INTERVAL)		

7. Testing Environment

Normal Temperature	+20 to +24 °C
Relative Humidity	35 to 60 %

8. Primary Test Laboratory

Name:	SGS-CSTC Standards Technical Services(Shanghai) Co., Ltd
Address:	No.588, West Jindu Road, Songjiang District, Shanghai, China 201612
Telephone:	+86 (0) 21 6191 5664
Fax:	+86 (0) 21 6191 5678
Internet:	http://www.cn.sgs.com
Contact:	Mr. Tony Wu
Email:	Tony.wu@sgs.com

9. Details of Applicant

Applicant Name:	Lenbrook Industries Limited
Address of Address:	633 Granite Court, Pickering Ontario, Toronto L1W 3K1, Canada
Manufacturer:	Lenbrook Industries Limited
Address of Manufacturer:	633 Granite Court, Pickering Ontario, Toronto L1W 3K1, Canada
Factory's Name:	Hansong (Nanjing) Technology Ltd.
Address of Factory:	8 th Kangping Road, Jiangning Economy and Technology Development Zone, Nanjing, 211106, China

10. EUT Description

Product Name:	Wireless USB DAC2
Trade Mark:	NAD
Model Number:	Wireless USB DAC2 Transmitter
Frequency Range:	2.4GHz: 2412 – 2462MHz 5.2GHz: 5180 – 5240MHz 5.8GHz: 5736 – 5814MHz
Device Category:	Portable
RF Exposure Environment	Uncontrolled

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Antenna Type:	Internal
Peak Antenna Gain:	2.0dBi
Max. Output Power: (RMS)	2.4GHz: 18.00dBm 5.2GHz: 14.42dBm 5.8GHz: 12.83dBm

11. Other testing Locations

Name:	Quietek Technology (Suzhou) Co., Ltd.
Address:	No.99 Hongye RD.Suzhou Industrial Park Loufeng Hi-New-Tech Development Area,Suzhou,China
Telephone:	+86-512-6251-5088
Contact:	Elaine Wang
Email:	elainewang@quietek.com.cn

12. Referenced Documents

The Equipment under Test (EUT) has been tested at SGS's (own or subcontracted) laboratories according to

FCC 47CFR § 2.1093, IEEE Std C95.1-2005, IEEE1528-2003, IEEE Std1528a-2005, OET Bulletin 65 Supplement C,

The following table summarizes the specific reference documents such as harmonized standards or test specifications which were used for testing at SGS's (own or subcontracted) laboratories.

Identity	Document Title	Version
FCC 47CFR § 2.1093	Radiofrequency radiation exposure evaluation: portable devices	2001
IEEE Std C95.1-1991	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.	1991
IEEE Std1528-2003	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques	2003
IEEE Std1528a-2005	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques Amendment 1: CAD File for Human Head Model (SAM Phantom)	2005
OET Bulletin 65 Supplement C	Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions	2001
KDB 447498 D01	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies	--

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KDB 248227 D01	SAR Measurement Procedures for 802.11a/b/g Transmitters	--
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Human Exposure	Uncontrolled Environment General Population
Spatial Peak SAR	1.60 W/kg (averaged over a mass of 1g)

Table 12-1 RF Exposure Limits

Notes:

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

13. Primary Laboratory Accreditation Details

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. Date of expiry: 2014-07-26.

14. Test Equipment Information

14.1 SPEAG DASY5

Test Platform	SPEAG DASY5 Professional			
Location	No.99 Hongye RD.Suzhou Industrial Park Loufeng Hi-New-Tech Development Area,Suzhou,China			
Manufacture	SPEAG			
Description	SAR Test System (Frequency range 300MHz-3GHz) 835MHz, 900MHz, 1800MHz, 1900MHz, 2000MHz, 2450MHz, 5200MHz, 5500MHz, 5800MHz frequency band			
Software Reference	DASY52: V52.8 SEMCAD: V14.6.5			
Hardware Reference				
Equipment	Model	Serial Number	Calibration Date	Due date of calibration
Robot	TX60L	F10/5C90A1/A/01	n/a	n/a
Phantom	SAM	TP-1561/1562	n/a	n/a
DAE	DAE4	1220	2013-01-23	2014-01-22
E-Field Probe	EX3DV4	3710	2013-03-12	2014-03-10
Validation Kits	D2450V2	839	2013-02-23	2014-02-22
Validation Kits	D5GHzV2	1078	2013-02-22	2014-02-21
Agilent Network Analyzer	E5071B	MY42100549	2013-02-15	2014-02-14
RF Bi-Directional Coupler	ZABDC20-252H	n/a	2013-03-18	2014-03-17
Agilent Signal Generator	E4438C	14438CATO-19719	2013-03-18	2014-03-17
Mini-Circuits Preamplifier	ZHL-42	D041905	2013-03-18	2014-03-17
Agilent Power Meter	E4416A	GB41292095	2013-03-18	2014-03-17
Agilent Power Sensor	8481H	MY41091234	2013-03-18	2014-03-17
R&S Power Sensor	NRP-Z92	100025	2013-03-18	2014-03-17
R&S Universal Radio Communication Tester	CMU200	103633	2013-03-18	2014-03-17

Attenuator	TS2-6dB	11051001	2013-08-18	2014-08-17
Attenuator	TS2-6dB	11051002	2013-08-18	2014-08-17

14.2 The SAR Measurement System

A photograph of the SAR measurement System is given in Fig. 15-1.

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (Speag Dasy 5 professional system). A Model EX3DV4 3710 E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-stimulant.

The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension is for accommodation the data acquisition electronics (DAE).

A dissymmetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

Data acquisition electronics (DAE) which performs the signal amplification signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.

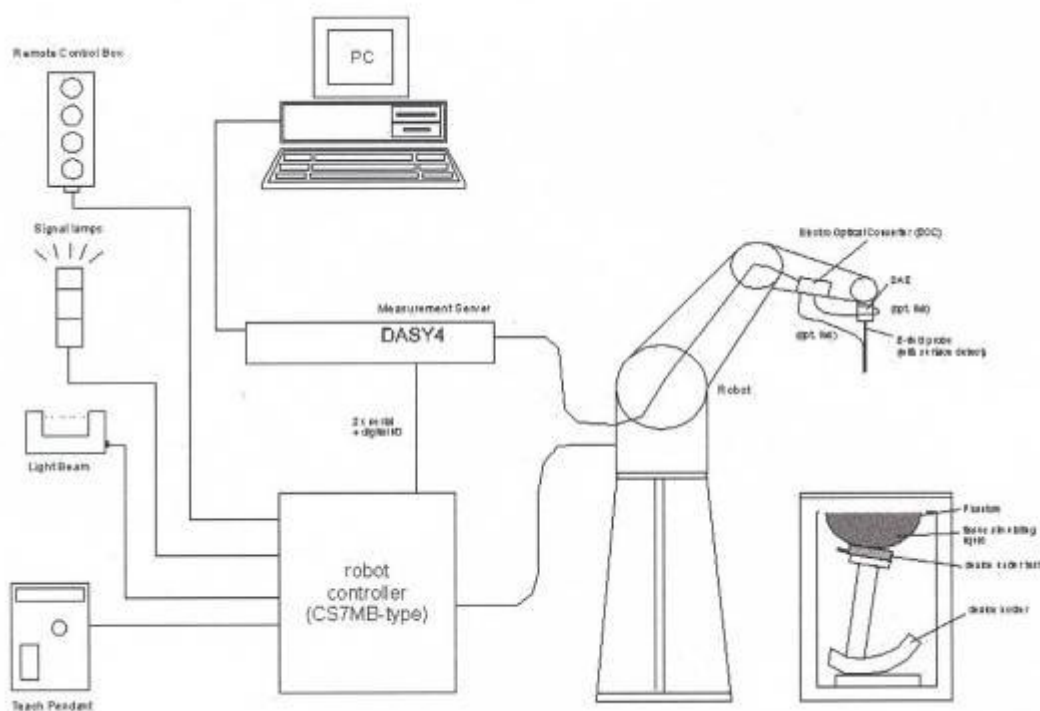


Fig. 14-1 SAR System Configuration

- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 2000.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and BodyWorn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.

14.3 Isotropic E-field Probe EX3DV4

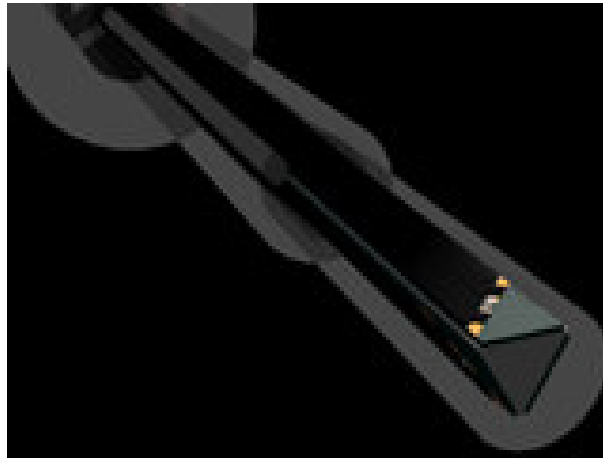


Fig. 14-2 E-field Probe

Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 2450, HSL 5200 and HSL 5800 Additional CF for other liquids and frequencies upon request
Frequency	450 MHz to 6 GHz; Linearity: ± 0.2 dB (450 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)
Dynamic Range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm
Application	General dosimetry up to 6 GHz Dosimetry in strong gradient fields Compliance tests of mobile phones

14.4 RAM Twin Phantom

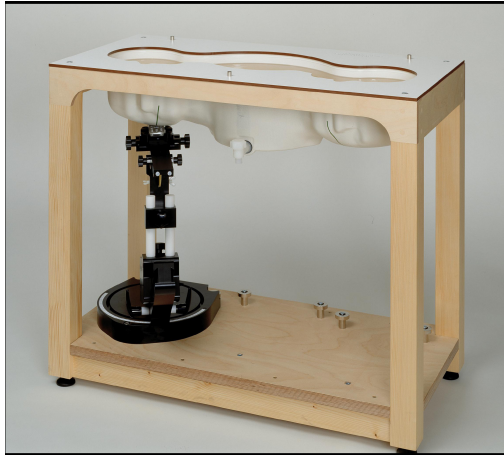


Fig. 14-3 SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas:

- Left hand
- Right hand
- Flat phantom

A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. Free space scans of devices on the cover are possible.

On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

Phantom specification:

Description	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528-2003, CENELEC 50361 and IEC 62209. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.
Shell Thickness	2+0.2mm, Center ear point: 6+0.2mm
Filling Volume	Approx.25 liters
Dimensions	Length: 1000mm, Width: 500mm, Height: 850mm

14.5 Device Holder for Transmitters



Fig. 14-4 Device Holder for Transmitters

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

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

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

15. Detailed Test Results

15.1 Summary of Results

15.1.1 Measurement of RF conducted Power (dBm)

Test Mode	Antenna	Channel	Frequency (MHz)	Output Power (dBm)	Average Power (dBm)
2.4GHz Band	Antenna A	Low	2412	17.58	13.22
		Middle	2438	17.82	13.38
		High	2464	17.26	13.34
	Antenna B	Low	2412	17.86	13.26
		Middle	2438	18.00	13.50
		High	2464	17.71	13.31
5.2GHz Band	Antenna A	Low	5180	14.16	9.76
		Middle	5210	14.42	9.82
		High	5240	14.08	9.68
	Antenna B	Low	5180	14.18	9.64
		Middle	5210	13.56	9.73
		High	5240	13.61	9.81
5.8GHz Band	Antenna A	Low	5736	12.30	8.34
		Middle	5762	12.59	8.42
		High	5814	12.58	8.38
	Antenna B	Low	5736	12.83	8.33
		Middle	5762	12.60	8.28
		High	5814	12.65	8.35

Note: For SAR testing, Testing software installed on the EUT can provide continuous transmitting RF signal, and command the EUT operated with maximum output power at fixed frequency. This RF signal utilized in SAR measurement has almost 100% duty cycle and its crest factor is 1.

15.1.2 Measurement of SAR average value

Form Antenna A

Band	EUT Position	Test Configuration	Averaged SAR over 1g (W/kg)			SAR limit 1g (W/kg))	Verdict
			Low	Middle	High		
2.4GHz	Body Worn	EUT Horizontal Front facing phantom	0.055	--	--	1.6	Passed
		EUT Horizontal Back facing phantom	0.176	0.156	0.167	1.6	Passed
		EUT Vertical Up facing phantom	0.156	--	--	1.6	Passed
		EUT Vertical Down facing phantom	0.020	--	--	1.6	Passed
		EUT Tip facing phantom	0.028	--	--	1.6	Passed
5.2GHz	Body Worn	EUT Horizontal Front facing phantom	0.162	--	--	1.6	Passed
		EUT Horizontal Back facing phantom	0.233	--	--	1.6	Passed
		EUT Vertical Up facing phantom	0.292	0.251	0.181	1.6	Passed
		EUT Vertical Down facing phantom	0.101	--	--	1.6	Passed
		EUT Tip facing phantom	0.133	--	--	1.6	Passed
5.8GHz	Body Worn	EUT Vertical Up facing phantom	0.479	0.574	0.373	1.6	Passed

Form Antenna B

Band	EUT Position	Test Configuration	Averaged SAR over 1g (W/kg)			SAR limit 1g (W/kg))	Verdict
			Low	Middle	High		
2.4GHz	Body Worn	EUT Horizontal Front facing phantom	0.062	--	--	1.6	Passed
		EUT Horizontal Back facing phantom	0.290	0.258	0.245	1.6	Passed
		EUT Vertical Up facing phantom	0.153	--	--	1.6	Passed
		EUT Vertical Down facing phantom	0.015	--	--	1.6	Passed

		EUT Tip facing phantom	0.031	--	--	1.6	Passed
5.2GHz	Body Worn	EUT Horizontal Front facing phantom	0.161	--	--	1.6	Passed
		EUT Horizontal Back facing phantom	0.225	0.209	0.227	1.6	Passed
		EUT Vertical Up facing phantom	0.184	--	--	1.6	Passed
		EUT Vertical Down facing phantom	0.072	--	--	1.6	Passed
		EUT Tip facing phantom	0.105	--	--	1.6	Passed
5.8GHz	Body Worn	EUT Horizontal Back facing phantom	0.273	0.287	0.269	1.6	Passed

15.2 Maximum SAR Calculate

Frequency Band	Test Antenna	Channel	Maximum Allowed Power (dBm)	Conducted Average Power (dBm)	Limit SAR 1.6W/kg(for 1g)		
					Measured SAR (W/kg)	Scaling Factor	Reported SAR (W/kg)
2.4GHz Band	Antenna A	Low/2412	13.50	13.22	0.176	1.07	0.188
		Middle/2438	13.50	13.38	0.156	1.03	0.161
		High/2464	13.50	13.34	0.167	1.04	0.174
	Antenna B	Low/2412	13.50	13.26	0.290	1.06	0.307
		Middle/2438	13.50	13.50	0.258	1.00	0.258
		High/2464	13.50	13.31	0.245	1.04	0.255
5.2GHz Band	Antenna A	Low/5180	10.00	9.76	0.292	1.06	0.310
		Middle/5210	10.00	9.82	0.251	1.04	0.261
		High/5240	10.00	9.68	0.181	1.08	0.195
	Antenna B	Low/5180	10.00	9.64	0.225	1.09	0.245
		Middle/5210	10.00	9.73	0.209	1.06	0.222
		High/5240	10.00	9.81	0.227	1.04	0.236

5.8GHz Band	Antenna A	Low/5736	8.50	8.34	0.479	1.04	0.498
		Middle/5762	8.50	8.42	0.574	1.02	0.585
		High/5814	8.50	8.38	0.373	1.03	0.384
	Antenna B	Low/5736	8.50	8.33	0.273	1.04	0.284
		Middle/5762	8.50	8.28	0.287	1.05	0.301
		High/5814	8.50	8.35	0.269	1.04	0.280

15.2.1 Maximum SAR Results

Frequency Band	EUT Position	SAR, Averaged over 1g (W/kg)	Power Drift (dB)	SAR limit (W/kg)	Verdict
2.4GHz Band	EUT Horizontal Back facing phantom Low Channel For Antenna B	0.307	-0.11	1.6	Passed
5.2GHz Band	EUT Vertical Up facing phantom Low Channel For Antenna A	0.310	0.12	1.6	Passed
5.8GHz Band	EUT Vertical Up facing phantom Middle Channel For Antenna A	0.585	-0.07	1.6	Passed

15.2.2 Maximum Drift

Maximum Drift during measurement	-0.20dB
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15.2.3 Measurement Uncertainty

Extended Uncertainty (k=2) 95%	20.86%
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15.3 Operation Configurations

Use the channel switch to change the EUT operational frequency(Channel) and radiated antenna.

