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CNAS L5313



SAR Test Report

Product Name : AC1900 High Gain Wireless Dual
Band USB Adapter

Model No. : Archer T9UH

FCC ID : TE7T9UH

Applicant : TP-LINK TECHNOLOGIES CO., LTD.

Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4)
Central Science and Technology Park,Shennan Rd,
Nanshan, Shenzhen, China

Date of Receipt : Aug. 01, 2016

Test Date : Sep. 14, 2016~ Sep. 23, 2016

Issued Date : Sep. 30, 2016

Report No. : 1682009R-HP-US-P03V01

Report Version : V1.2

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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Test Report Certification

Issued Date: Sep. 30, 2016

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Product Name : AC1900 High Gain Wireless Dual Band USB Adapter
Applicant : TP-LINK TECHNOLOGIES CO., LTD.
Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer : TP-LINK TECHNOLOGIES CO., LTD.
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FCC ID : TE7T9UH
Model No. : Archer T9UH
Brand Name : TP-LINK
EUT Voltage : DC 5V
Applicable Standard : FCC KDB Publication 248227 D01v02r02
FCC KDB Publication 447498 D01v06
FCC KDB Publication 447498 D02v02r01
FCC KDB Publication 865664 D01v01r04
IEEE Std. 1528-2013
FCC 47CFR §2.1093
ANSI C95.1-2005
Test Result : Max. SAR Measurement (1g)
802.11a: **1.170** W/kg
Performed Location : Suzhou EMC Laboratory
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Jiangsu, China
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
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Taiwan R.O.C.	:	BSMI, NCC, TAF
USA	:	FCC
Japan	:	VCCI
China	:	CNAS

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The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :
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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1682009R-HP-US-P03V01	V1.0	Initial Issued Report	Sep. 23, 2016
1682009R-HP-US-P03V01	V1.1	Modified the data rate	Sep. 30, 2016
1682009R-HP-US-P03V01	V1.2	Modified the Directional gain.	Sep. 30, 2016

1. General Information

1.1. EUT Description

Product Name	AC1900 High Gain Wireless Dual Band USB Adapter
Brand Name	TP-LINK
Model No.	Archer T9UH
EUT Voltage	DC 5V
Frequency Range	For 2.4GHz Band 802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz): 2422~2452MHz For 5GHz Band 802.11a/n/ac(20MHz): 5180~5320MHz, 5500~5580MHz, 5660~5700MHz, 5745~5825MHz 802.11n/ac(40MHz): 5190~5310MHz, 5510~5550MHz, 5670MHz, 5755~5795MHz 802.11ac(80MHz):5210MHz,5290MHz,5530MHz,5775MHz
Channel Number	For 2.4GHz Band 802.11b/g/n(20MHz): 11 802.11n(40MHz): 7 For 5GHz Band 802.11a/n/ac(20MHz): 21 802.11n/ac(40MHz): 9 802.11ac(80MHz): 4
Type of Modulation	802.11b: DSSS 802.11a/b/g/n/ac: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 450 Mbps for 5GHz Tx 802.11n: up to 400 Mbps for 2.4GHz Tx 802.11ac: up to 1.3 Gbps for Tx
Channel Control	Auto
Antenna Delivery	2*Tx + 3*Rx for 2.4GHz 3*Tx + 4*Rx for 5GHz
Antenna Type	Reference to Antenna List
Peak Antenna Gain	Reference to Antenna List

For 2.4GHz Band

802.11b/g/n(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz	N/A	N/A

For 5.0GHz Band

802.11a/n(20MHz)/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580MHz	132	5660 MHz	136	5680 MHz	140	5700 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n(40MHz)/ac(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	134	5670 MHz	151	5755 MHz
159	5795 MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	155	5775 MHz

Antenna List

For 2.4GHz Band:

Model No.	N/A								
Antenna manufacturer	TP-LINK								
Antenna Delivery	☒ 1*TX+1*RX	☐ 2*TX+2*RX	☒ 2*TX+3*RX						
Antenna technology	☒ SISO ☐ MIMO <table> <tr> <td>☒ Basic</td></tr> <tr> <td>☐ CDD</td></tr> <tr> <td>☐ Beam-forming</td></tr> </table>					☒ Basic	☐ CDD	☐ Beam-forming	
☒ Basic									
☐ CDD									
☐ Beam-forming									
Antenna Type	☐ External <table> <tr> <td>☐ Dipole</td></tr> <tr> <td>☒ PIFA</td></tr> <tr> <td>☐ PCB</td></tr> <tr> <td>☐ Ceramic Chip Antenna</td></tr> </table> ☒ Internal					☐ Dipole	☒ PIFA	☐ PCB	☐ Ceramic Chip Antenna
☐ Dipole									
☒ PIFA									
☐ PCB									
☐ Ceramic Chip Antenna									
Antenna Gain	3.0dBi for each antenna								
Directional Gain	3.0dBi								

For 5GHz Band:

Model No.	N/A				
Antenna manufacturer	TP-LINK				
Antenna Delivery	☒ 1*TX+1*RX	☐ 2*TX+2*RX	☒ 3*TX+4*RX		

Antenna technology	☒	SISO		
	☒	MIMO	☒	Basic
			☐	CDD
			☐	Beam-forming
Antenna Type	☐	External	☐	Dipole
	☒	Internal	☒	PIFA
			☐	PCB
			☐	Ceramic Chip Antenna
Antenna Gain		4.0dBi for each antenna		
Directional Gain		4.0dBi		

Power Parameter Value of the test software

Test Software	Power setting		
Modulation Mode	Test Frequency	Ant 1	Ant 2
802.11b	2412	32	33
	2437	31	32
	2462	31	32
802.11g	2412	37	41
	2437	37	40
	2462	37	39
802.11n(20MHz)	2412	36	36
	2437	36	36
	2462	36	36
802.11n(40MHz)	2422	36	36
	2437	37	37
	2452	36	36

Test Mode	Test Channel	Power Setting		
		Ant 1	Ant 2	Ant 3
802.11a	5180	37	35	33
	5200	37	35	33
	5240	37	35	33
	5260	37	44	37
	5300	37	44	37
	5320	37	44	37
	5500	34	26	30
	5580	34	26	30
	5700	34	26	30
	5745	40	36	40
	5785	40	36	40
	5825	40	36	40
802.11n(20MHz)	5180	34	41	31
	5200	34	41	31
	5240	34	41	31
	5260	34	38	32
	5300	34	38	32
	5320	34	38	32
	5500	31	26	30
	5580	31	26	30
	5700	31	26	30
	5745	37	40	39
	5785	37	40	39
	5825	37	40	39
802.11n(40MHz)	5190	36	43	32
	5230	36	43	32
	5270	38	42	36
	5310	38	42	36
	5510	32	29	31
	5550	32	29	31
	5670	32	29	31
	5755	39	40	41
	5795	39	40	41

802.11ac(20MHz)	5180	37	44	34
	5200	37	44	34
	5240	37	44	34
	5260	36	40	34
	5300	36	40	34
	5320	36	40	34
	5500	30	25	29
	5580	30	25	29
	5700	30	25	29
	5745	41	44	43
	5785	41	44	43
	5825	41	44	43
802.11ac(40MHz)	5190	37	44	34
	5230	37	44	34
	5270	38	42	36
	5310	38	42	36
	5510	34	31	33
	5550	34	31	33
	5670	34	31	33
	5755	40	42	41
	5795	40	42	41
802.11ac(80MHz)	5210	37	43	33
	5290	38	42	35
	5530	32	26	29
	5775	40	42	40

The test mode of the test software can support.