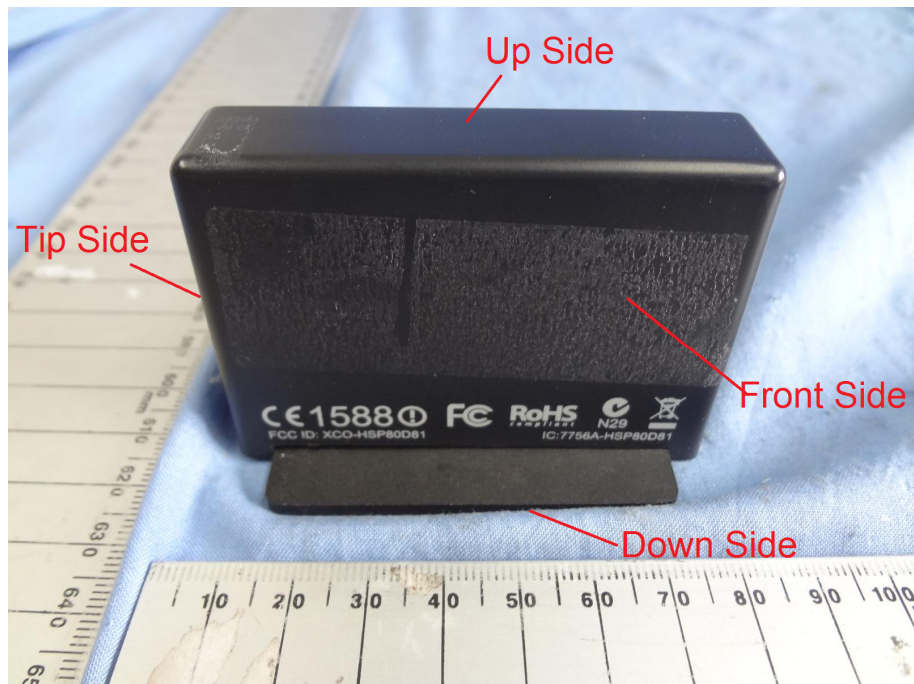
- Below shows the testing positions .
- The EUT is tested at Lowest,Middle,Highest channel.
- Test reduction has been adopted according to conducted output power and produced SAR level:

Low and High channel SAR are optional if SAR value produced in the middle channel is 3dB lower than the applicable SAR limit;

- The (max.cube) labeling indicates that during the grid scanning an additional peak was found which within 2dB of the highest peak

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EUT side define:



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EUT was placed on the Holder.



EUT Vertical place



EUT Horizontal place



EUT Tip Place

15.4 Measurement procedure

Step 1: Power reference measurement

The SAR measurement was taken at a selected spatial reference point to monitor power variations during testing. This fixed location point was measured and used as a reference value.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or

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10mm*10mm. Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 30mm*30mm*30mm (fine resolution volume scan, zoom scan) was assessed by measuring 7*7*7 points. On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the center of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification) the extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points (10*10*10) were interpolated to calculate the average. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Power reference measurement (drift)

The SAR value at the same location as in step 1 was again measured. (If the value changed by more than 5%, the evaluation should be done repeatedly)

15.5 Detailed Test Results

For Antenna A

15.5.1 2.4GHz Band-Low-Horizontal-Front Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Horizontal Front

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.56$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

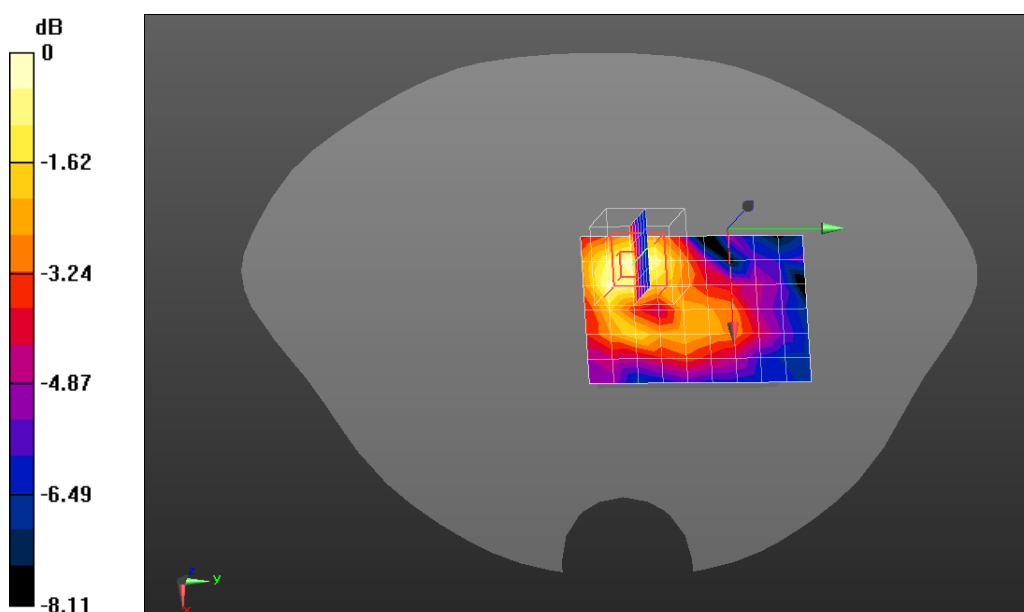
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Horizontal Front/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0611 mW/g

Configuration/2412MHz-Horizontal Front/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.081 V/m; Power Drift = -0.06 dB**
Peak SAR (extrapolated) = 0.089 mW/g

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.034 mW/g **Maximum value of SAR (measured) = 0.0634 mW/g**

SHEMC

$$0 \text{ dB} = 0.0634 \text{ mW/g} = -23.96 \text{ dB mW/g}$$

15.5.2 2.4GHz Band-Low-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 52.56$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

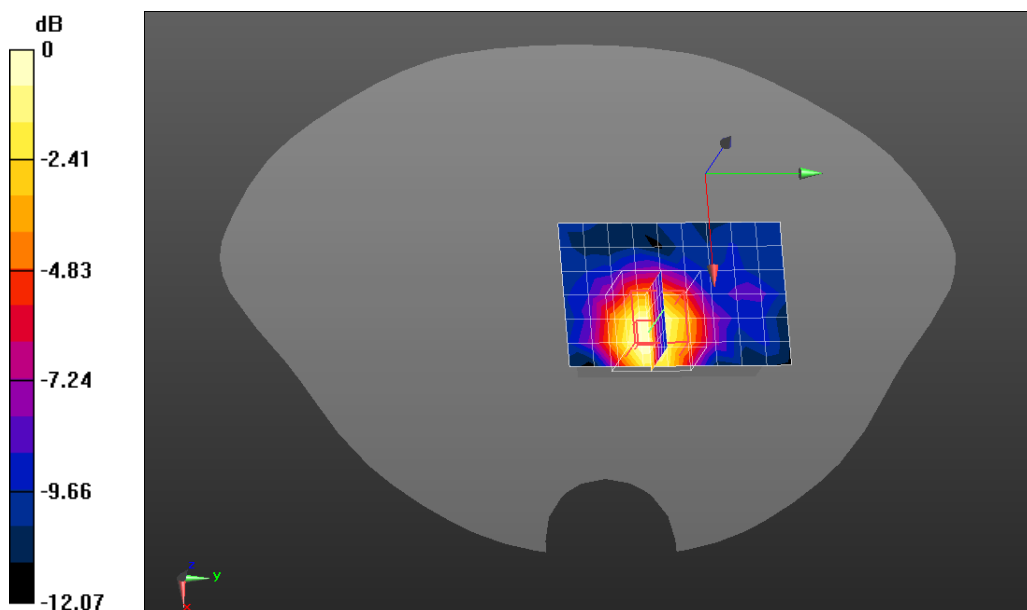
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.171 mW/g

Configuration/2412MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.409 V/m; Power Drift = 0.08 dB**
Peak SAR (extrapolated) = 0.350 mW/g

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.085 mW/g **Maximum value of SAR (measured) = 0.162 mW/g**


$$0 \text{ dB} = 0.162 \text{ mW/g} = -15.81 \text{ dB mW/g}$$

SHEMC

15.5.3 2.4GHz Band-Low-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.56$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

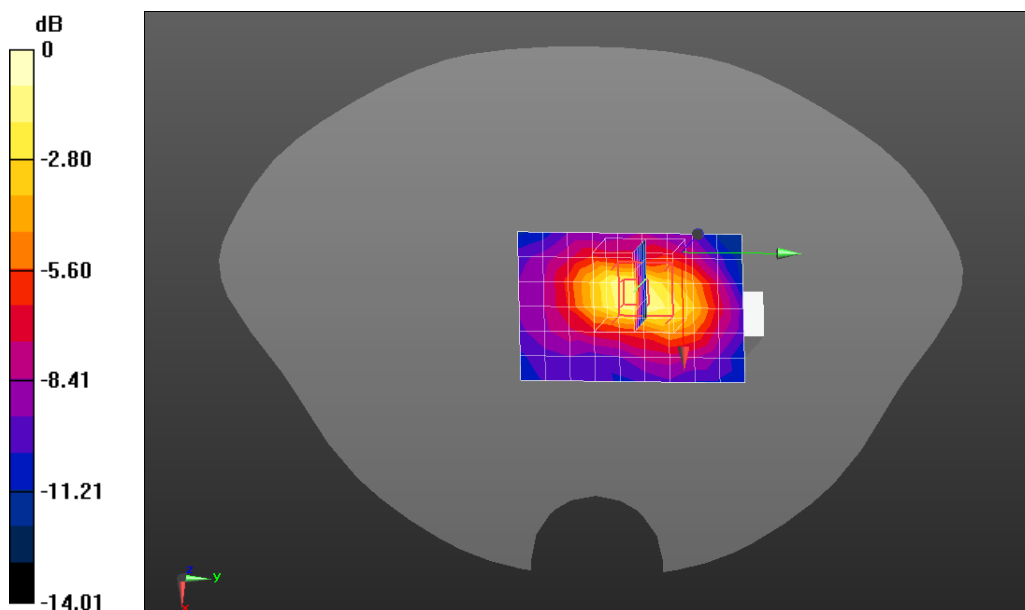
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Vertical Up/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.167 mW/g

Configuration/2412MHz-Vertical Up/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm,**
dz=5mm, Reference Value = 7.001 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.317 mW/g

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.085 mW/g **Maximum value of SAR (measured) = 0.219 mW/g**


0 dB = 0.219 mW/g = -13.19 dB mW/g

SHEMC

15.5.4 2.4GHz Band-Low-Vertical-Down Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Vertical Down

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 52.56$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

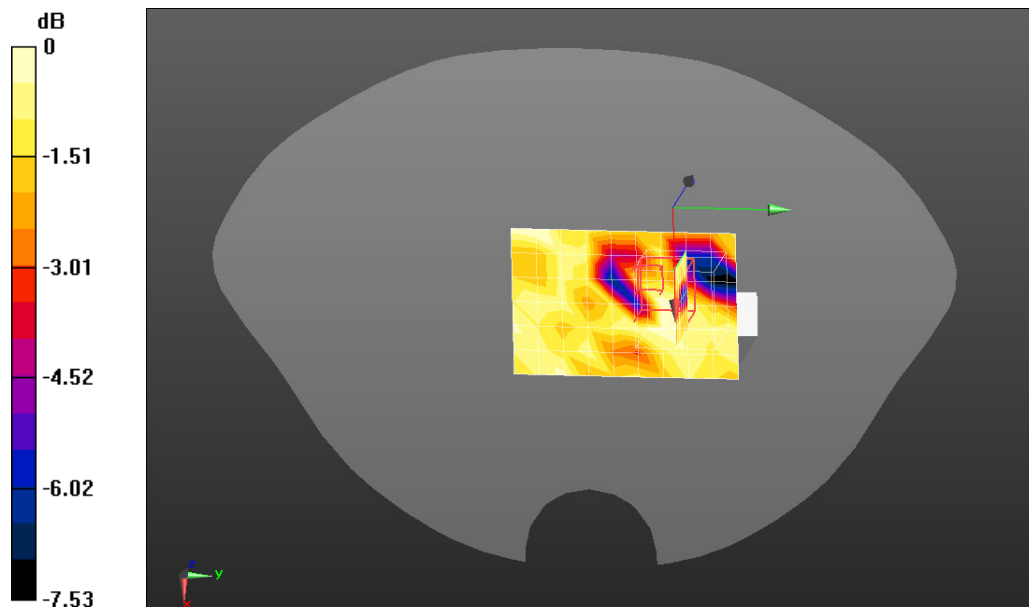
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Vertical Down/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0223 mW/g

Configuration/2412MHz-Vertical Down/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 2.729 V/m; Power Drift = 0.15 dB**
Peak SAR (extrapolated) = 0.024 mW/g

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.014 mW/g **Maximum value of SAR (measured) = 0.0210 mW/g**


0 dB = 0.0210 mW/g = -33.56 dB mW/g

SHEMC

15.5.5 2.4GHz Band-Low-Tip Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Tip

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.56$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

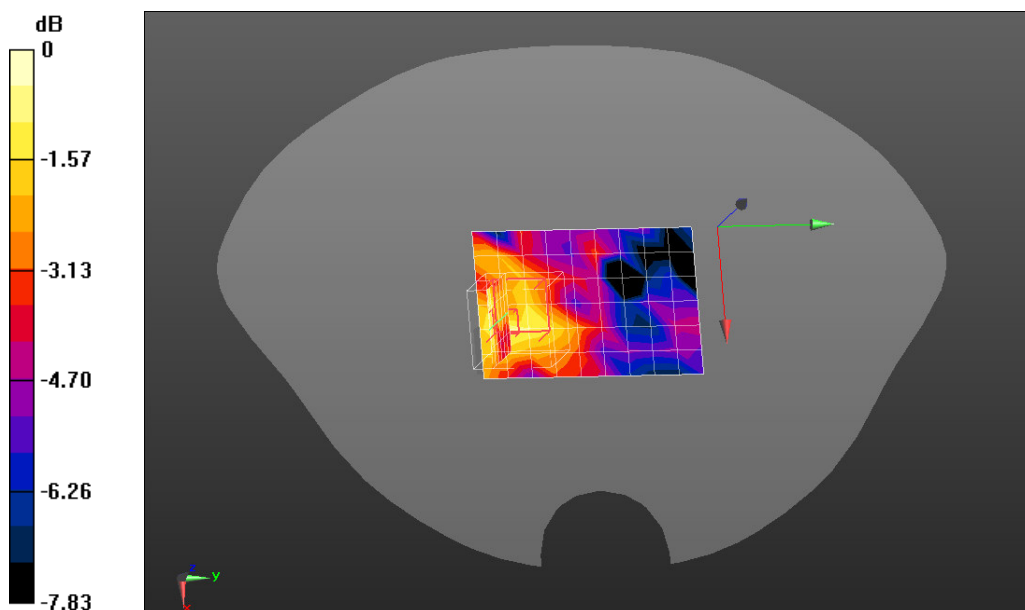
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Tip/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0264 mW/g

Configuration/2412MHz-Tip/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm,**
dz=5mm, Reference Value = 2.899 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.050 mW/g

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.023 mW/g **Maximum value of SAR (measured) = 0.0302 mW/g**


0 dB = 0.0302 mW/g = -30.40 dB mW/g

SHEMC

15.5.6 2.4GHz Band-Middle-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2438MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2438 MHz;

Medium parameters used: $f = 2438$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.45$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

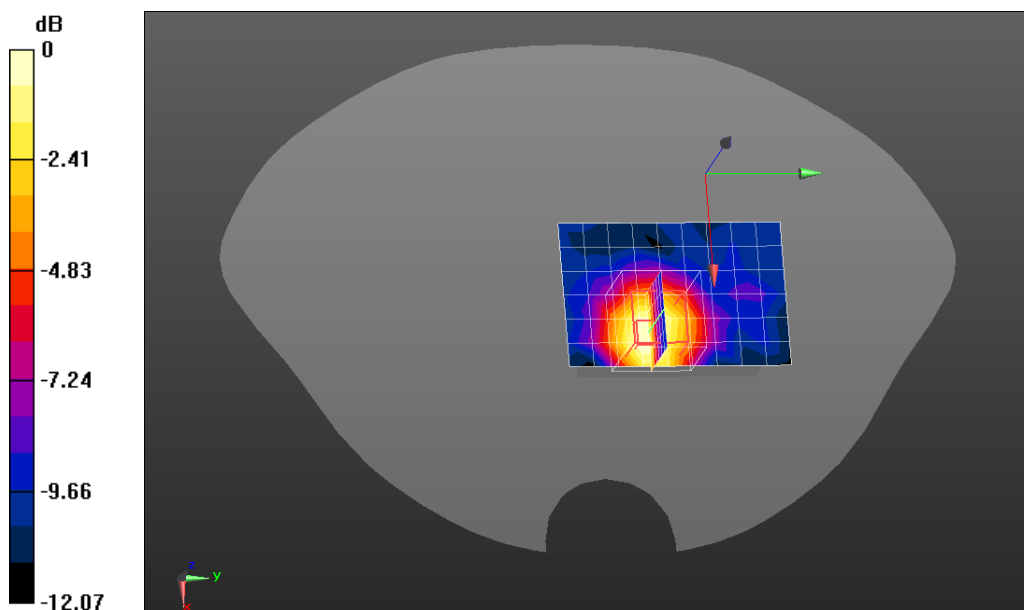
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2438MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.171 mW/g

Configuration/2438MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.409 V/m; Power Drift = 0.08 dB**
Peak SAR (extrapolated) = 0.317 mW/g

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.085 mW/g **Maximum value of SAR (measured) = 0.162 mW/g**


0 dB = 0.162 mW/g = -15.81 dB mW/g

SHEMC

15.5.7 2.4GHz Band-High-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2464MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2464 MHz;
Medium parameters used: $f = 2464 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 52.36$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

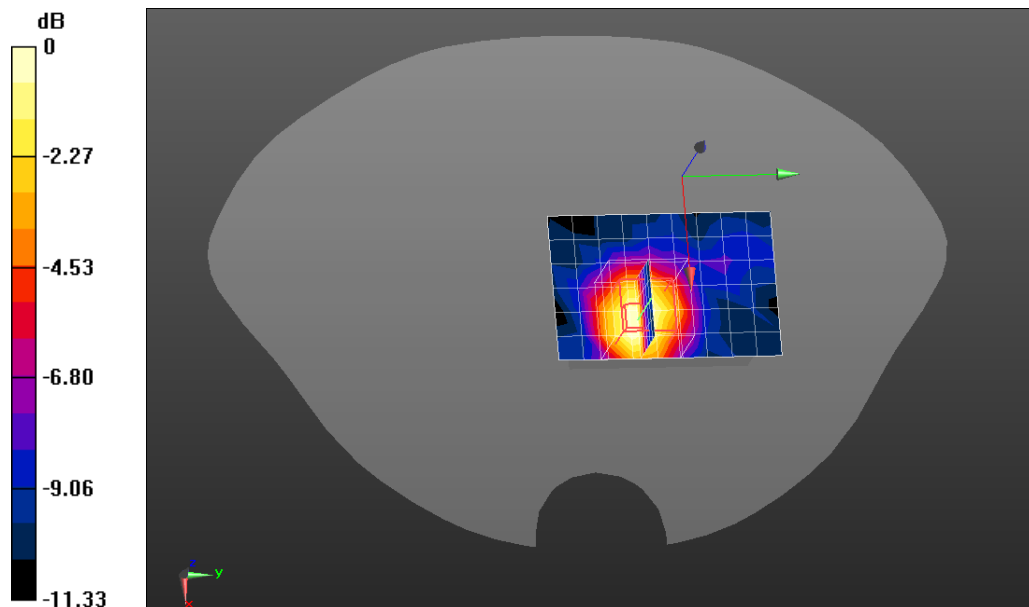
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2464MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.162 mW/g

Configuration/2464MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.813 V/m; Power Drift = -0.16 dB**
Peak SAR (extrapolated) = 0.364 mW/g

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.088 mW/g **Maximum value of SAR (measured) = 0.169 mW/g**


0 dB = 0.169 mW/g = -15.44 dB mW/g

SHEMC

15.5.8 5.2GHz Band-Low-Horizontal-Front Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Horizontal Front

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

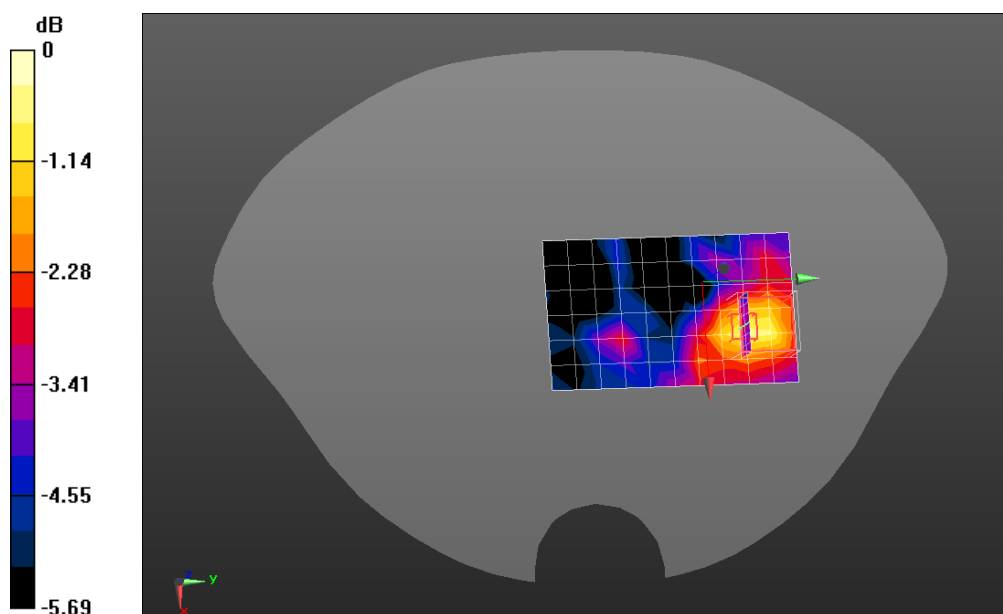
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Horizontal Front/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 0.194 mW/g**

Configuration/5180MHz-Horizontal Front/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 3.997 V/m; Power Drift = -0.17 dB**

Peak SAR (extrapolated) = 0.418 mW/g

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.116 mW/g **Maximum value of SAR (measured) = 0.218 mW/g**


0 dB = 0.218 mW/g = -13.23 dB mW/g

SHEMC

15.5.9 5.2GHz Band-Low-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

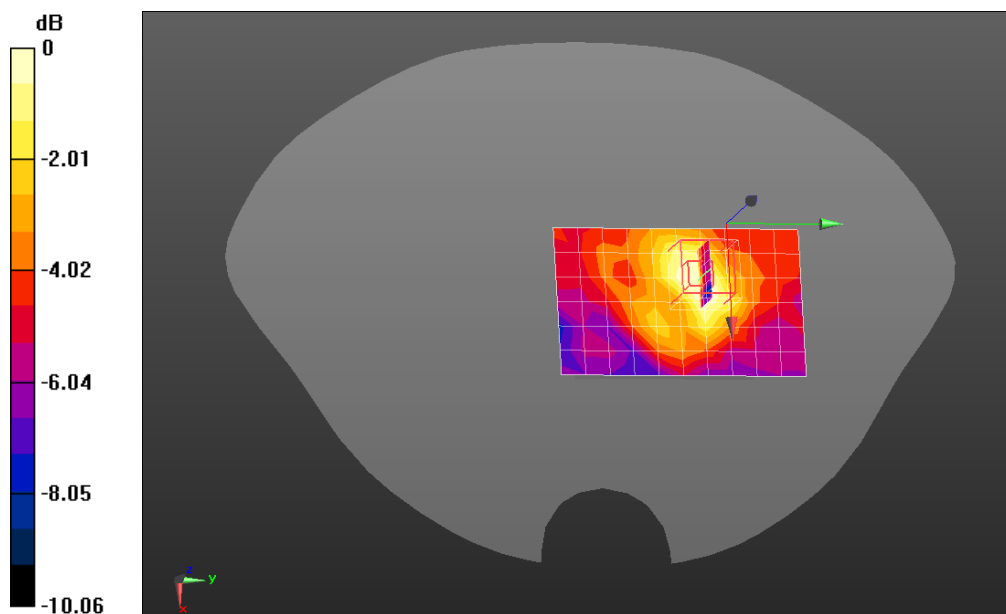
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.427 mW/g

Configuration/5180MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.088 V/m; Power Drift = -0.09 dB**
Peak SAR (extrapolated) = 0.700 mW/g

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.138 mW/g **Maximum value of SAR (measured) = 0.379 mW/g**


0 dB = 0.379 mW/g = -8.43 dB mW/g

SHEMC

15.5.10 5.2GHz Band-Low-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

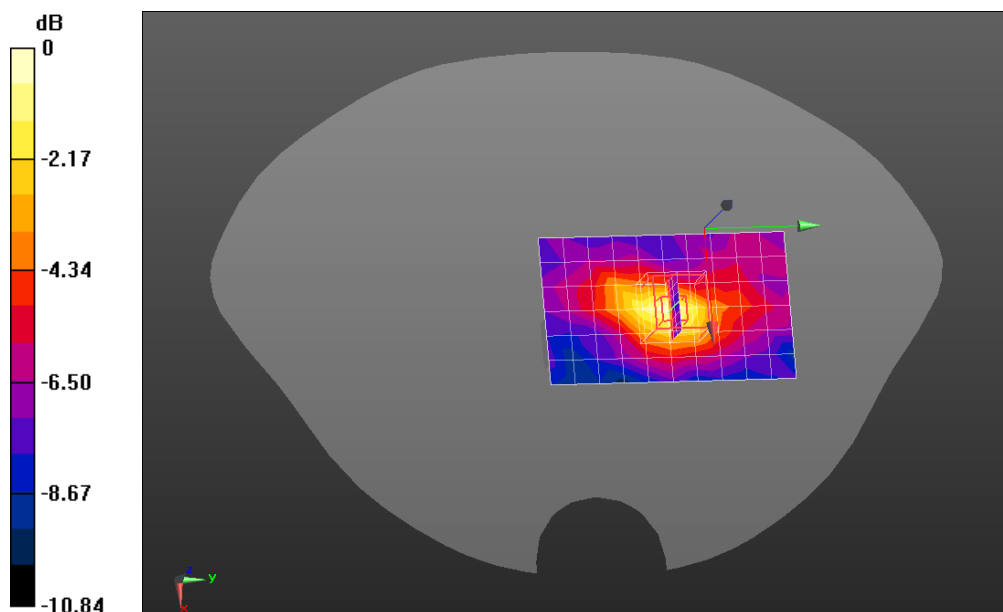
Configuration/5180MHz-Vertical Up/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**

Maximum value of SAR (measured) = 0.456 mW/g

Configuration/5180MHz-Vertical Up/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.245 V/m; Power Drift = 0.12 dB**

Peak SAR (extrapolated) = 0.875 mW/g

SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.162 mW/g **Maximum value of SAR (measured) = 0.473 mW/g**



0 dB = 0.473 mW/g = -6.50 dB mW/g

SHEMC

15.5.11 5.2GHz Band-Low-Vertical-Down Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Vertical Down

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

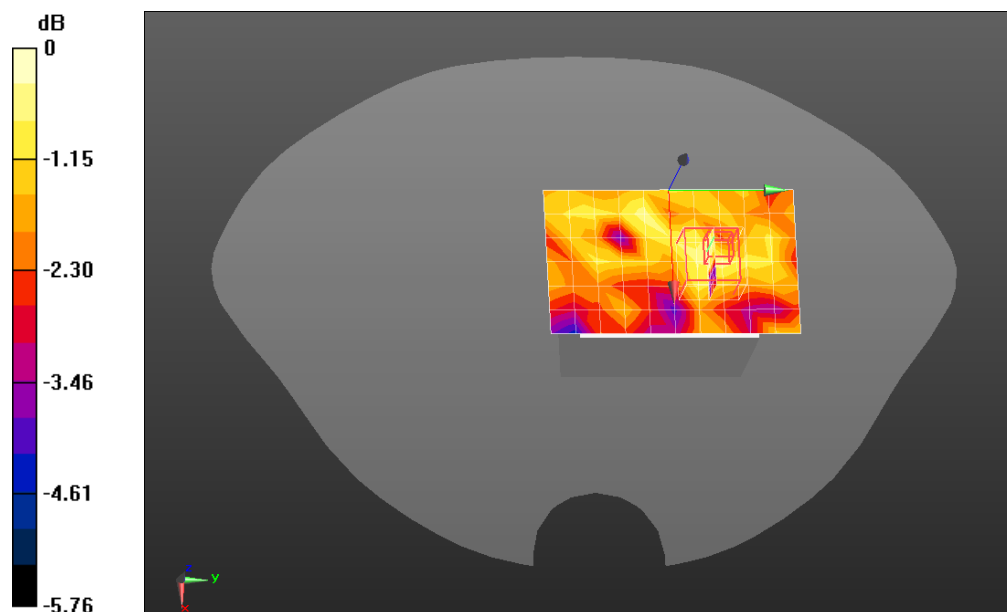
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Vertical Down/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.105 mW/g

Configuration/5180MHz-Vertical Down/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 3.773 V/m; Power Drift = 0.03 dB**
Peak SAR (extrapolated) = 0.131 mW/g

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.085 mW/g **Maximum value of SAR (measured) = 0.117 mW/g**


0 dB = 0.117 mW/g = -18.64 dB mW/g

SHEMC

15.5.12 5.2GHz Band-Low-Tip Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Tip

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

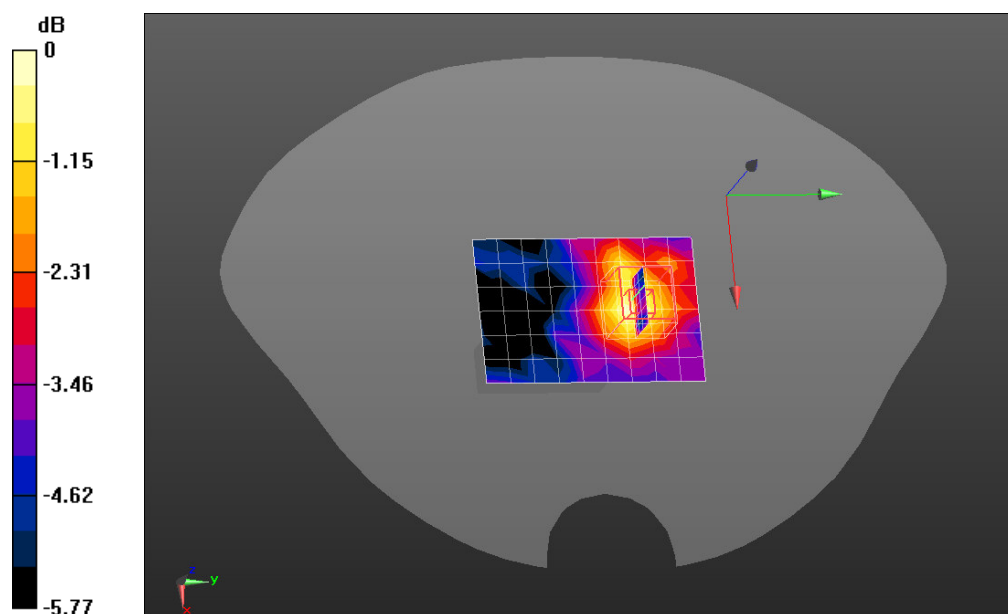
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Tip/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.177 mW/g