For 2.4GHz

Test Mode	Ant 1	Ant 2	Ant 1+2
802.11b	√	√	×
802.11g	√	√	×
802.11n(20MHz)	×	×	√
802.11n(40MHz)	×	×	√

For 5GHz

Test Mode	Ant 1	Ant 2	Ant 3	Ant 1+2+3
802.11a	√	√	√	×
802.11n(20MHz)	×	×	×	√
802.11n(40MHz)	×	×	×	√
802.11ac(20MHz)	×	×	×	√
802.11ac(40MHz)	×	×	×	√
802.11ac(80MHz)	×	×	×	√

1.2. Test Environment

Ambient conditions in the laboratory:

Items	Required	Actual
Temperature (°C)	18-25	21.5± 2
Humidity (%RH)	30-70	52

1.3. Power Reduction for SAR

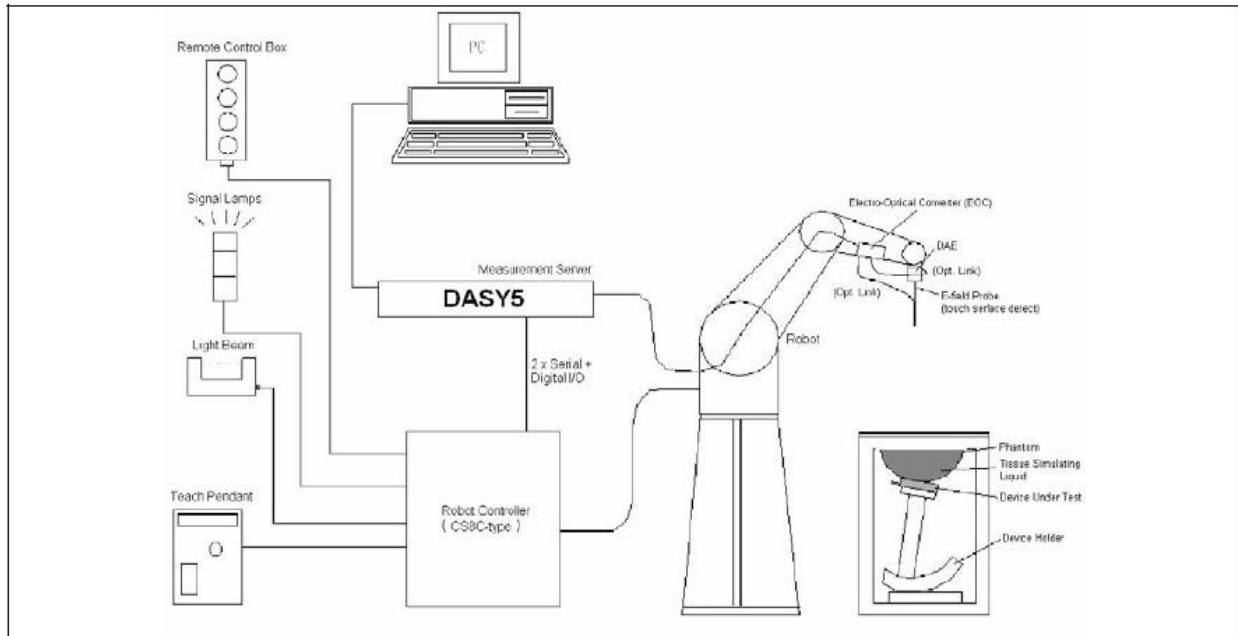
There is no power reduction used for any band/mode implemented in this device for SAR purposes.

1.4. Guidance Documents

- 1) FCC KDB Publication 447498 D01v06 (General SAR Guidance)
- 2) FCC KDB Publication 447498 D02v02r01 (SAR Measurement Procedures for USB Dongle Transmitters)
- 3) FCC KDB Publication 865664 D01v01r04(SAR measurement 100 MHz to 6 GHz)
- 4) FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- 5) RSS 102 Issue5 Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)
- 6) IEEE Std. 1528-2013 (IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques)
- 7) IEC 62209-2: 2010 (Human exposure to radio frequency fields from hand- held and bodymounted wireless communication devices — Human models, instrumentation, and procedures)
- 8) FCC 47CFR §2.1093 Radiofrequency radiation exposure evaluation: portable devices
- 9) ANSI C95.1-2005 - IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz

2. SAR Measurement System

2.1. DASY5 System Description



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

- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- A 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 from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

2.1.1. Applications

Predefined procedures and evaluations for automated compliance testing with all worldwide standards, e.g., IEEE 1528, OET 65, IEC 62209-1, IEC 62209-2, EN 50360, EN 50383 and others.

2.1.2. Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 10mm^2 step integral, with 1mm interpolation used to locate the peak SAR area used for zoom scan assessments.

When an Area Scan has measured all reachable points, it computes the field maxima found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE 1528-2003, EN 50361 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan).

2.1.3. Zoom Scan (Cube Scan Averaging)

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. A density of 1000 kg/m^3 is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1 g cube is 10mm, with the side length of the 10 g cube 21,5mm.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications utilize a physical step of $7\times 7\times 7$ (5mmx5mmx5mm) providing a volume of 30mm in the X & Y axis, and 30mm in the Z axis.

2.1.4. Uncertainty of Inter-/Extrapolation and Averaging

In order to evaluate the uncertainty of the interpolation, extrapolation and averaged SAR calculation algorithms of the Postprocessor, DASY5 allows the generation of measurement grids which are artificially predefined by analytically based test functions. Therefore, the grids of area scans and zoom scans can be filled with uncertainty test data, according to the SAR benchmark functions of IEEE 1528. The three analytical functions shown in equations as below are used to describe the possible range of the expected SAR distributions for the tested handsets. The field gradients are covered by the spatially flat distribution f1, the spatially steep distribution f3 and f2 accounts for H-field cancellation on the phantom/tissue surface.

$$\begin{aligned}
 f_1(x, y, z) &= A e^{-\frac{z}{2a}} \cos^2 \left(\frac{\pi \sqrt{x'^2 + y'^2}}{2 \cdot 5a} \right) \\
 f_2(x, y, z) &= A e^{-\frac{z}{a}} \frac{a^2}{a^2 + x'^2} \left(3 - e^{-\frac{2z}{a}} \right) \cos^2 \left(\frac{\pi y'}{2 \cdot 3a} \right) \\
 f_3(x, y, z) &= A \frac{a^2}{\frac{a^2}{4} + x'^2 + y'^2} \left(e^{-\frac{2z}{a}} + \frac{a^2}{2(a + 2z)^2} \right)
 \end{aligned}$$

2.2. DASY5 E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SPEAG. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.