Configuration/5180MHz-Tip/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.119 V/m; Power Drift = 0.04 dB**

Peak SAR (extrapolated) = 0.454 mW/g

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.092 mW/g **Maximum value of SAR (measured) = 0.182 mW/g**


0 dB = 0.182 mW/g = -14.80 dB mW/g

SHEMC

15.5.13 5.2GHz Band-Middle-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5210MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5210 MHz; Medium parameters used: $f = 5210$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.64$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

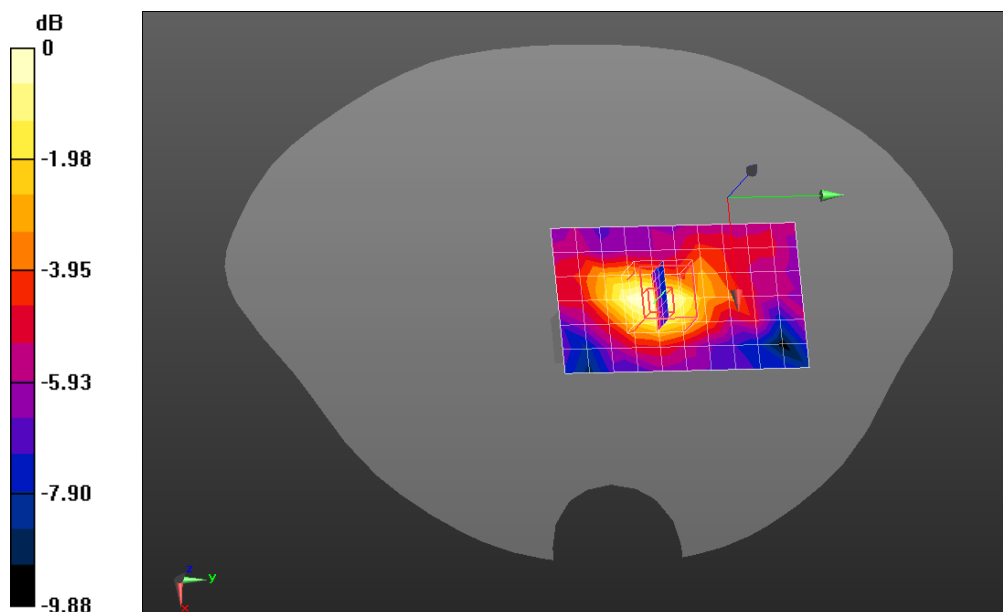
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5210MHz-Vertical Up/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.463 mW/g

Configuration/5210MHz-Vertical Up/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 5.107 V/m; Power Drift = -0.18 dB**

Peak SAR (extrapolated) = 0.829 mW/g

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.133 mW/g **Maximum value of SAR (measured) = 0.410 mW/g**


0 dB = 0.410 mW/g = -7.74 dB mW/g

SHEMC

15.5.14 5.2GHz Band-High-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5240MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5240 MHz; Medium parameters used: $f = 5240$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.55$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

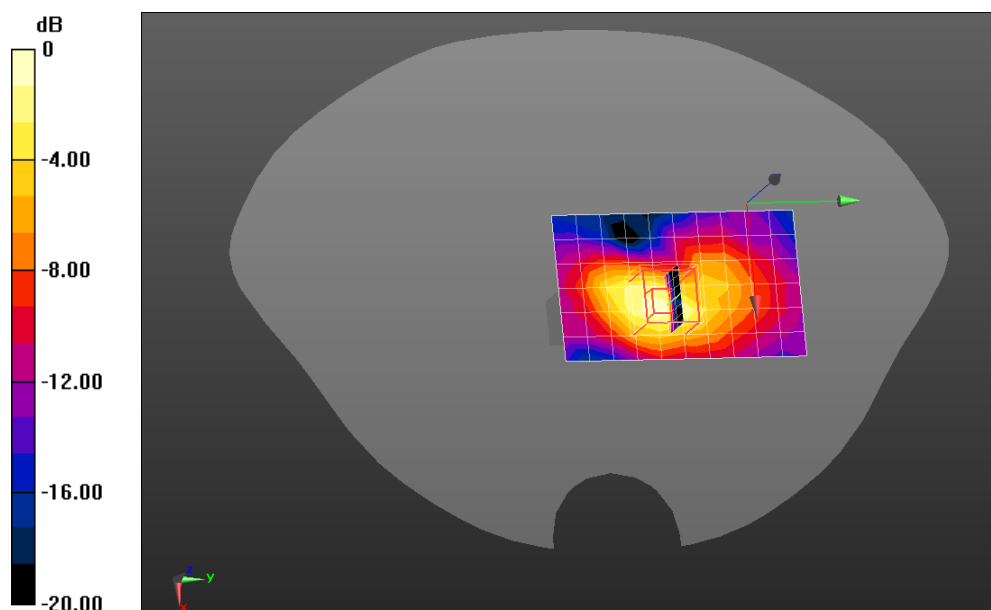
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5240MHz-Vertical Up/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.347 mW/g

Configuration/5240MHz-Vertical Up/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 3.326 V/m; Power Drift = 0.10 dB**
Peak SAR (extrapolated) = 0.673 mW/g

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.060 mW/g **Maximum value of SAR (measured) = 0.356 mW/g**


0 dB = 0.356 mW/g = -8.97 dB mW/g

SHEMC

15.5.15 5.8GHz Band-Low-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5736MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5736 MHz; Medium parameters used: $f = 5736$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47.24$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

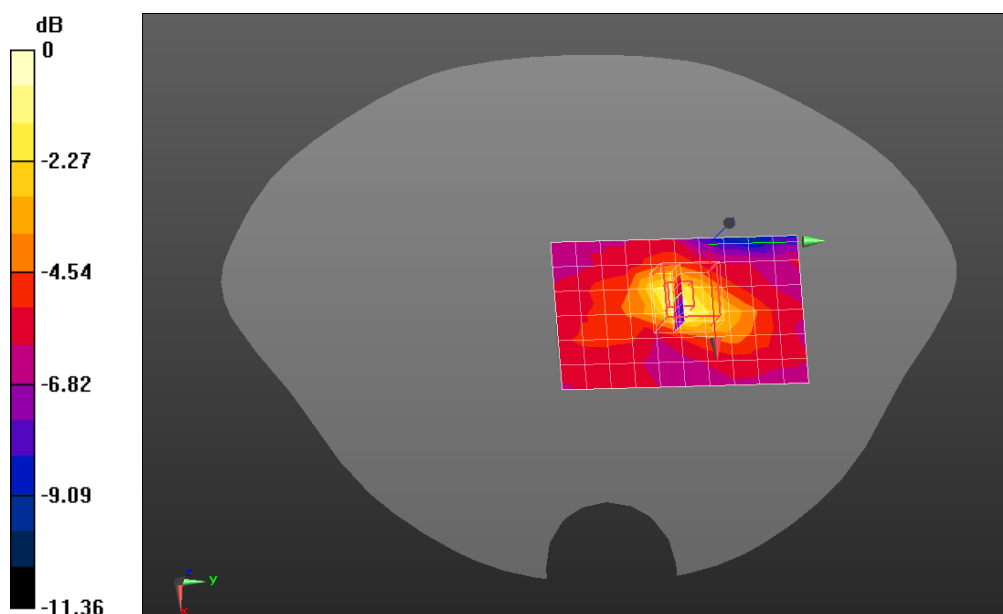
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5736MHz-Vertical Up/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.972 mW/g

Configuration/5736MHz-Vertical Up/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 8.491 V/m; Power Drift = 0.11 dB**

Peak SAR (extrapolated) = 2.162 mW/g

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.310 mW/g **Maximum value of SAR (measured) = 0.858 mW/g**


0 dB = 0.858 mW/g = -1.33 dB mW/g

SHEMC

15.5.16 5.8GHz Band-Middle-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5762MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5762 MHz; Medium parameters used: $f = 5762$ MHz; $\sigma = 6.19$ mho/m; $\epsilon_r = 47.13$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

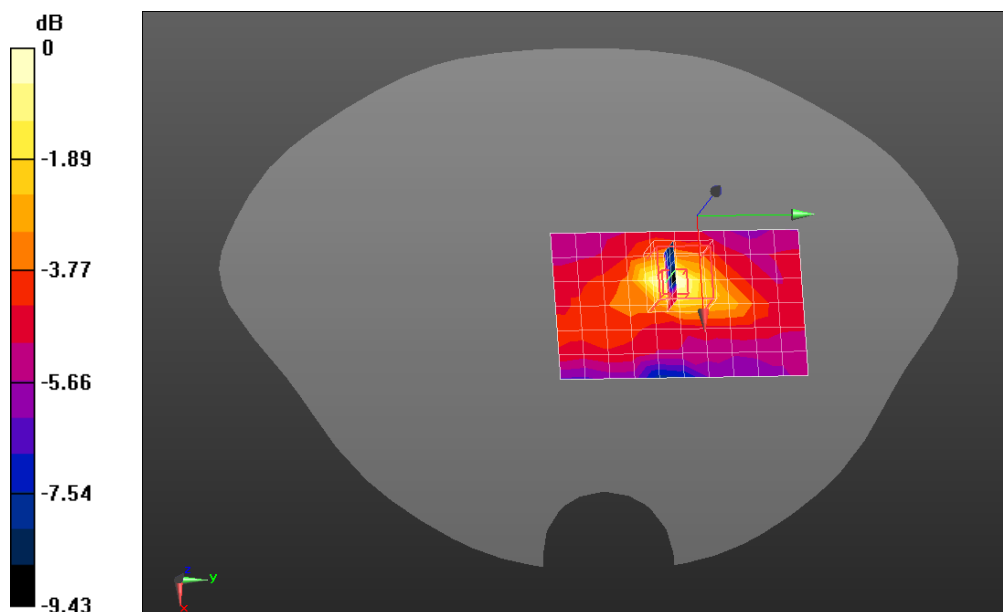
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5762MHz-Vertical Front/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 1.02 mW/g

Configuration/5762MHz-Vertical Front/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 8.720 V/m; Power Drift = -0.07 dB**
Peak SAR (extrapolated) = 2.826 mW/g

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.341 mW/g **Maximum value of SAR (measured) = 0.963 mW/g**


0 dB = 0.963 mW/g = -0.327 dB mW/g

SHEMC

15.5.17 5.8GHz Band-High-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5814MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5814 MHz; Medium parameters used: $f = 5814$ MHz; $\sigma = 6.29$ mho/m; $\epsilon_r = 47.04$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

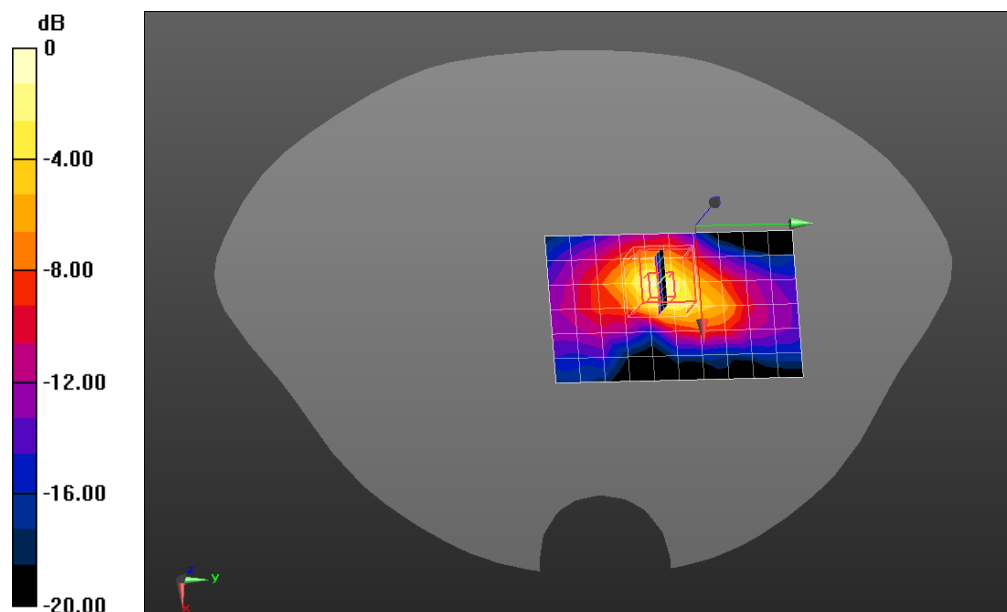
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5814MHz-Vertical Front/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.618 mW/g

Configuration/5814MHz-Vertical Front/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 2.018 V/m; Power Drift = 0.06 dB**
Peak SAR (extrapolated) = 1.254 mW/g

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.114 mW/g **Maximum value of SAR (measured) = 0.765 mW/g**


0 dB = 0.765 mW/g = -2.33 dB mW/g

SHEMC

For Antenna B 15.5.18 2.4GHz Band-Low-Horizontal-Front Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Horizontal Front

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.56$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

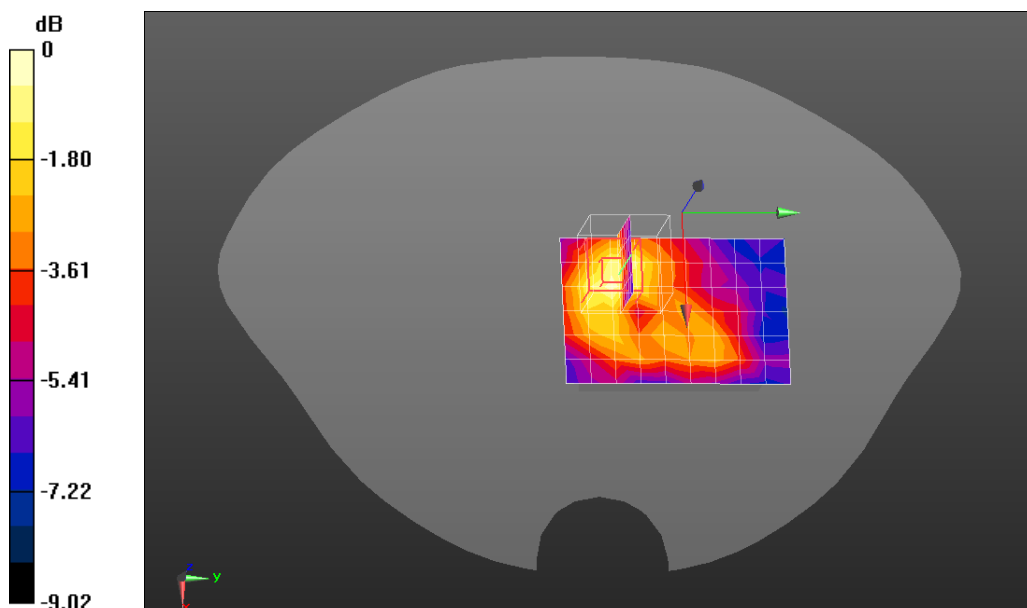
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Horizontal Front/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0629 mW/g

Configuration/2412MHz-Horizontal Front/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.119 V/m; Power Drift = 0.11 dB**
Peak SAR (extrapolated) = 0.114 mW/g

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.038 mW/g **Maximum value of SAR (measured) = 0.0667 mW/g**

SHEMC

$$0 \text{ dB} = 0.0667 \text{ mW/g} = -23.52 \text{ dB mW/g}$$

15.5.19 2.4GHz Band-Low-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 52.56$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

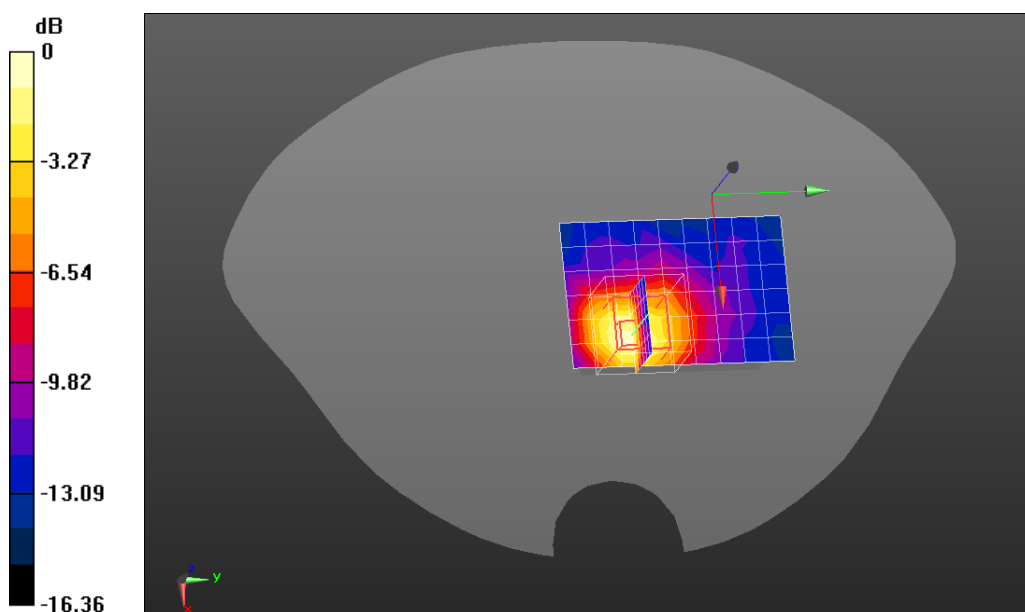
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.289 mW/g

Configuration/2412MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.879 V/m; Power Drift = -0.11 dB**
Peak SAR (extrapolated) = 0.589 mW/g

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.144 mW/g **Maximum value of SAR (measured) = 0.319 mW/g**


$$0 \text{ dB} = 0.319 \text{ mW/g} = -9.92 \text{ dB mW/g}$$

SHEMC

15.5.20 2.4GHz Band-Low-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.56$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

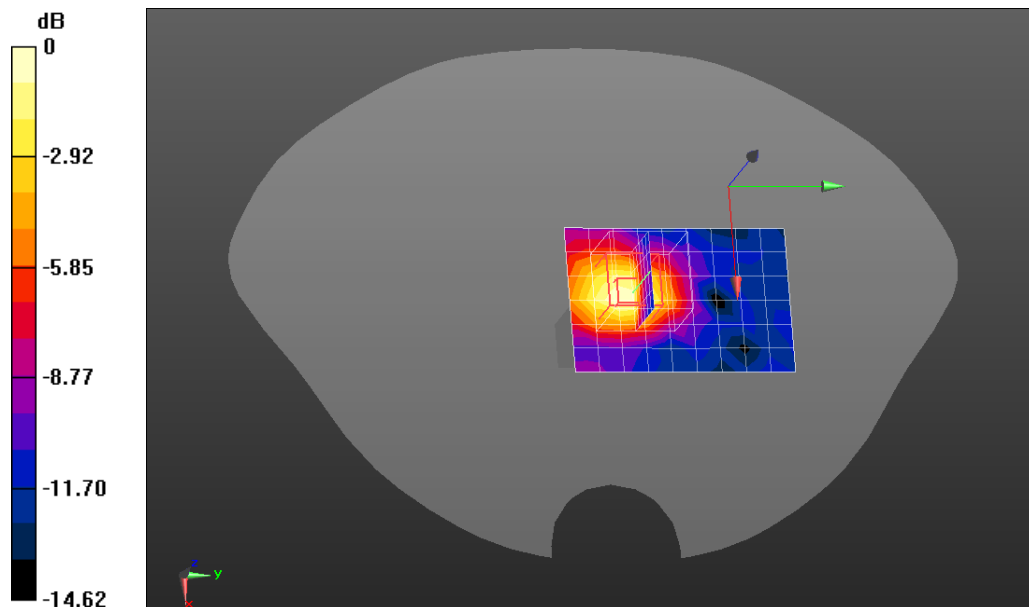
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Vertical Up/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.175 mW/g

Configuration/2412MHz-Vertical Up/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm,**
dz=5mm, Reference Value = 7.896 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.072 mW/g **Maximum value of SAR (measured) = 0.167 mW/g**


0 dB = 0.167 mW/g = -15.55 dB mW/g

SHEMC

15.5.21 2.4GHz Band-Low-Vertical-Down Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Vertical Down

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 52.56$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

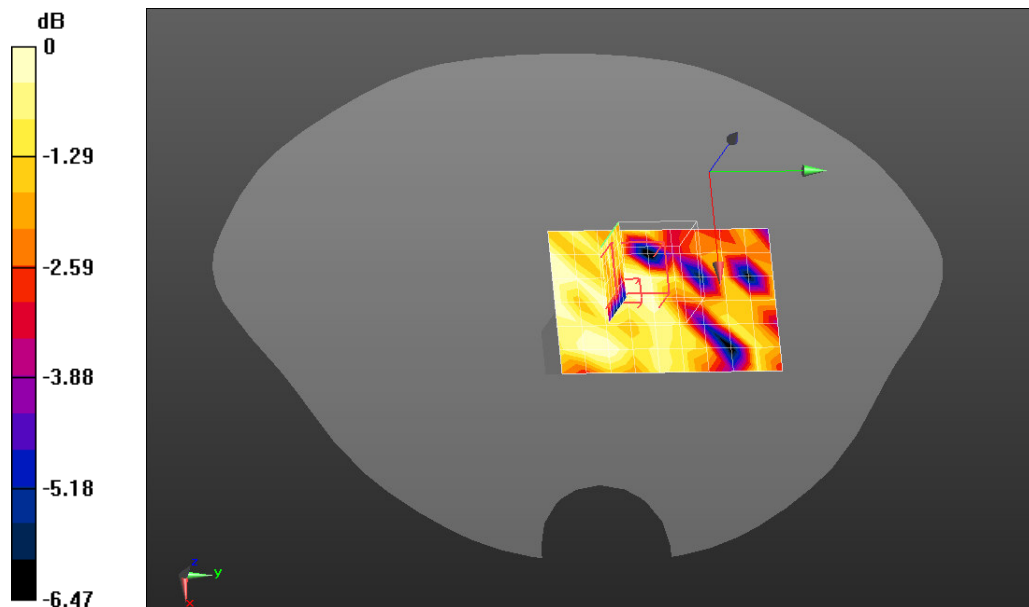
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Vertical Down/Area Scan (7x10x1): **Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$**
Maximum value of SAR (measured) = 0.0192 mW/g

Configuration/2412MHz-Vertical Down/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$, Reference Value = 2.808 V/m; Power Drift = 0.19 dB**
Peak SAR (extrapolated) = 0.028 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.013 mW/g **Maximum value of SAR (measured) = 0.0185 mW/g**


0 dB = 0.0185 mW/g = -34.66 dB mW/g

SHEMC

15.5.22 2.4GHz Band-Low-Tip Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2412MHz-Tip

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2412 MHz;

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 52.56$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

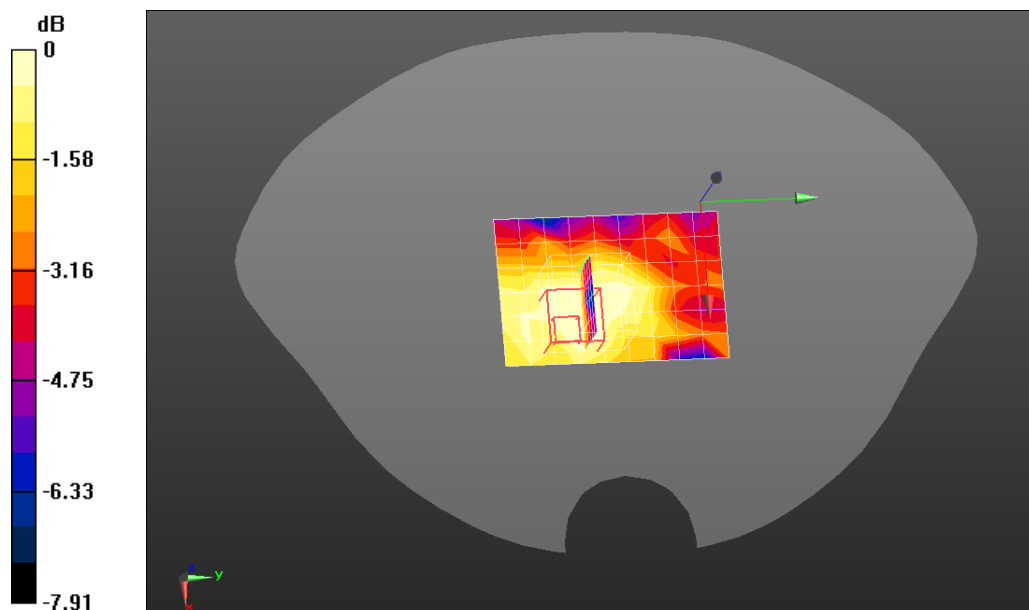
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2412MHz-Tip/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0354 mW/g

Configuration/2412MHz-Tip/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm,**
dz=5mm, Reference Value = 4.030 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.068 mW/g

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.021 mW/g **Maximum value of SAR (measured) = 0.0315 mW/g**


0 dB = 0.0315 mW/g = -30.03 dB mW/g

SHEMC

15.5.23 2.4GHz Band-Middle-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2438MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2438 MHz;

Medium parameters used: $f = 2438 \text{ MHz}$; $\sigma = 1.97 \text{ mho/m}$; $\epsilon_r = 52.45$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

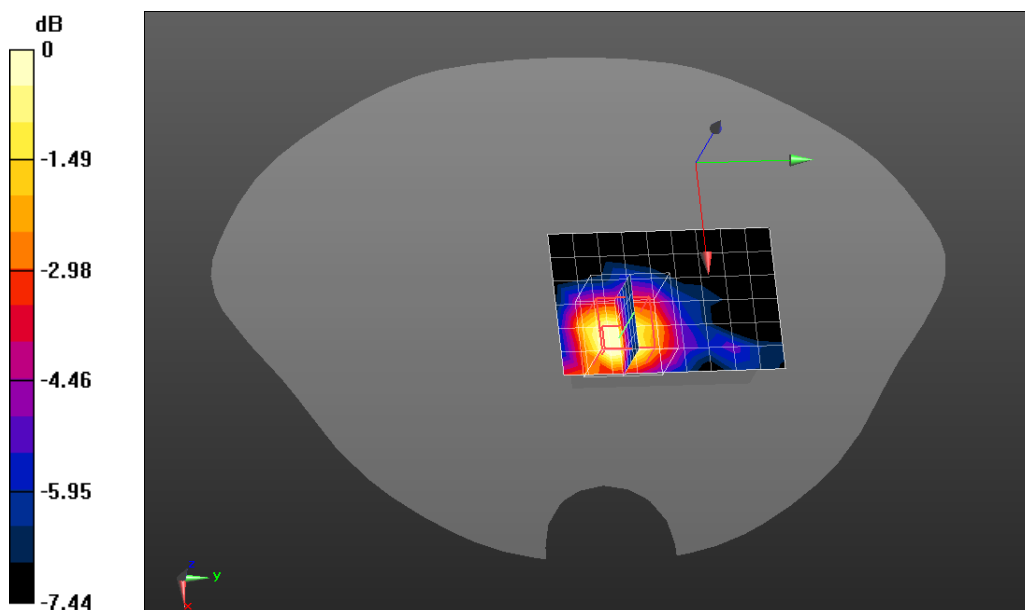
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2438MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.292 mW/g

Configuration/2438MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.893 V/m; Power Drift = -0.16 dB**
Peak SAR (extrapolated) = 0.514 mW/g

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.144 mW/g **Maximum value of SAR (measured) = 0.266 mW/g**


0 dB = 0.266 mW/g = -11.50 dB mW/g

SHEMC

15.5.24 2.4GHz Band-High-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

2464MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Frequency: 2464 MHz;
Medium parameters used: $f = 2464$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 52.36$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

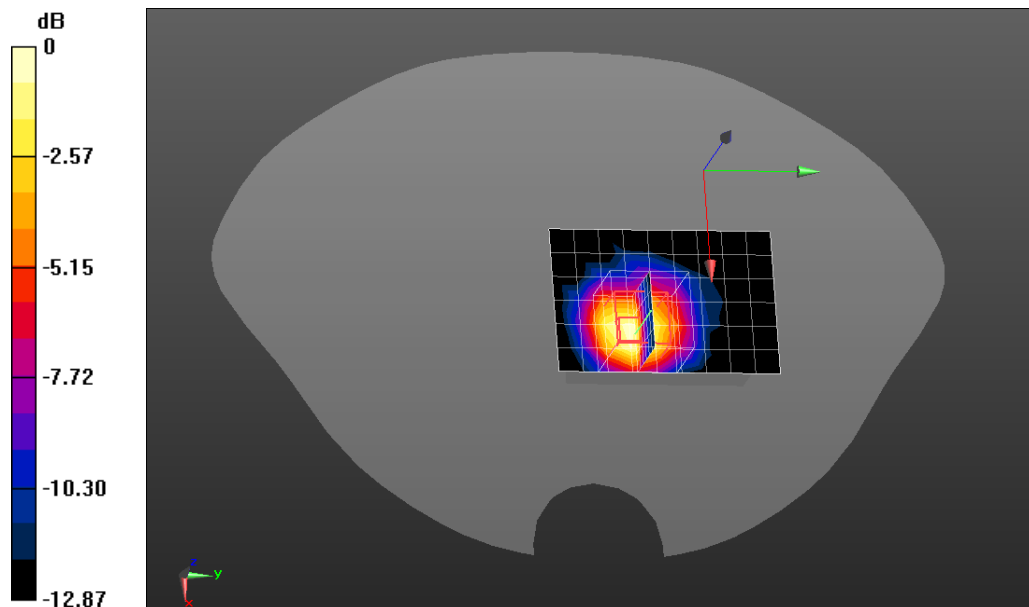
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/2464MHz-Horizontal Back/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.236 mW/g

Configuration/2464MHz-Horizontal Back/Zoom Scan (5x5x7)/Cube 0: **Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 4.810 V/m; Power Drift = -0.17 dB**
Peak SAR (extrapolated) = 0.538 mW/g

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.118 mW/g **Maximum value of SAR (measured) = 0.264 mW/g**


0 dB = 0.264 mW/g = -11.57 dB mW/g

SHEMC

15.5.25 5.2GHz Band-Low-Horizontal-Front Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Horizontal Front

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

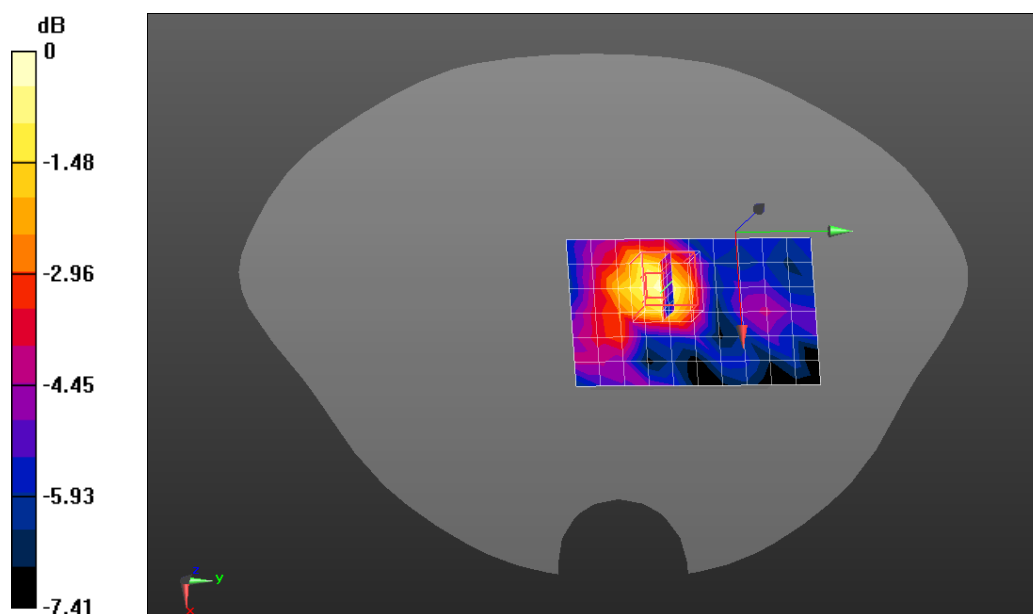
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Horizontal Front/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 0.234 mW/g**