SPEAG conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528, EN 62209-1, IEC 62209, etc.) under ISO 17025. The calibration data are in Appendix D.

2.2.1. Isotropic E-Field Probe Specification

Model	EX3DV4	
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μ W/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

2.3. Boundary Detection Unit and Probe Mounting Device

The DASY probes use a precise connector and an additional holder for the probe, consisting of a plastic tube and a flexible silicon ring to center the probe. The connector at the DAE is flexibly mounted and held in the default position with magnets and springs. Two switching systems in the connector mount detect frontal and lateral probe collisions and trigger the necessary software response.



2.4. DATA Acquisition Electronics (DAE) and Measurement Server

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit.

Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE4 is 200M Ohm; the inputs are symmetrical and floating. Common mode rejection is above 80dB.



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



2.5. Robot

The DASY5 system uses the high precision robots TX90 XL type out of the newer series from Stäubli SA (France). For the 6-axis controller DASY5 system, the CS8C robot controller version from Stäubli is used.

The XL robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)
- 6-axis controller



2.6. Light Beam Unit

The light beam switch allows automatic "tooling" of the probe. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip.

The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.



2.7. Device Holder

The DASY5 device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR).

Thus the device needs no repositioning when changing the angles.

The DASY5 device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon_r \approx 3$ and loss tangent $\delta = 0.02$. 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.



2.8. 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 head
- Right head
- Flat phantom



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

3. Tissue Simulating Liquid

3.1. The composition of the tissue simulating liquid

INGREDIENT (% Weight)	2450MHz Body	5250MHz Body	5600MHz Body	5750MHz Body
Water	73.2	75.68	75.68	75.68
Salt	0.04	0.43	0.43	0.43
Sugar	0.00	0.00	0.00	0.00
HEC	0.00	0.00	0.00	0.00
Preventol	0.00	0.00	0.00	0.00
DGBE	26.7	4.42	4.42	4.42
Triton X-100	0.00	19.47	19.47	19.47

3.2. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using DASY5 Dielectric Probe Kit and Agilent Vector Network Analyzer E5071C

For FCC:

Body Tissue Simulant Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
2450MHz	Reference result ± 5% window	52.7 50.07 to 55.34	1.95 1.85 to 2.05	N/A
	09-20-2016	47.42	5.32	21.0
5250MHz	Reference result ± 5% window	49.0 46.55 to 51.45	5.36 5.09 to 5.63	N/A
	09-20-2016	47.42	5.32	21.0
5600MHz	Reference result ± 5% window	48.5 46.10 to 50.90	5.77 5.48 to 6.06	N/A
	09-20-2016	48.47	5.80	21.0
5750MHz	Reference result ± 5% window	48.3 45.86 to 50.69	5.94 5.65 to 6.24	N/A
	09-20-2016	48.63	6.05	21.0

3.3. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. 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 described in Reference [12] and extrapolated according to the head parameters specified in P1528.

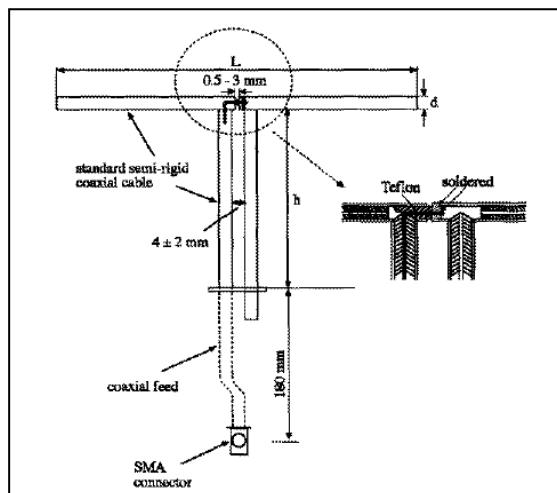
Target Frequency	Head		Body	
(MHz)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 – 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

(ϵ_r = relative permittivity, σ = conductivity and $\rho = 1000 \text{ kg/m}^3$)

4. SAR Measurement Procedure

4.1. SAR System Validation

4.1.1. Validation Dipoles



The dipoles used is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of both IEEE and FCC Supplement C. the table below provides details for the mechanical and electrical specifications for the dipoles.

Frequency	L (mm)	h (mm)	d (mm)
2450MHz	53.5	30.4	3.6
5250MHz	20.6	14.2	3.6
5600MHz	20.6	14.2	3.6
5750MHz	20.6	14.2	3.6

4.1.2. Validation Result

System Performance Check at 2450MHz, 5200MHz, 5300 MHz, 5500MHz, 5600 MHz and 5800MHz for Body				
Validation Dipole: D2450V2, SN: 839				
2450 MHz	Reference result ± 10% window	49.8 44.82 to 54.78	23.3 20.97 to 25.63	N/A
	09-20-2016	46.8	21.2	21.0
Validation Dipole: D5GHzV2, SN: 1203				
5250 MHz	Reference result ± 10% window	73.7 66.33 to 81.07	20.8 18.72 to 22.88	N/A
	09-20-2016	78.7	20.4	21.0
Validation Dipole: D5GHzV2, SN: 1203				
5600 MHz	Reference result ± 10% window	78.8 70.92 to 86.68	22.3 20.07 to 24.53	N/A
	09-20-2016	81.1	21.5	21.0
Validation Dipole: D5GHzV2, SN: 1203				

5750 MHz	Reference result ± 10% window	75.2 67.68 to 82.72	21.1 18.99 to 23.21	N/A
	09-20-2016	75.7	20.9	21.0
Note: All SAR values are normalized to 1W forward power.				

4.2. SAR Measurement Procedure

The DASY 5 calculates SAR using the following equation,

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

σ : represents the simulated tissue conductivity

ρ : represents the tissue density

The EUT is set to transmit at the required power in line with product specification, at each frequency relating to the LOW, MID, and HIGH channel settings.

Pre-scans are made on the device to establish the location for the transmitting antenna, using a large area scan in either air or tissue simulation fluid.

The EUT is placed against the Universal Phantom where the maximum area scan dimensions are larger than the physical size of the resonating antenna. When the scan size is not large enough to cover the peak SAR distribution, it is modified by either extending the area scan size in both the X and Y directions, or the device is shifted within the predefined area.