Configuration/5180MHz-Horizontal Front/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.277 V/m; Power Drift = 0.08 dB**

Peak SAR (extrapolated) = 0.400 mW/g

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.104 mW/g **Maximum value of SAR (measured) = 0.237 mW/g**


0 dB = 0.237 mW/g = -12.51 dB mW/g

SHEMC

15.5.26 5.2GHz Band-Low-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

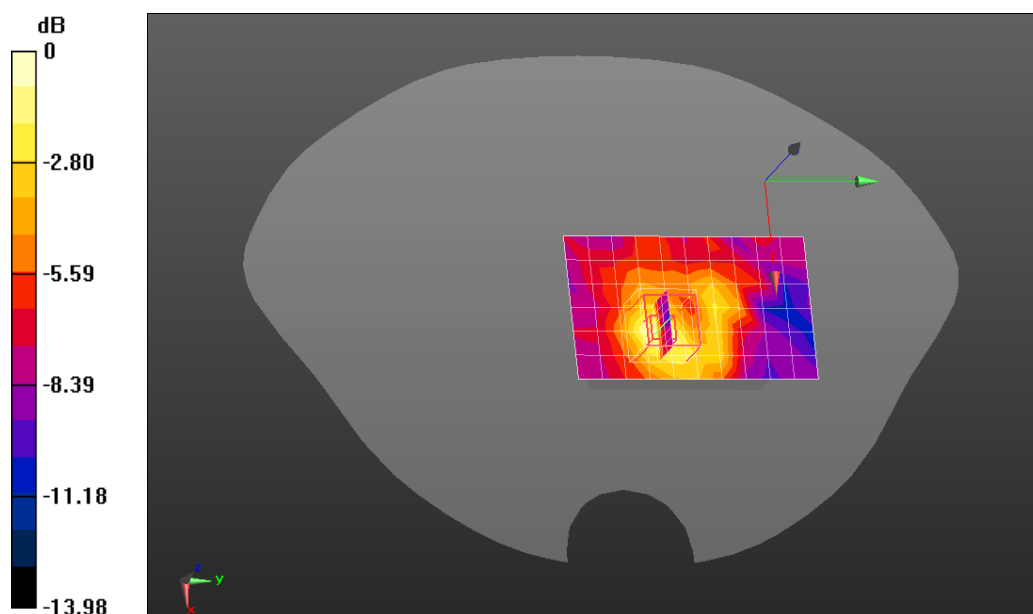
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.336 mW/g

Configuration/5180MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.000 V/m; Power Drift = 0.13 dB**
Peak SAR (extrapolated) = 0.796 mW/g

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.112 mW/g **Maximum value of SAR (measured) = 0.403 mW/g**


0 dB = 0.403 mW/g = -7.89 dB mW/g

SHEMC

15.5.27 5.2GHz Band-Low-Vertical-Up Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Vertical Up

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

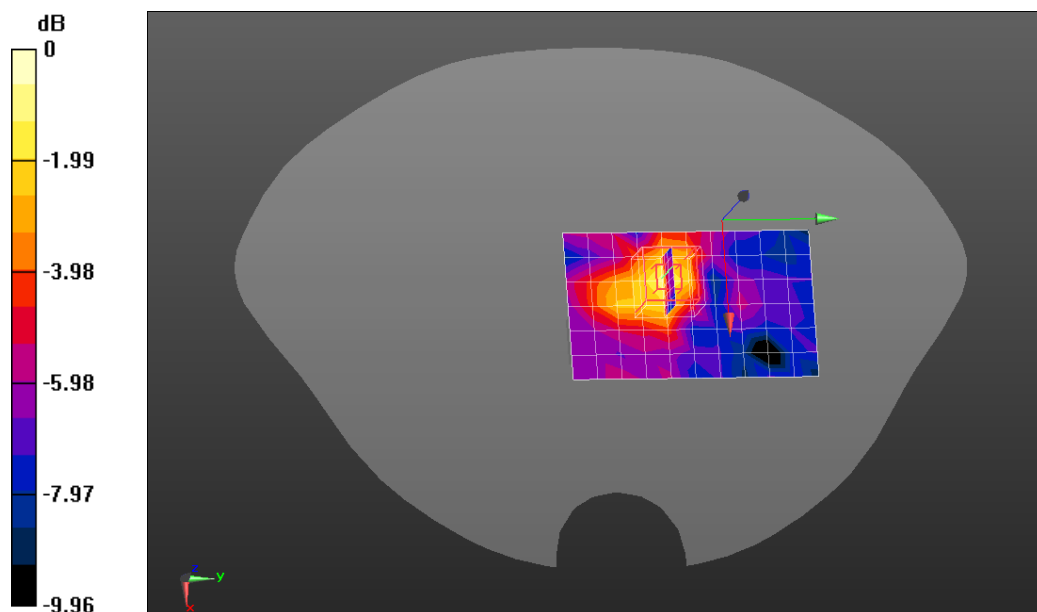
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Vertical Up/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.247 mW/g

Configuration/5180MHz-Vertical Up/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.751 V/m; Power Drift = 0.12 dB**
Peak SAR (extrapolated) = 0.508 mW/g

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.105 mW/g **Maximum value of SAR (measured) = 0.290 mW/g**


0 dB = 0.290 mW/g = -10.75 dB mW/g

SHEMC

15.5.28 5.2GHz Band-Low-Vertical-Down Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Vertical Down

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

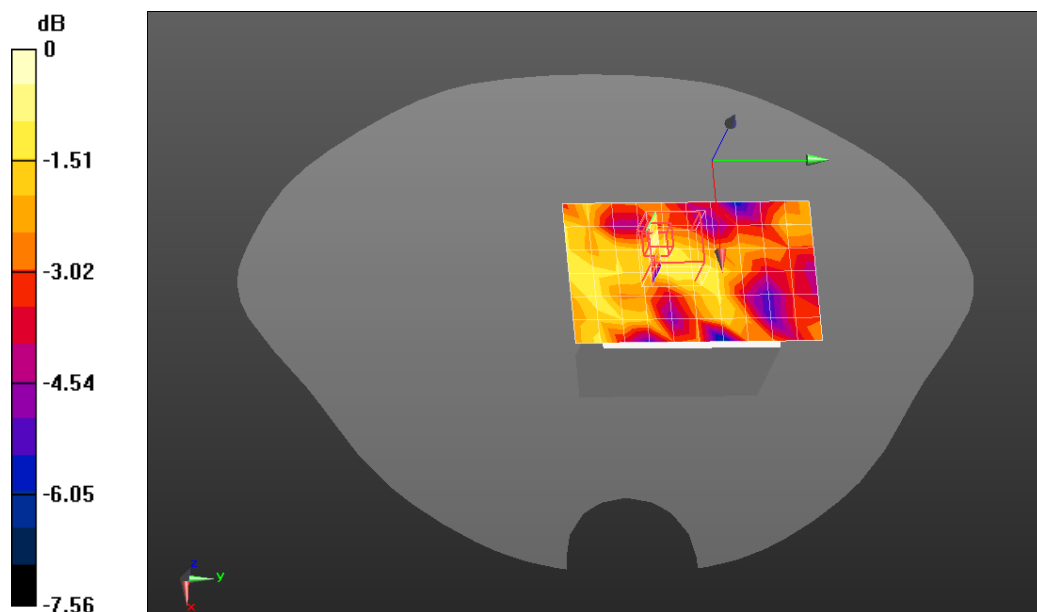
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Vertical Down/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.0781 mW/g

Configuration/5180MHz-Vertical Down/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 3.838 V/m; Power Drift = 0.10 dB**
Peak SAR (extrapolated) = 0.155 mW/g

SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.061 mW/g **Maximum value of SAR (measured) = 0.0970 mW/g**


0 dB = 0.0970 mW/g = -20.26 dB mW/g

SHEMC

15.5.29 5.2GHz Band-Low-Tip Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5180MHz-Tip

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.71$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

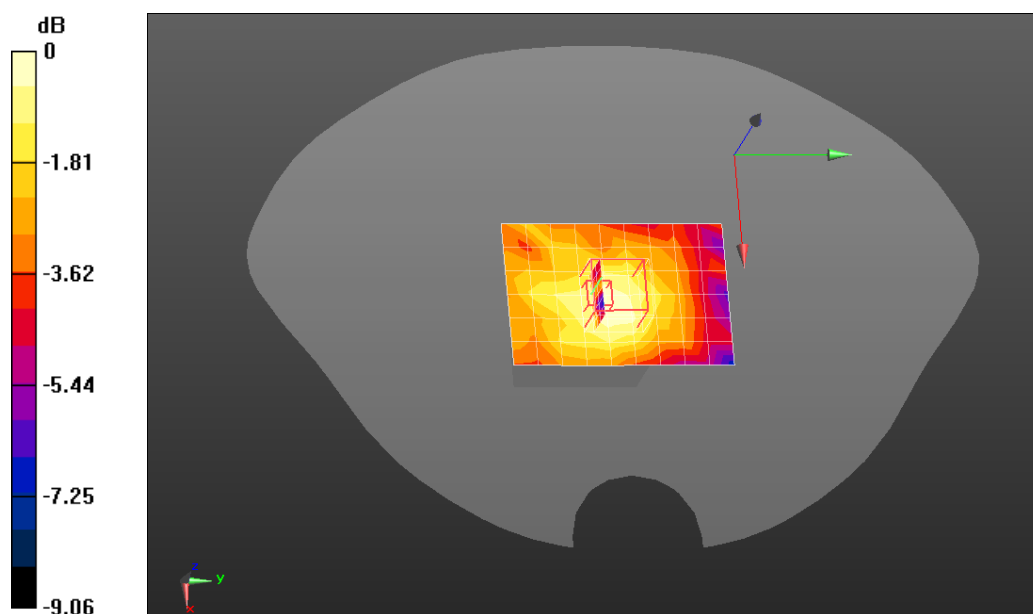
DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5180MHz-Tip/Area Scan (7x10x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.155 mW/g

Configuration/5180MHz-Tip/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 5.065 V/m; Power Drift = -0.17 dB**

Peak SAR (extrapolated) = 0.282 mW/g

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.069 mW/g **Maximum value of SAR (measured) = 0.158 mW/g**


0 dB = 0.158 mW/g = -16.03 dB mW/g

SHEMC

15.5.30 5.2GHz Band-Middle-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5210MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5210 MHz; Medium parameters used: $f = 5210$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.64$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

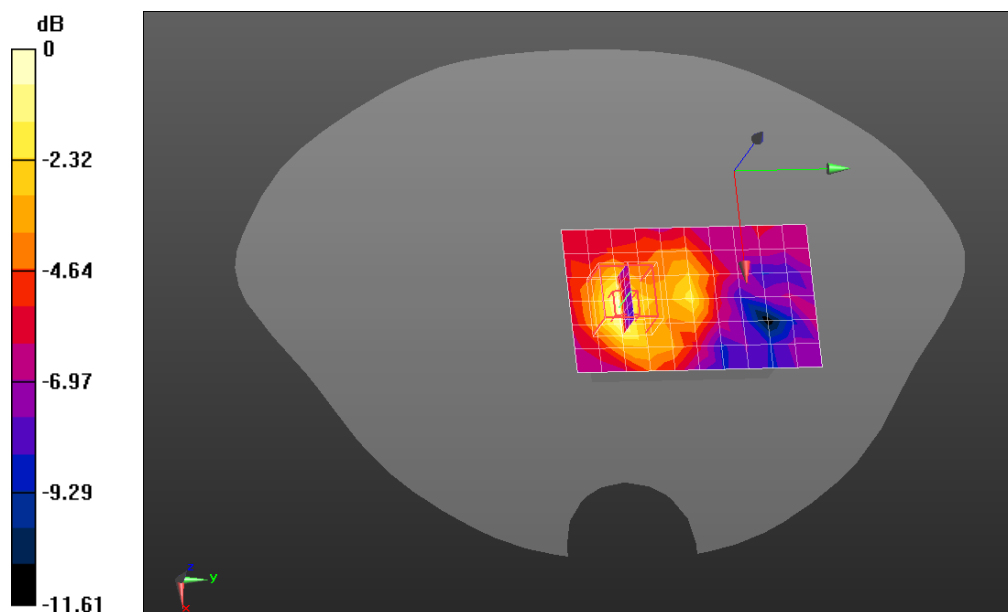
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5210MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.332 mW/g

Configuration/5210MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 6.018 V/m; Power Drift = 0.11 dB**
Peak SAR (extrapolated) = 0.694 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.110 mW/g **Maximum value of SAR (measured) = 0.358 mW/g**


0 dB = 0.358 mW/g = -8.92 dB mW/g

SHEMC

15.5.31 5.2GHz Band-High-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5240MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5240 MHz; Medium parameters used: $f = 5240$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.55$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

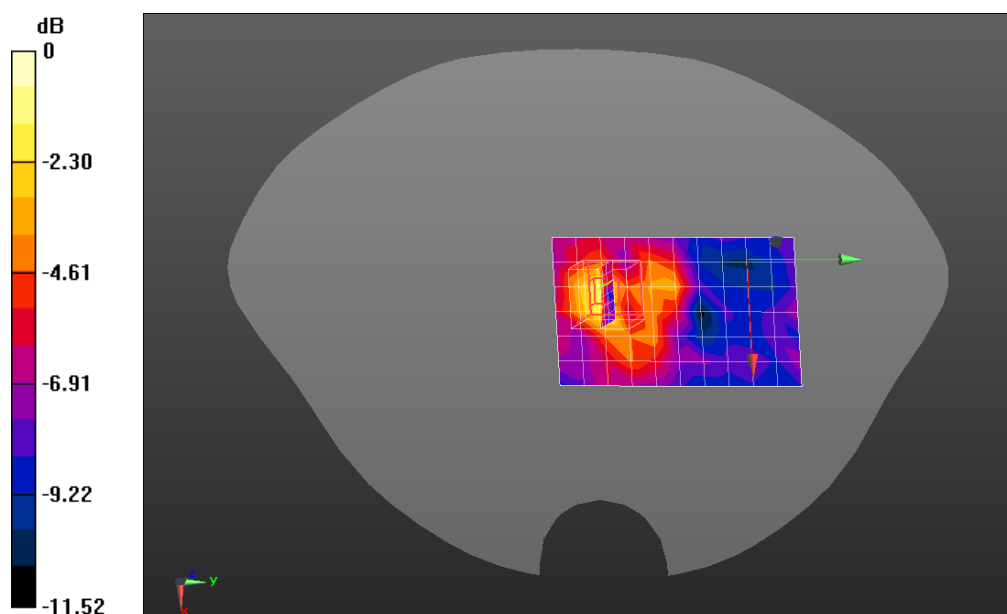
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5240MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.265 mW/g

Configuration/5240MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 5.842 V/m; Power Drift = -0.02 dB**
Peak SAR (extrapolated) = 1.031 mW/g

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.116 mW/g **Maximum value of SAR (measured) = 0.363 mW/g**


0 dB = 0.363 mW/g = -8.80 dB mW/g

SHEMC

15.5.32 5.8GHz Band-Low-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5736MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5736 MHz; Medium parameters used: $f = 5736 \text{ MHz}$; $\sigma = 6.12 \text{ mho/m}$; $\epsilon_r = 47.24$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

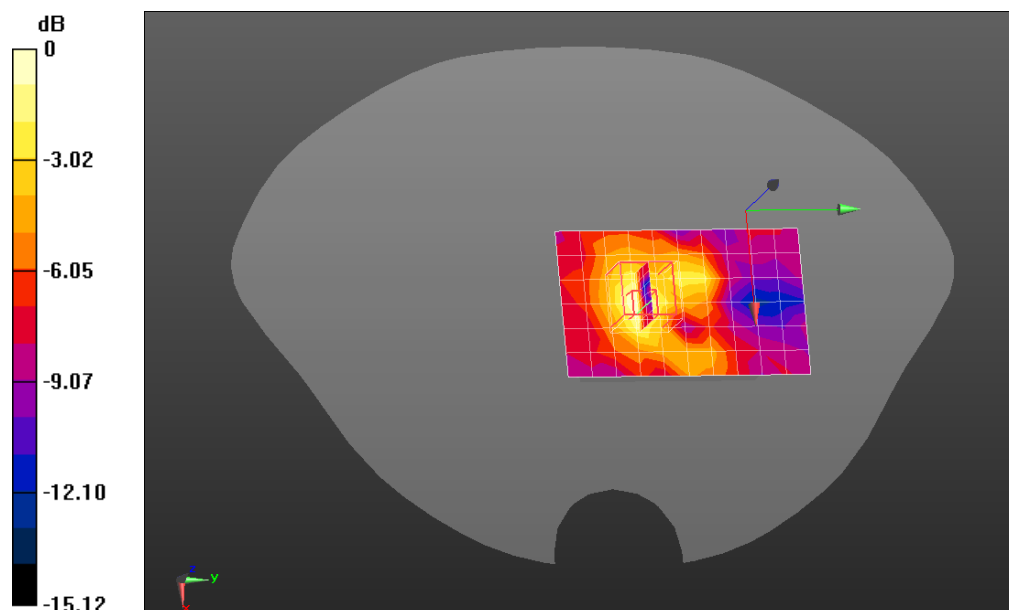
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5736MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.506 mW/g

Configuration/5736MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 4.374 V/m; Power Drift = 0.15 dB**
Peak SAR (extrapolated) = 1.084 mW/g

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.134 mW/g **Maximum value of SAR (measured) = 0.472 mW/g**


0 dB = 0.472 mW/g = -6.52 dB mW/g

SHEMC

15.5.33 5.8GHz Band-Middle-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5762MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5762 MHz; Medium parameters used: $f = 5762$ MHz; $\sigma = 6.19$ mho/m; $\epsilon_r = 47.13$; $\rho = 1000$ kg/m³; Phantom section: Flat Section

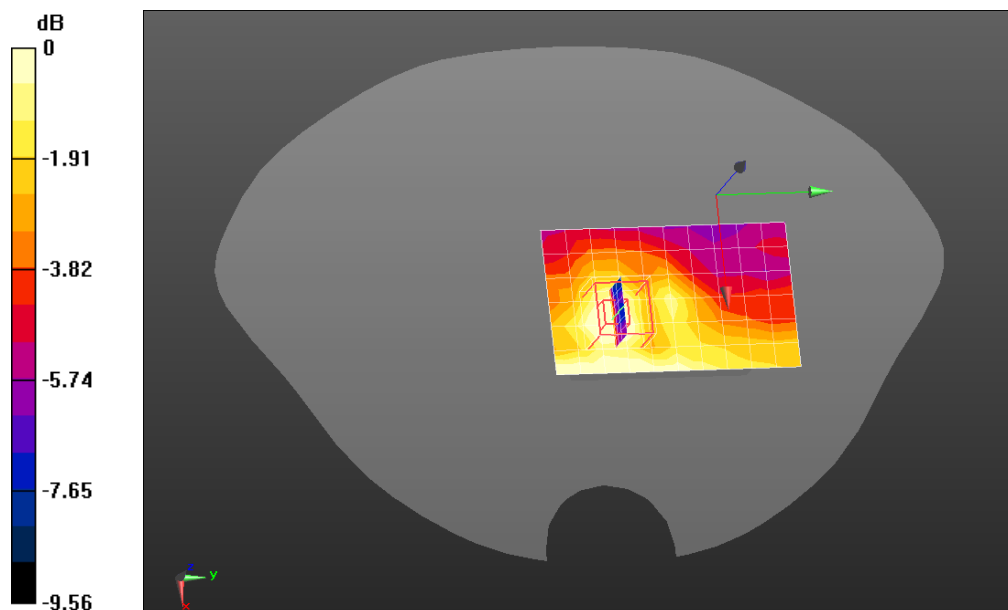
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/5762MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 0.588 mW/g

Configuration/5762MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 5.097 V/m; Power Drift = -0.20 dB**
Peak SAR (extrapolated) = 1.013 mW/g

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.149 mW/g **Maximum value of SAR (measured) = 0.477 mW/g**


0 dB = 0.477 mW/g = -6.43 dB mW/g

SHEMC

15.5.34 5.8GHz Band-High-Horizontal-Back Side

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

5814MHz-Horizontal Back

DUT: USB Dongle; Type: DAC2

Communication System: CW; Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5814 MHz; Medium parameters used: $f = 5814 \text{ MHz}$; $\sigma = 6.29 \text{ mho/m}$; $\epsilon_r = 47.04$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

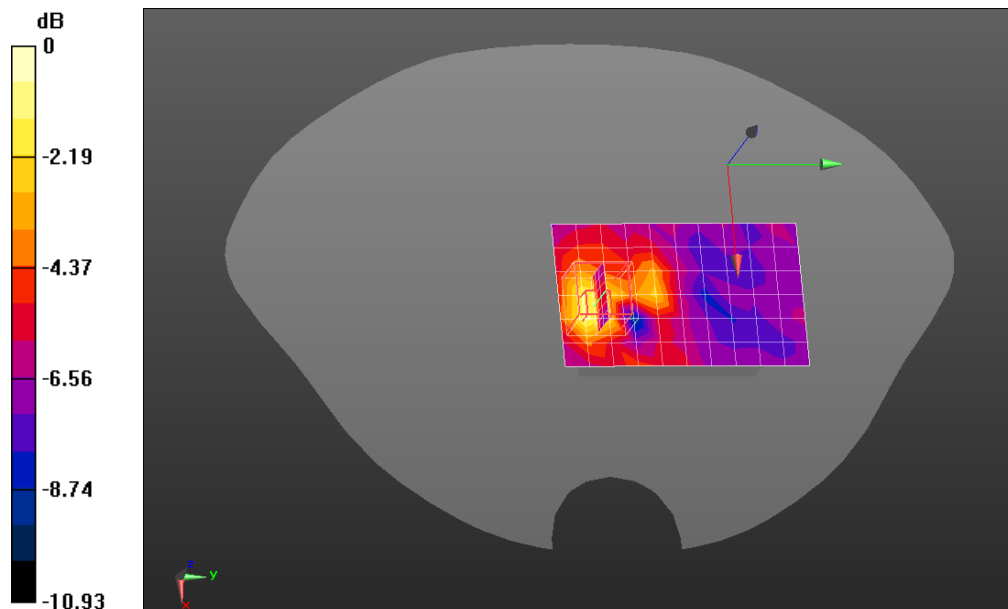
Configuration/5814MHz-Horizontal Back/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**

Maximum value of SAR (measured) = 0.330 mW/g

Configuration/5814MHz-Horizontal Back/Zoom Scan (7x7x5)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm, Reference Value = 6.099 V/m; Power Drift = 0.13 dB**

Peak SAR (extrapolated) = 0.916 mW/g

SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.150 mW/g **Maximum value of SAR (measured) = 0.427 mW/g**



0 dB = 0.427 mW/g = -7.39 dB mW/g

SHEMC

16. Identification of Samples

Product Definition	Production Unit	
Device Type	Portable	
Limit Type	General Population/Uncontrolled	
Product Name	Wireless USB DAC2	
Brand Name	NAD	
Model Name	Wireless USB DAC2 Transmitter	
Power Supply	DC 5V(USB Cable)	
Antenna Type	Inner antenna	
Frequency Bands	2.4GHz Band	2412MHz to 2462MHz
	5.2GHz Band	5180MHz to 5240MHz
	5.8GHz Band	5736MHz to 5814MHz
Modulation Mode	QPSK	
Date of receipt	03-26, 2013	
Date of Testing Start	04-26, 2013	
Date of Testing End	04-28, 2013	

17. Photographs of EUT



Fig.18-1 Front Side of EUT

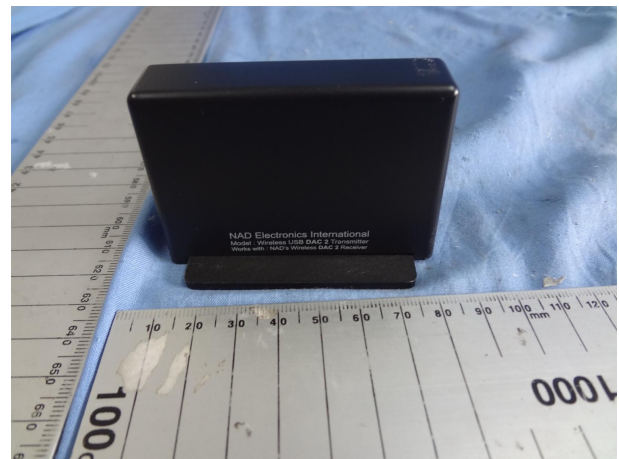


Fig.18-2 Back Side of EUT



Fig.18-3 USB Cable

Annex A Photographs of Test Setup

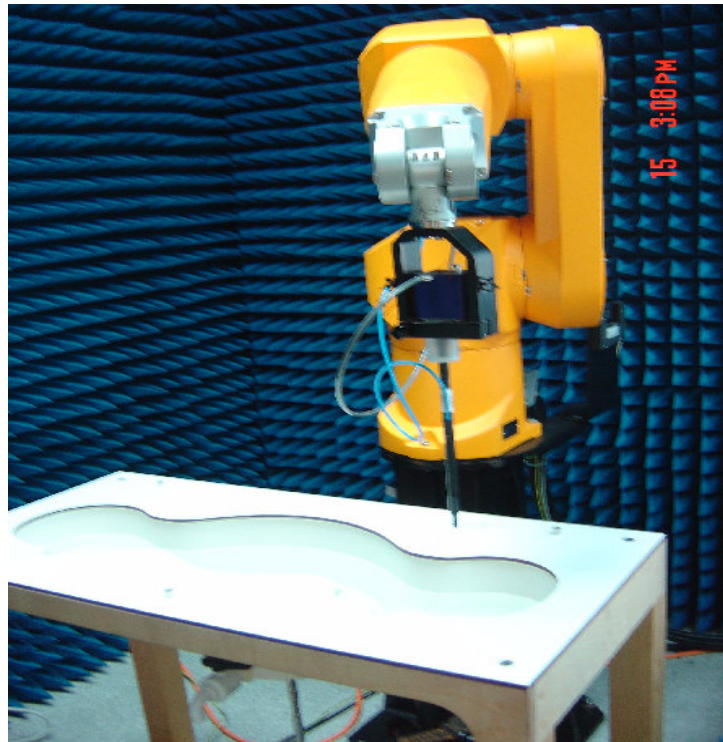


Fig.A-1 Photograph of the SAR measurement System

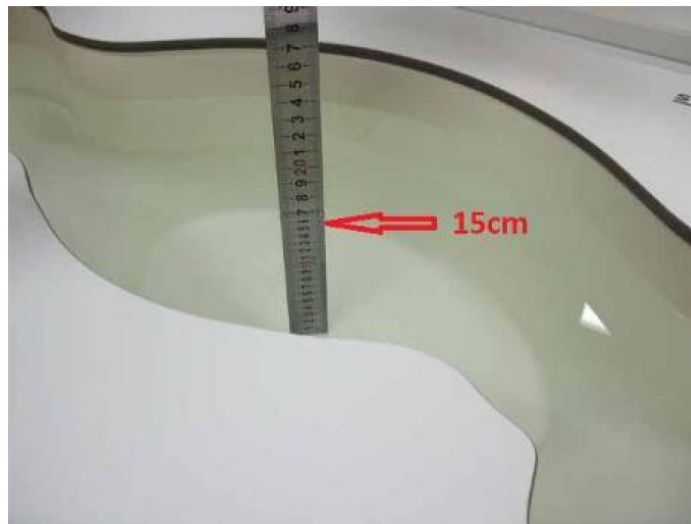


Fig.A-2 Photograph of the Tissue Simulant Liquid depth 15cm for Body Worn

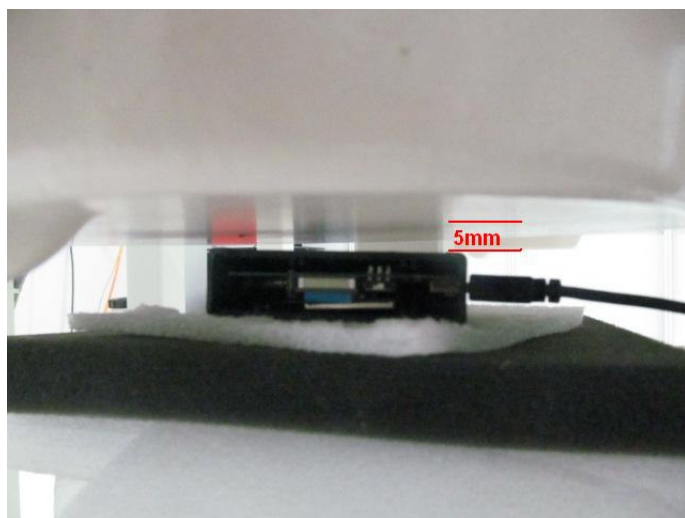


Fig.A-3a Photograph of the Horizontal Up Side status

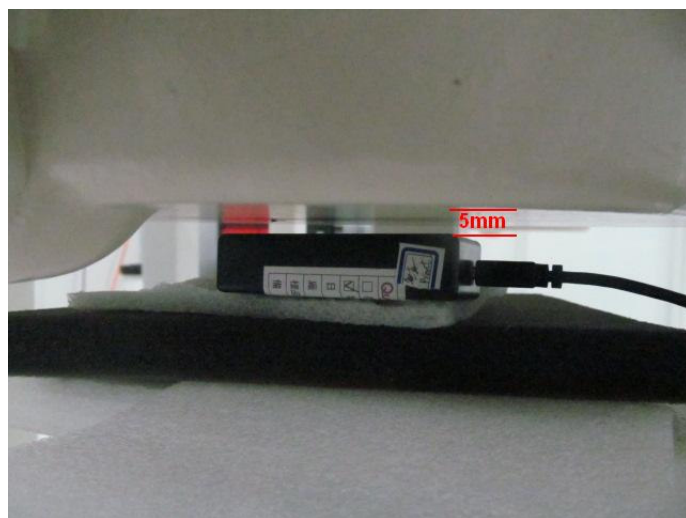


Fig.A-3b Photograph of the Horizontal Down Side status



Fig.A-3c Photograph of the Vertical Front Side status

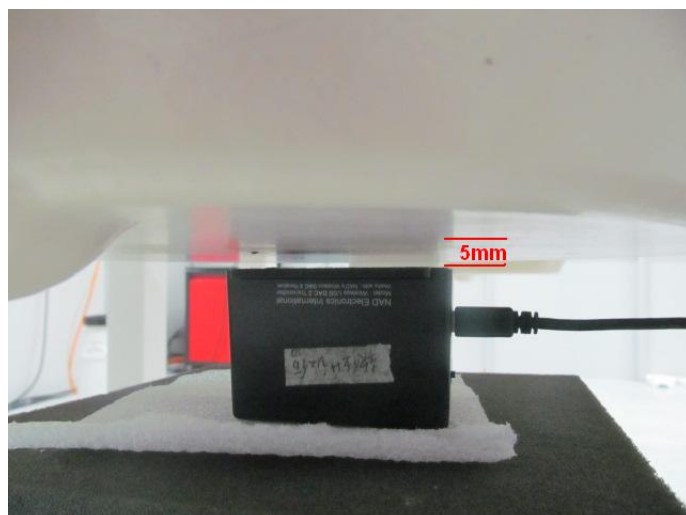


Fig.A-3d Photograph of the Vertical Back Side status

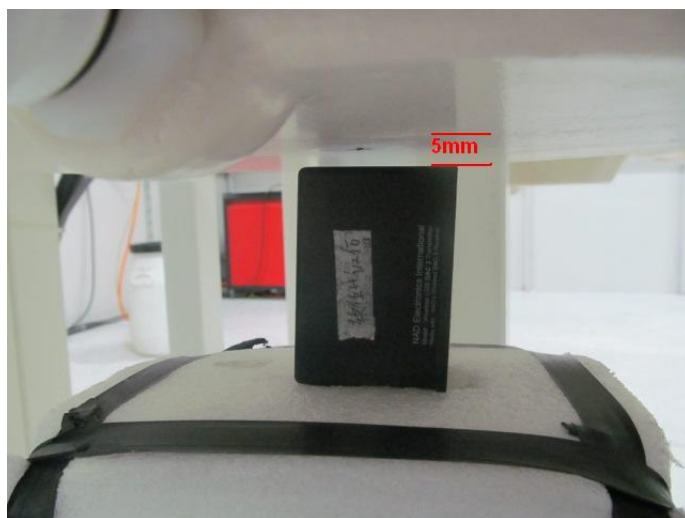


Fig.A-3e Photograph of the Tip Side status

Annex B Tissue Simulant Liquid

Annex B.1 Recipes for Tissue Simulant Liquid

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands.