The area scan is then run to establish the peak SAR location (interpolated resolution set at 1mm^2) which is then used to orient the center of the zoom scan. The zoom scan is then executed and the 1g and 10g averages are derived from the zoom scan volume (interpolated resolution set at 1mm^3).

4.3. SAR Measurement Conditions for 802.11 Device

4.3.1. Duty Factor Control

Unless it is permitted by specific KDB procedures or continuous transmission is specifically restricted by the device, the reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

4.3.2. Initial Test Position SAR Test Reduction Procedure

DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.¹⁶ The initial test position procedure is described in the following:

When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other (remaining) test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band. SAR is also not required for that exposure configuration in the subsequent test configuration(s).

a) When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

b) For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. Additional power measurements may be required for this step, which should be limited to those necessary for identifying the subsequent highest output power channels.

5. SAR Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, FCC Supplement C, and comply with ANSI/IEEE C95.1-1992 “Uncontrolled Environments” limits. These limits apply to a location which is deemed as “Uncontrolled Environment” which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

Limits for General Population/Uncontrolled Exposure (W/kg)

Type Exposure	Uncontrolled Environment Limit
Spatial Peak SAR (1g cube tissue for brain or body)	1.60 W/kg
Spatial Average SAR (whole body)	0.08 W/kg
Spatial Peak SAR (10g for hands, feet, ankles and wrist)	4.00 W/kg

6. Test Equipment List

Instrument	Manufacturer	Model No.	Serial No.	Cali. Due Date
Stäubli Robot TX60L	Stäubli	TX60L	F10/5C90A1/A/01	N/A
Controller	Stäubli	SP1	S-0034	N/A
Dipole Validation Kits	Speag	D5GHzV2	1078	2018.02.09
SAM Twin Phantom	Speag	SAM	TP-1561/1562	N/A
Device Holder	Speag	SD 000 H01 HA	N/A	N/A
Data Acquisition Electronic	Speag	DAE4	1220	2017.02.08
E-Field Probe	Speag	EX3DV4	3710	2017.02.18
SAR Software	Speag	DASY5	V5.2 Build 162	N/A
Power Amplifier	Mini-Circuit	ZVA-183-S+	N657400950	N/A
Directional Coupler	Agilent	778D	20160	N/A
Universal Radio Communication Tester	R&S	CMU 200	117088	2017.03.10
Vector Network	Agilent	E5071C	MY48367267	2017.03.10
Signal Generator	Agilent	E4438C	MY49070163	2017.03.10
Power Meter	Anritsu	ML2495A	0905006	2016.10.29
Wide Bandwidth Sensor	Anritsu	MA2411B	0846014	2016.10.29

7. Measurement Uncertainty

DASY5 Uncertainty according to IEEE std. 1528-2013								
Measurement uncertainty for 300 MHz to 3 GHz averaged over 1 gram / 10 gram.								
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) V _{eff}
Measurement System								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	$\sqrt{3}$	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Max. SAR Eval.	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Test Sample Related								
Device Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Setup								
Phantom Uncertainty	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (meas.)	±2.5%	N	1	0.64	0.43	±1.6%	±1.1%	∞
Liquid Permittivity (target)	±5.0%	R	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
Combined Std. Uncertainty						±11.0%	±10.8%	387
Expanded STD Uncertainty						±22.0%	±21.5%	

DASY5 Uncertainty according to IEEE std. 1528-2013								
Measurement uncertainty for 3 GHz to 6 GHz averaged over 1 gram / 10 gram.								
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(vi) V _{eff}
Measurement System								
Probe Calibration	±6.55%	N	1	1	1	±6.55%	±6.55%	∞
Axial Isotropy	±4.7%	R	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±2.0%	R	$\sqrt{3}$	1	1	±1.2%	±1.2%	∞
Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Probe Positioning	±9.9%	R	$\sqrt{3}$	1	1	±5.7%	±5.7%	∞
Max. SAR Eval.	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Test Sample Related								
Device Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Setup								
Phantom Uncertainty	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (meas.)	±2.5%	N	1	0.64	0.43	±1.6%	±1.1%	∞
Liquid Permittivity (target)	±5.0%	R	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
Combined Std. Uncertainty						±12.8%	±12.6%	330
Expanded STD Uncertainty						±25.6%	±25.2%	

8. Conducted Power Measurement

For 2.4GHz:

SISO Mode:

Test Mode	Frequency (MHz)	Avg. Burst Power (dBm)		Max. Power (dBm)		Scaling Factor	
		Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
802.11b	2412	14.82	14.36	15.0	14.5	1.042	1.033
	2437	14.93	14.49	15.0	14.5	1.016	1.002
	2462	14.75	14.32	15.0	14.5	1.059	1.042
802.11g	2412	14.16	15.29	14.6	15.4	1.107	1.026
	2437	14.54	15.32	14.6	15.4	1.014	1.019
	2462	14.42	15.22	14.6	15.4	1.042	1.042

MIMO Mode:

Test Mode	Frequency (MHz)	Avg. Burst Power (dBm)		Total Power (dBm)	Max. Power (dBm)	Scaling Factor
		Ant 1	Ant 2			
802.11n(20MHz)	2412	13.71	13.48	16.61	16.8	1.045
	2437	13.83	13.54	16.70	16.8	1.023
	2462	13.58	13.52	16.56	16.8	1.057
802.11n(40MHz)	2422	12.92	12.74	15.84	16.0	1.038
	2437	12.97	12.89	15.94	16.0	1.014
	2452	12.93	12.84	15.90	16.0	1.023

For 5GHz:

SISO Mode:

Test Mode	Frequency (MHz)	Avg. Burst Power (dBm)			Max. Power (dBm)			Scaling Factor		
		Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3
802.11a	5180	13.67	10.12	12.47	13.8	10.2	13.0	1.030	1.019	1.130
	5200	13.71	10.16	12.98	13.8	10.2	13.0	1.021	1.009	1.005
	5240	13.64	10.04	12.65	13.8	10.2	13.0	1.038	1.038	1.084
	5260	13.43	14.47	14.67	13.6	14.6	14.8	1.040	1.030	1.030
	5300	13.59	14.51	14.72	13.6	14.6	14.8	1.002	1.021	1.019
	5320	13.33	14.43	14.47	13.6	14.6	14.8	1.064	1.040	1.079
	5500	12.52	12.05	12.06	12.8	12.5	12.2	1.067	1.109	1.033
	5580	12.78	12.48	12.19	12.8	12.5	12.2	1.005	1.005	1.002
	5700	12.45	11.82	11.95	12.8	12.5	12.2	1.084	1.169	1.059

	5745	15.92	13.55	14.68	16.1	13.7	15.0	1.042	1.035	1.076
	5785	16.01	13.63	14.81	16.1	13.7	15.0	1.021	1.016	1.045
	5825	15.93	12.86	14.61	16.1	13.7	15.0	1.040	1.213	1.094

MIMO Mode:

Test Mode	Frequency (MHz)	Avg. Burst Power (dBm)			Total Power (dBm)	Max. Power (dBm)	Scaling Factor
		Ant 1	Ant 2	Ant 3			
802.11n(20MHz)	5180	11.58	11.62	11.78	16.43	16.8	1.089
	5200	11.81	11.93	12.12	16.73	16.8	1.016
	5240	11.42	11.86	12.01	16.54	16.8	1.062
	5260	11.58	11.32	12.03	16.42	16.8	1.091
	5300	12.02	11.45	12.08	16.63	16.8	1.040
	5320	11.87	11.38	12.02	16.54	16.8	1.062
	5500	11.48	10.97	11.77	16.19	16.5	1.074
	5580	11.57	11.38	11.89	16.39	16.5	1.026
	5700	11.33	11.26	11.54	16.15	16.5	1.084
	5745	14.38	14.43	13.89	19.01	19.2	1.045
	5785	14.53	14.61	13.96	19.15	19.2	1.012
	5825	14.33	14.54	13.92	19.04	19.2	1.038
802.11n(40MHz)	5190	12.44	12.59	12.17	17.17	17.4	1.054
	5230	12.63	12.89	12.32	17.39	17.4	1.002
	5270	12.98	12.16	13.19	17.57	17.6	1.007
	5310	12.79	12.52	13.09	17.58	17.6	1.005
	5510	12.45	12.43	12.21	17.14	17.4	1.062
	5550	12.54	12.67	12.48	17.34	17.4	1.014
	5670	12.32	12.47	12.18	17.10	17.4	1.072
	5755	14.42	14.65	14.04	19.15	19.2	1.012
	5795	14.53	14.23	14.08	19.06	19.2	1.033
802.11ac(20MHz)	5180	13.32	13.25	13.31	18.06	18.5	1.107
	5200	13.54	13.64	13.42	18.31	18.5	1.045
	5240	13.31	13.54	13.29	18.15	18.5	1.084
	5260	13.01	12.32	13.12	17.60	17.9	1.072
	5300	13.37	12.65	13.25	17.87	17.9	1.007
	5320	12.93	12.18	13.06	17.51	17.9	1.094
	5500	11.23	11.22	11.68	16.15	16.5	1.084
	5580	11.43	11.64	11.88	16.43	16.5	1.016
	5700	11.31	11.37	11.52	16.17	16.5	1.079

	5745	15.86	16.07	15.31	20.53	20.8	1.064
	5785	16.03	16.32	15.57	20.76	20.8	1.009
	5825	15.94	16.18	15.15	20.55	20.8	1.059
802.11ac(40MHz)	5190	12.93	13.03	12.95	17.74	17.8	1.014
	5230	12.85	13.22	12.88	17.76	17.8	1.009
	5270	13.31	12.87	12.72	17.75	17.8	1.012
	5310	13.22	12.64	12.74	17.65	17.8	1.035
	5510	13.43	12.81	12.68	17.76	18.0	1.057
	5550	13.51	12.86	12.87	17.86	18.0	1.033
	5670	13.08	13.02	12.64	17.69	18.0	1.074
	5755	15.04	15.18	14.54	19.70	19.8	1.023
	5795	14.91	14.87	14.32	19.48	19.8	1.076
802.11ac(80MHz)	5210	12.42	11.92	11.87	16.85	17.0	1.035
	5290	13.02	12.78	12.84	17.65	17.7	1.012
	5530	12.01	11.86	11.93	16.70	17.0	1.072
	5775	14.12	14.85	14.43	19.25	19.5	1.059

9. Test Procedures

9.1. SAR Test Results Summary

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2412 ~ 2462 MHz									
Test Mode:802.11b-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	14.93	-0.13	1.12	1.016	1.00	1.138	1.6
Horizontal Up*	Fixed	2437	14.93	-0.15	1.07	1.016	1.00	1.087	1.6
Horizontal Down	Fixed	2437	14.93	-0.11	0.057	1.016	1.00	0.058	1.6
Vertical Back	Fixed	2437	14.93	0.15	0.738	1.016	1.00	0.750	1.6
Vertical Front	Fixed	2437	14.93	0.07	0.035	1.016	1.00	0.036	1.6
Tip	Fixed	2437	14.93	-0.02	0.033	1.016	1.00	0.034	1.6
Horizontal Up-antenna extended	Fixed	2437	14.93	-0.05	0.319	1.016	1.00	0.324	1.6
Tip-antenna extended	Fixed	2437	14.93	0.11	0.006	1.016	1.00	0.006	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	14.93	-0.15	0.837	1.016	1.00	0.850	1.6
Horizontal Up	Fixed	2462	14.75	-0.18	1.09	1.059	1.00	1.154	1.6
Horizontal Up-Antenna towards phantom	Fixed	2462	14.75	-0.04	0.710	1.059	1.00	0.752	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the

subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2412 ~ 2462 MHz									
Test Mode:802.11b-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	14.49	-0.03	0.361	1.002	1.00	0.362	1.6
Horizontal Down	Fixed	2437	14.49	0.02	0.078	1.002	1.00	0.078	1.6
Vertical Back	Fixed	2437	14.49	0.06	0.033	1.002	1.00	0.033	1.6
Vertical Front	Fixed	2437	14.49	0.14	0.068	1.002	1.00	0.068	1.6
Tip	Fixed	2437	14.49	-0.17	0.017	1.002	1.00	0.017	1.6
Horizontal Up-antenna extended	Fixed	2437	14.49	0.00	0.288	1.002	1.00	0.289	1.6
Tip-antenna extended	Fixed	2437	14.49	-0.19	0.004	1.002	1.00	0.004	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	14.49	0.03	1.12	1.002	1.00	1.122	1.6
Horizontal Up-Antenna towards phantom*	Fixed	2437	14.49	0.02	1.09	1.002	1.00	1.092	1.6
Horizontal Up-Antenna towards phantom	Fixed	2462	14.32	-0.05	1.08	1.042	1.00	1.125	1.6
Horizontal Up	Fixed	2462	14.32	0.01	0.420	1.042	1.00	0.438	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2412 ~ 2462 MHz									
Test Mode:802.11g-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	14.54	-0.07	1.00	1.014	1.00	1.014	1.6
Horizontal Up*	Fixed	2437	14.54	-0.11	1.03	1.014	1.00	1.044	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	14.54	-0.11	0.677	1.014	1.00	0.686	1.6
Horizontal Up	Fixed	2462	14.42	0.02	1.00	1.042	1.00	1.042	1.6
Horizontal Up-Antenna towards phantom	Fixed	2462	14.42	0.14	0.650	1.042	1.00	0.677	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2412 ~ 2462 MHz									
Test Mode:802.11g-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	15.32	-0.02	0.409	1.019	1.00	0.417	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	15.32	-0.16	1.02	1.019	1.00	1.039	1.6
Horizontal Up-Antenna towards phantom*	Fixed	2437	15.32	0.10	1.00	1.019	1.00	1.019	1.6
Horizontal Up-Antenna towards phantom	Fixed	2462	15.22	0.15	1.01	1.042	1.00	1.052	1.6
Horizontal Up	Fixed	2462	15.22	0.11	0.390	1.042	1.00	0.406	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2412 ~ 2462 MHz									
Test Mode:802.11n(20MHz)-Ant1+2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (≤±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	16.70	0.05	1.09	1.023	1.00	1.115	1.6
Horizontal Up*	Fixed	2437	16.70	0.01	1.06	1.023	1.00	1.084	1.6
Horizontal Down	Fixed	2437	16.70	-0.06	0.101	1.023	1.00	0.103	1.6
Vertical Back	Fixed	2437	16.70	0.07	0.719	1.023	1.00	0.736	1.6
Vertical Front	Fixed	2437	16.70	-0.09	0.057	1.023	1.00	0.058	1.6
Tip	Fixed	2437	16.70	0.07	0.042	1.023	1.00	0.043	1.6
Horizontal Up-antenna extended	Fixed	2437	16.70	-0.02	0.425	1.023	1.00	0.435	1.6
Tip-antenna extended	Fixed	2437	16.70	0.03	0.030	1.023	1.00	0.031	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	16.70	0.17	0.772	1.023	1.00	0.790	1.6
Horizontal Up	Fixed	2462	16.56	-0.20	1.07	1.057	1.00	1.131	1.6
Horizontal Up-Antenna towards phantom	Fixed	2462	16.56	0.20	0.700	1.057	1.00	0.740	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB

248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 2422 ~ 2452 MHz									
Test Mode:802.11n(40MHz)- Ant1+2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	2437	15.94	-0.17	1.10	1.014	1.00	1.115	1.6
Horizontal Up*	Fixed	2437	15.94	-0.08	1.07	1.014	1.00	1.085	1.6
Horizontal Up-antenna extended	Fixed	2437	15.94	0.19	0.312	1.014	1.00	0.316	1.6
Horizontal Up-Antenna towards phantom	Fixed	2437	15.94	-0.11	0.933	1.014	1.00	0.946	1.6
Horizontal Up	Fixed	2452	15.90	0.13	1.06	1.023	1.00	1.084	1.6
Horizontal Up-Antenna towards phantom	Fixed	2452	15.90	-0.15	0.720	1.023	1.00	0.737	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5180 ~ 5240MHz									
Test Mode:802.11a-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5200	13.71	0.15	1.08	1.021	1.00	1.103	1.6
Horizontal Up*	Fixed	5200	13.71	0.11	1.09	1.021	1.00	1.113	1.6
Horizontal Down	Fixed	5200	13.71	0.15	0.068	1.021	1.00	0.069	1.6
Vertical Back	Fixed	5200	13.71	0.03	0.069	1.021	1.00	0.070	1.6
Vertical Front	Fixed	5200	13.71	-0.11	0.034	1.021	1.00	0.035	1.6
Tip	Fixed	5200	13.71	0.01	0.011	1.021	1.00	0.011	1.6
Horizontal Up-antenna extended	Fixed	5200	13.71	0.02	0.442	1.021	1.00	0.451	1.6
Tip-antenna extended	Fixed	5200	13.71	0.08	0.007	1.021	1.00	0.007	1.6
Horizontal Up-Antenna towards phantom	Fixed	5200	13.71	0.04	0.942	1.021	1.00	0.962	1.6
Horizontal Up	Fixed	5180	13.67	0.07	1.05	1.030	1.00	1.082	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5180 ~ 5240MHz									
Test Mode:802.11a-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5200	10.16	0.05	1.16	1.009	1.00	1.170	1.6
Horizontal Up*	Fixed	5200	10.16	0.03	1.07	1.009	1.00	1.080	1.6
Horizontal Down	Fixed	5200	10.16	0.20	0.059	1.009	1.00	0.060	1.6
Vertical Back	Fixed	5200	10.16	-0.12	0.127	1.009	1.00	0.128	1.6
Vertical Front	Fixed	5200	10.16	0.15	0.044	1.009	1.00	0.044	1.6
Tip	Fixed	5200	10.16	0.01	0.088	1.009	1.00	0.089	1.6
Horizontal Up-antenna extended	Fixed	5200	10.16	-0.17	0.374	1.009	1.00	0.377	1.6
Tip-antenna extended	Fixed	5200	10.16	0.11	0.006	1.009	1.00	0.006	1.6
Horizontal Up-Antenna towards phantom	Fixed	5200	10.16	-0.15	0.875	1.009	1.00	0.883	1.6
Horizontal Up	Fixed	5180	10.12	0.15	1.06	1.019	1.00	1.080	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5180 ~ 5240MHz									
Test Mode:802.11a-Ant3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5200	12.98	0.04	1.07	1.005	1.00	1.075	1.6
Horizontal Up*	Fixed	5200	12.98	0.14	1.08	1.005	1.00	1.085	1.6
Horizontal Down	Fixed	5200	12.98	-0.15	0.062	1.005	1.00	0.062	1.6
Vertical Back	Fixed	5200	12.98	0.03	0.041	1.005	1.00	0.041	1.6
Vertical Front	Fixed	5200	12.98	0.07	0.085	1.005	1.00	0.085	1.6
Tip	Fixed	5200	12.98	0.12	0.009	1.005	1.00	0.009	1.6
Horizontal Up-antenna extended	Fixed	5200	12.98	0.06	0.355	1.005	1.00	0.357	1.6
Tip-antenna extended	Fixed	5200	12.98	0.11	0.006	1.005	1.00	0.006	1.6
Horizontal Up-Antenna towards phantom	Fixed	5200	12.98	0.07	0.857	1.005	1.00	0.861	1.6
Horizontal Up	Fixed	5240	12.65	-0.06	1.06	1.084	1.00	1.149	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5180 ~ 5240MHz									
Test Mode:802.11n(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5200	16.73	0.06	1.08	1.016	1.00	1.097	1.6
Horizontal Up*	Fixed	5200	16.73	0.08	1.07	1.016	1.00	1.087	1.6
Horizontal Down	Fixed	5200	16.73	0.12	0.387	1.016	1.00	0.393	1.6
Vertical Back	Fixed	5200	16.73	-0.15	0.067	1.016	1.00	0.068	1.6
Vertical Front	Fixed	5200	16.73	0.18	0.047	1.016	1.00	0.048	1.6
Tip	Fixed	5200	16.73	0.02	0.008	1.016	1.00	0.008	1.6
Horizontal Up-antenna extended	Fixed	5200	16.73	0.03	0.572	1.016	1.00	0.581	1.6
Tip-antenna extended	Fixed	5200	16.73	0.14	0.005	1.016	1.00	0.005	1.6
Horizontal Up-Antenna towards phantom	Fixed	5200	16.73	0.02	0.995	1.016	1.00	1.011	1.6
Horizontal Up	Fixed	5240	16.54	-0.05	1.05	1.062	1.00	1.115	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5190 ~ 5230MHz									
Test Mode:802.11n(40MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5230	17.39	-0.10	1.06	1.002	1.00	1.062	1.6
Horizontal Up*	Fixed	5230	17.39	0.04	1.07	1.002	1.00	1.072	1.6
Horizontal Up-antenna extended	Fixed	5230	17.39	0.06	0.473	1.002	1.00	0.474	1.6
Horizontal Up-Antenna towards phantom	Fixed	5230	17.39	-0.07	0.877	1.002	1.00	0.879	1.6
Horizontal Up	Fixed	5190	17.17	0.11	1.03	1.054	1.00	1.086	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5180 ~ 5240MHz									
Test Mode:802.11ac(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5200	18.31	0.20	1.01	1.045	1.00	1.055	1.6
Horizontal Up*	Fixed	5200	18.31	0.20	1.02	1.045	1.00	1.066	1.6
Horizontal Up-antenna extended	Fixed	5200	18.31	0.05	0.334	1.045	1.00	0.349	1.6
Horizontal Up-Antenna towards phantom	Fixed	5200	18.31	0.11	0.907	1.045	1.00	0.948	1.6
Horizontal Up	Fixed	5240	18.15	0.17	1.00	1.084	1.00	1.084	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

5: When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration. So 802.11ac(40MHz) & 802.11ac(80MHz) didn't tested according to the power is less than 802.11ac(20MHz).

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5260 ~ 5320MHz									
Test Mode:802.11a-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5300	13.59	0.02	1.08	1.002	1.00	1.082	1.6
Horizontal Up*	Fixed	5300	13.59	0.02	1.07	1.002	1.00	1.072	1.6
Horizontal Up-antenna extended	Fixed	5300	13.59	-0.05	0.362	1.002	1.00	0.363	1.6
Horizontal Up-Antenna towards phantom	Fixed	5300	13.59	0.02	0.865	1.002	1.00	0.867	1.6
Horizontal Up	Fixed	5260	13.43	-0.11	1.05	1.040	1.00	1.092	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5260 ~ 5320MHz									
Test Mode:802.11a-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5300	14.51	0.10	1.11	1.021	1.00	1.133	1.6
Horizontal Up*	Fixed	5300	14.51	0.18	1.08	1.021	1.00	1.103	1.6
Horizontal Up-antenna extended	Fixed	5300	14.51	0.08	0.443	1.021	1.00	0.452	1.6
Horizontal Up-Antenna towards phantom	Fixed	5300	14.51	0.09	0.867	1.021	1.00	0.885	1.6
Horizontal Up	Fixed	5260	14.47	0.14	1.08	1.030	1.00	1.112	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5260 ~ 5320MHz									
Test Mode:802.11a-Ant3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5300	14.72	0.16	1.09	1.019	1.00	1.111	1.6
Horizontal Up*	Fixed	5300	14.72	0.09	1.06	1.019	1.00	1.080	1.6
Horizontal Up-antenna extended	Fixed	5300	14.72	0.17	0.381	1.019	1.00	0.388	1.6
Horizontal Up-Antenna towards phantom	Fixed	5300	14.72	0.01	0.872	1.019	1.00	0.889	1.6
Horizontal Up	Fixed	5260	14.67	0.11	1.06	1.030	1.00	1.092	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5260 ~ 5320MHz									
Test Mode:802.11n(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5300	16.63	0.19	1.04	1.040	1.00	1.082	1.6
Horizontal Up*	Fixed	5300	16.63	-0.18	1.05	1.040	1.00	1.092	1.6
Horizontal Up-antenna extended	Fixed	5300	16.63	0.06	0.375	1.040	1.00	0.390	1.6
Horizontal Up-Antenna towards phantom	Fixed	5300	16.63	0.02	0.881	1.040	1.00	0.916	1.6
Horizontal Up	Fixed	5320	16.54	0.17	1.01	1.062	1.00	1.073	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5270 ~ 5310MHz									
Test Mode:802.11n(40MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5230	17.58	0.19	1.04	1.005	1.00	1.045	1.6
Horizontal Up*	Fixed	5230	17.58	0.01	1.02	1.005	1.00	1.025	1.6
Horizontal Up-antenna extended	Fixed	5230	17.58	0.15	0.338	1.005	1.00	0.340	1.6
Horizontal Up-Antenna towards phantom	Fixed	5230	17.58	-0.16	0.875	1.005	1.00	0.879	1.6
Horizontal Up	Fixed	5190	17.57	0.02	1.03	1.007	1.00	1.037	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5260 ~ 5320MHz									
Test Mode:802.11ac(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5300	17.87	0.14	1.08	1.007	1.00	1.088	1.6
Horizontal Up*	Fixed	5300	17.87	0.07	1.09	1.007	1.00	1.098	1.6
Horizontal Up-antenna extended	Fixed	5300	17.87	-0.03	0.406	1.007	1.00	0.409	1.6
Horizontal Up-Antenna towards phantom	Fixed	5300	17.87	-0.16	0.871	1.007	1.00	0.877	1.6
Horizontal Up	Fixed	5260	17.60	0.05	1.06	1.072	1.00	1.136	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

5: When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration. So 802.11ac(40MHz) & 802.11ac(80MHz) didn't tested according to the power is less than 802.11ac(20MHz).