INGREDIENT (% Weight)	2450MHz Body
Water	62.70
Salt	0.50
Sugar	0.00
HEC	0.00
Preventol	0.00
DGBE	36.80

INGREDIENT (% Weight)	5800MHz Body
Water	75.68
Salt	0.43
Sugar	0.00
HEC	0.00
Preventol	0.00
DGBE	4.42
Triton X-100	19.47

Table B-1 Recipe of Tissue Simulat Liquid

Annex B.2 Measurement for Tissue Simulant Liquid

The dielectric properties for this Tissue Simulant Liquids were measured by using the Agilent Model 85070D Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with Agilent E5071B Network Analyzer (300 KHz-8500 MHz). The Conductivity (σ) and Permittivity (ρ) are listed in Table 1. For the SAR measurement given in this report. The temperature variation of the Tissue Simulant Liquids was $22\pm 2^\circ\text{C}$.

Frequency (MHz)	Tissue Type	Limit/Measured	Permittivity (ρ)	Conductivity (σ)	Temp ($^\circ\text{C}$)
2450	Body	Recommended Limit	$52.7\pm 5\%$ (50.07~55.34)	$1.95\pm 5\%$ (1.85~2.05)	22 ± 2
		Measured, 04-27,2013	52.41	1.99	21.5
5200	Body	Recommended Limit	$49.0\pm 5\%$ (46.55~51.45)	$5.30\pm 5\%$ (5.04~5.56)	22 ± 2
		Measured, 04-27,2013	48.94	5.15	21.6
5800	Body	Recommended Limit	$48.2\pm 5\%$ (45.79~50.61)	$6.00\pm 5\%$ (5.70~6.30)	22 ± 2
		Measured, 04-27,2013	46.27	6.07	21.5

Table B-2 Measurement result of Tissue electric parameters

Annex C SAR System Validation

The microwave circuit arrangement for system verification is sketched in Fig. C-1. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within $\pm 10\%$ from the target SAR values. These tests were done at 835&1900MHz. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the table C-1 (A power level of 250mw was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range 22°C, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

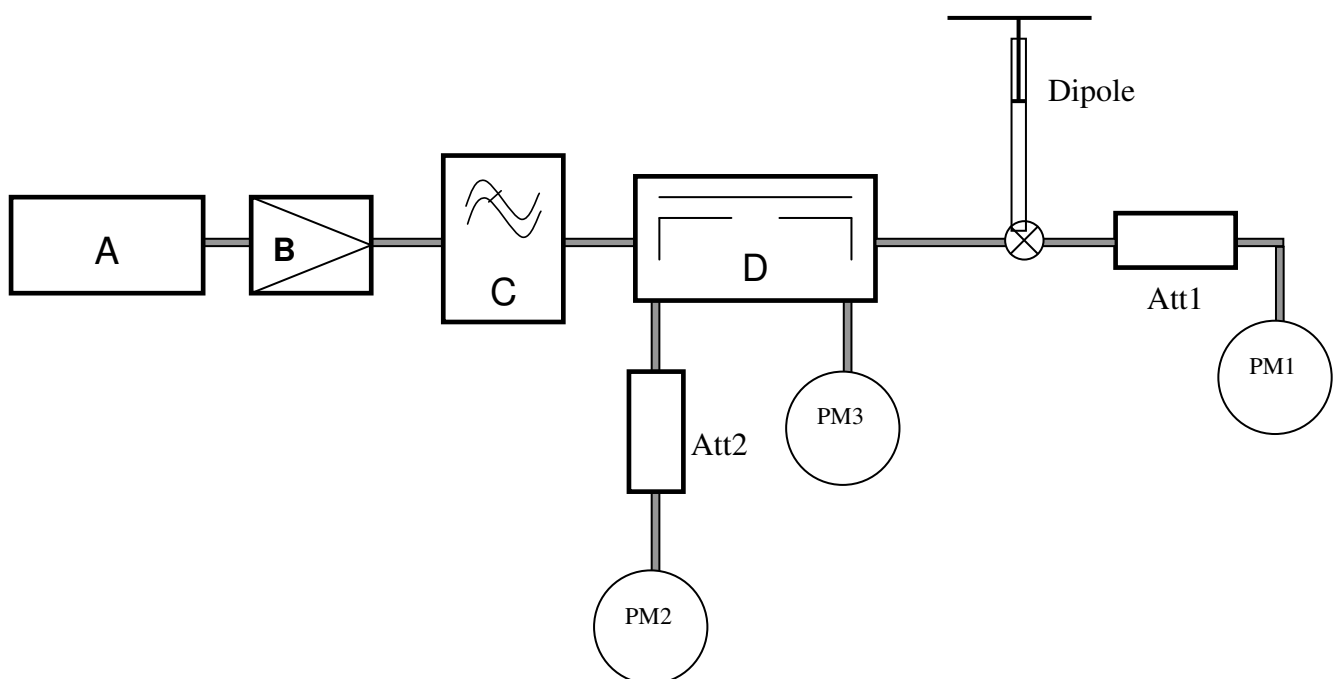


Fig. C-1 the microwave circuit arrangement used for SAR system verification

- A. Agilent E4438C Signal Generator
- B. Mini-Circuit ZHL-42 Preamplifier
- C. Mini-Circuit VLF-2500+ Low Pass Filter
- D. Mini-Circuits ZABDC20-252H-N+ Bi-DIR Coupling
- PM1. Power Sensor NRP-Z92
- PM2. Agilent Model E4416A Power Meter
- PM3. Power Sensor NRP-Z92

Validation Kit	Frequency (MHz)	Tissue Type	Limit/Measurement		
			Condition	Recommended/Measured	1g
D2450V2	2450	Body	Calibration data		12.4
			Normalized to 1W(for nominal Head TSL parameters)	Recommended Limit	48.7±10% (43.83~53.57)
			Normalized to 1W(for nominal Head TSL parameters)	-	52.4
			250mW input power	Measured, 04-27, 2013	13.1
D5GHzV2	5200	Body	Calibration data		7.32
			Normalized to 1W(for nominal Head TSL parameters)	Recommended Limit	73.1±10% (65.79~80.41)
			Normalized to 1W(for nominal Head TSL parameters)	-	77.60
			100mW input power	Measured, 04-27, 2013	7.76
D5GHzV2	5800	Body	Calibration data		7.34
			Normalized to 1W(for nominal Head TSL parameters)	Recommended Limit	73.5±10% (66.15-80.85)
			Normalized to 1W(for nominal Head TSL parameters)	-	72.10
			100mW input power	Measured, 04-27, 2013	7.21

Table C-1 SAR System Validation Result

System Validation for 2450MHz-Body

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

System Check Body 2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

Communication System: CW; Communication System Band: Exported from older format (data unavailable - please correct).; Duty Cycle: 1:1; Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.41$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Input Power=250mW

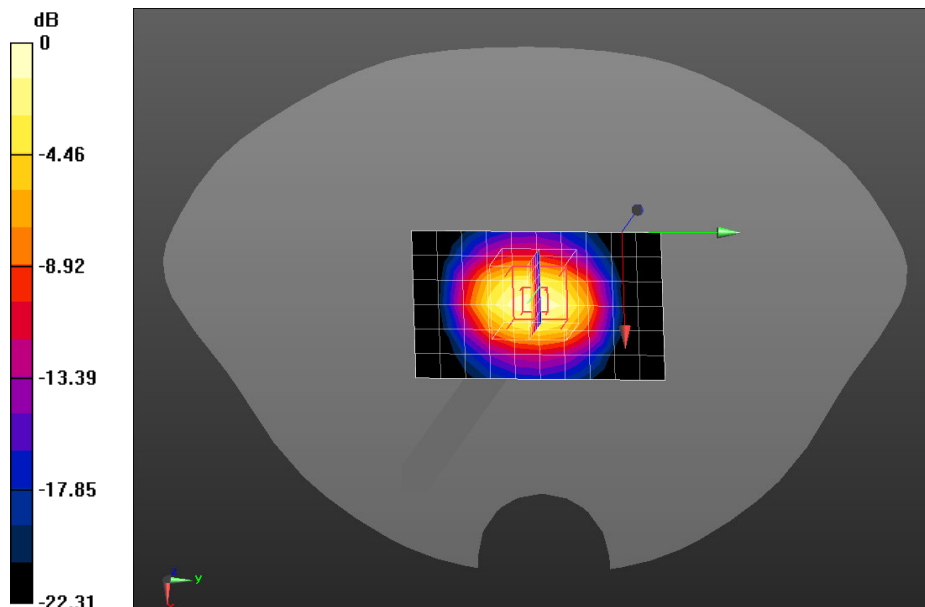
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/Body 2450MHz/Area Scan (7x11x1): **Measurement grid: dx=10mm, dy=10mm**
Maximum value of SAR (measured) = 14.9 mW/g

Configuration/Body 2450MHz/Zoom Scan (7x7x7)/Cube 0: **Measurement grid: dx=5mm, dy=5mm, dz=5mm,**
Reference Value = 86.507 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 27.130 mW/g

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.05 mW/g **Maximum value of SAR (measured) = 15.1 mW/g**


0 dB = 15.1 mW/g = 23.58 dB mW/g

SHEMC

System Validation for 5200MHz-Body

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

System Check Body 5200MHz

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: CW; Communication System Band: 5GHz; Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.15 \text{ mho/m}$; $\epsilon_r = 48.94$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ; Input Power=100mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.32, 4.32, 4.32); Calibrated: 27/03/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/Body 5200MHz/Area Scan (5x8x1): **Measurement grid: dx=10mm, dy=10mm**

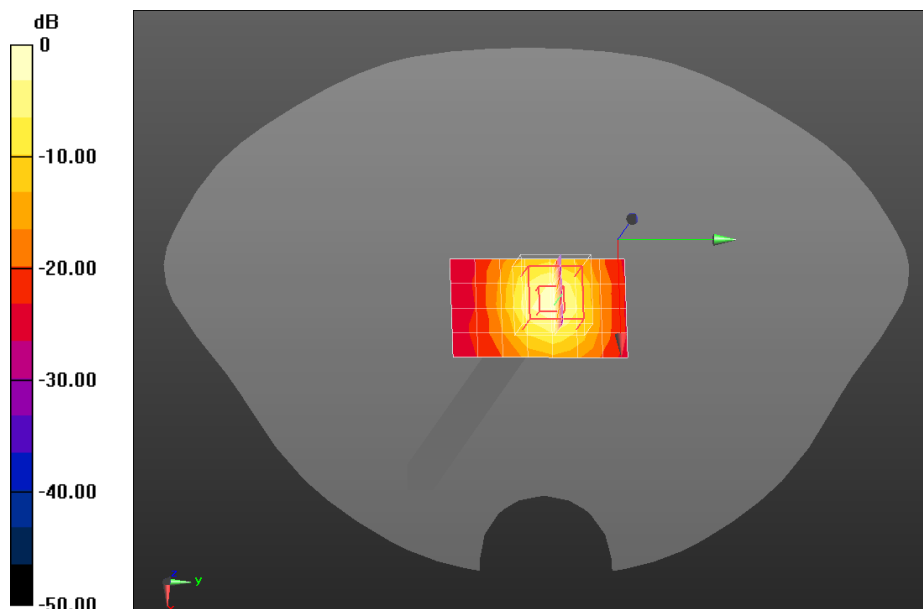
Maximum value of SAR (measured) = 15.6 mW/g

Configuration/Body 5200MHz/Zoom Scan (8x8x10)/Cube 0: **Measurement grid: dx=4mm, dy=4mm, dz=2.5mm,**

Reference Value = 38.204 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 30.843 mW/g

SAR(1 g) = 8.06 mW/g; SAR(10 g) = 2.28 mW/g **Maximum value of SAR (measured) = 16.0 mW/g**



0 dB = 16.0 mW/g = 24.08 dB mW/g

SHEMC

System Validation for 5800MHz-Body

Date/Time: 27-04-2013

Test Laboratory: QuieTek Lab

System Check Body 5800MHz

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: CW; Communication System Band: ITD5500 (5000.0 - 5900.0 MHz); Duty Cycle: 1:1;

Frequency: 5800 MHz; Medium parameters used: $f = 5800$ MHz; $\sigma = 6.07$ mho/m; $\epsilon_r = 46.27$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Input Power=100mW

Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.05, 4.05, 4.05); Calibrated: 27/03/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 24/01/2013
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Configuration/Body 5800MHz/Area Scan (6x6x1): **Measurement grid: dx=10mm, dy=10mm**

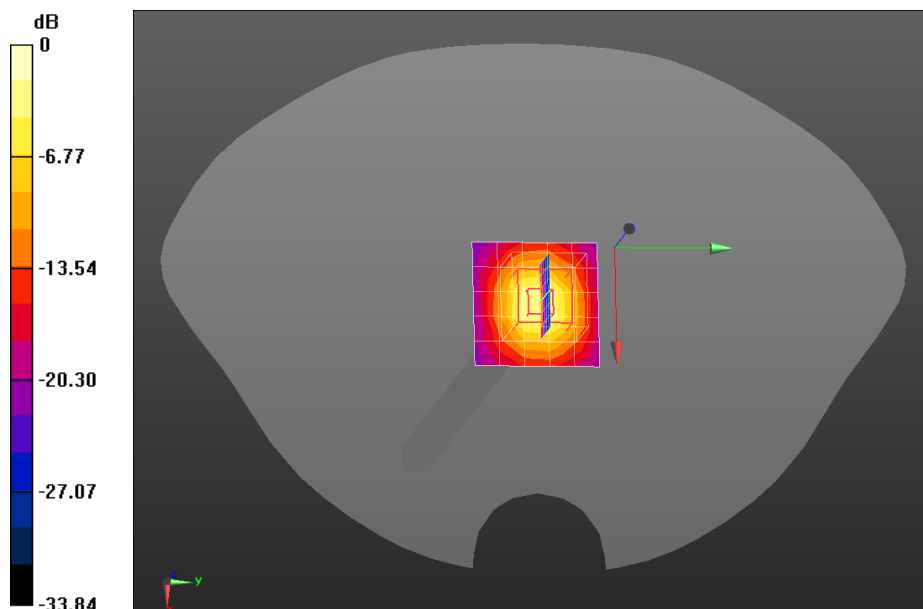
Maximum value of SAR (measured) = 5.99 mW/g

Configuration/Body 5800MHz/Zoom Scan (7x7x7)/Cube 0: **Measurement grid: dx=5mm, dy=5mm, dz=5mm,**

Reference Value = 39.566 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 24.111 mW/g

SAR(1 g) = 7.21 mW/g; SAR(10 g) = 2.1 mW/g **Maximum value of SAR (measured) = 9.19 mW/g**



0 dB = 9.19 mW/g = 19.27 dB mW/g

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Annex D Calibration certificate**Annex D.1 Probe Calibration certificate**

Please Reference < Annex D-1 probe3710>

Annex D.2 DAE Calibration certification

Please Reference < Annex D-2 DAE>

Annex D.3 Dipole Calibration certification

Please Reference < Annex D-3 D2450V2 sn839> and < Annex D-4 D5GHzV2 sn1078>

END OF REPORT

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