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5500 ~ 5580; 5620 ~ 5700 MHz									
Test Mode:802.11a-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5580	12.78	0.16	1.10	1.005	1.00	1.106	1.6
Horizontal Up*	Fixed	5580	12.78	-0.10	1.09	1.005	1.00	1.095	1.6
Horizontal Up-antenna extended	Fixed	5580	12.78	0.05	0.475	1.005	1.00	0.477	1.6
Horizontal Up-Antenna towards phantom	Fixed	5580	12.78	0.02	0.912	1.005	1.00	0.917	1.6
Horizontal Up	Fixed	5500	12.52	0.06	1.06	1.067	1.00	1.131	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5500 ~ 5580; 5620 ~ 5700 MHz									
Test Mode:802.11a-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5580	12.48	-0.16	1.08	1.005	1.00	1.085	1.6
Horizontal Up*	Fixed	5580	12.48	-0.10	1.07	1.005	1.00	1.075	1.6
Horizontal Up-antenna extended	Fixed	5580	12.48	-0.05	0.440	1.005	1.00	0.442	1.6
Horizontal Up-Antenna towards phantom	Fixed	5580	12.48	0.09	0.819	1.005	1.00	0.823	1.6
Horizontal Up	Fixed	5500	12.05	0.10	1.02	1.109	1.00	1.131	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5500 ~ 5580; 5620 ~ 5700 MHz									
Test Mode:802.11a-Ant3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5580	12.19	0.07	1.09	1.002	1.00	1.092	1.6
Horizontal Up*	Fixed	5580	12.19	0.11	1.07	1.002	1.00	1.072	1.6
Horizontal Up-antenna extended	Fixed	5580	12.19	-0.07	0.387	1.002	1.00	0.388	1.6
Horizontal Up-Antenna towards phantom	Fixed	5580	12.19	0.06	0.855	1.002	1.00	0.857	1.6
Horizontal Up	Fixed	5500	12.06	0.14	1.07	1.033	1.00	1.105	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5500 ~ 5580; 5620 ~ 5700 MHz									
Test Mode:802.11n(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5580	16.39	0.07	1.07	1.026	1.00	1.098	1.6
Horizontal Up*	Fixed	5580	16.39	0.13	1.07	1.026	1.00	1.098	1.6
Horizontal Up-antenna extended	Fixed	5580	16.39	0.09	0.445	1.026	1.00	0.457	1.6
Horizontal Up-Antenna towards phantom	Fixed	5580	16.39	-0.04	0.924	1.026	1.00	0.948	1.6
Horizontal Up	Fixed	5500	16.19	0.06	1.05	1.074	1.00	1.128	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5510 ~ 5550; 5670 MHz									
Test Mode:802.11n(40MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5550	17.34	0.10	1.10	1.014	1.00	1.115	1.6
Horizontal Up*	Fixed	5550	17.34	0.09	1.10	1.014	1.00	1.115	1.6
Horizontal Up-antenna extended	Fixed	5550	17.34	0.15	0.400	1.014	1.00	0.406	1.6
Horizontal Up-Antenna towards phantom	Fixed	5550	17.34	-0.03	0.863	1.014	1.00	0.875	1.6
Horizontal Up	Fixed	5510	17.14	-0.04	1.09	1.062	1.00	1.158	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5500 ~ 5580; 5620 ~ 5700 MHz									
Test Mode:802.11ac(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5580	16.43	0.01	1.11	1.016	1.00	1.128	1.6
Horizontal Up*	Fixed	5580	16.43	0.04	1.09	1.016	1.00	1.107	1.6
Horizontal Up-antenna extended	Fixed	5580	16.43	-0.02	0.410	1.016	1.00	0.417	1.6
Horizontal Up-Antenna towards phantom	Fixed	5580	16.43	0.13	0.911	1.016	1.00	0.926	1.6
Horizontal Up	Fixed	5700	16.17	0.08	1.08	1.079	1.00	1.165	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5510 ~ 5550; 5670 MHz									
Test Mode:802.11ac(40MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5550	17.86	0.01	1.06	1.033	1.00	1.095	1.6
Horizontal Up*	Fixed	5550	17.86	0.05	1.07	1.033	1.00	1.105	1.6
Horizontal Up-antenna extended	Fixed	5550	17.86	0.13	0.349	1.033	1.00	0.361	1.6
Horizontal Up-Antenna towards phantom	Fixed	5550	17.86	-0.20	0.875	1.033	1.00	0.904	1.6
Horizontal Up	Fixed	5510	17.76	0.06	1.05	1.057	1.00	1.110	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

5: When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration. So 802.11ac(80MHz) didn't tested according to the power is less than 802.11ac(40MHz).

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5745 ~ 5825 MHz									
Test Mode:802.11a-Ant1									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5785	16.01	0.17	1.06	1.021	1.00	1.082	1.6
Horizontal Up*	Fixed	5785	16.01	0.07	1.05	1.021	1.00	1.072	1.6
Horizontal Up-antenna extended	Fixed	5785	16.01	0.08	0.299	1.021	1.00	0.305	1.6
Horizontal Up-Antenna towards phantom	Fixed	5785	16.01	0.15	0.846	1.021	1.00	0.864	1.6
Horizontal Up	Fixed	5745	15.92	0.04	1.03	1.042	1.00	1.073	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5745 ~ 5825 MHz									
Test Mode:802.11a-Ant2									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5785	13.63	0.12	1.04	1.016	1.00	1.057	1.6
Horizontal Up*	Fixed	5785	13.63	0.18	1.05	1.016	1.00	1.067	1.6
Horizontal Up-antenna extended	Fixed	5785	13.63	-0.03	0.315	1.016	1.00	0.320	1.6
Horizontal Up-Antenna towards phantom	Fixed	5785	13.63	0.06	0.910	1.016	1.00	0.925	1.6
Horizontal Up	Fixed	5745	13.55	0.05	1.04	1.035	1.00	1.076	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5745 ~ 5825 MHz									
Test Mode:802.11a-Ant3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5785	14.81	0.13	1.03	1.045	1.00	1.076	1.6
Horizontal Up*	Fixed	5785	14.81	0.06	1.02	1.045	1.00	1.066	1.6
Horizontal Up-antenna extended	Fixed	5785	14.81	0.20	0.330	1.045	1.00	0.345	1.6
Horizontal Up-Antenna towards phantom	Fixed	5785	14.81	-0.11	0.877	1.045	1.00	0.916	1.6
Horizontal Up	Fixed	5745	14.68	0.13	1.01	1.076	1.00	1.087	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5745 ~ 5825 MHz									
Test Mode:802.11n(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5785	19.15	0.09	1.07	1.012	1.00	1.083	1.6
Horizontal Up*	Fixed	5785	19.15	0.19	1.06	1.012	1.00	1.073	1.6
Horizontal Up-antenna extended	Fixed	5785	19.15	-0.12	0.462	1.012	1.00	0.468	1.6
Horizontal Up-Antenna towards phantom	Fixed	5785	19.15	-0.11	0.887	1.012	1.00	0.898	1.6
Horizontal Up	Fixed	5825	19.04	0.06	1.06	1.038	1.00	1.100	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5755 ~ 5795 MHz									
Test Mode:802.11n(40MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5755	19.15	0.12	1.09	1.012	1.00	1.103	1.6
Horizontal Up*	Fixed	5755	19.15	0.18	1.08	1.012	1.00	1.093	1.6
Horizontal Up-antenna extended	Fixed	5755	19.15	-0.10	0.470	1.012	1.00	0.476	1.6
Horizontal Up-Antenna towards phantom	Fixed	5755	19.15	0.04	0.900	1.012	1.00	0.911	1.6
Horizontal Up	Fixed	5795	19.06	0.06	1.08	1.033	1.00	1.116	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

SAR MEASUREMENT									
Ambient Temperature (°C) : 21.5 ± 2					Relative Humidity (%): 52				
Liquid Temperature (°C) : 21.0 ± 2					Depth of Liquid (cm):>15				
Product: AC1900 High Gain Wireless Dual Band USB Adapter									
Frequency: 5745 ~ 5825 MHz									
Test Mode:802.11ac(20MHz)-Ant1+2+3									
Test Position Body (5mm gap)	Antenna Position	Frequency (MHz)	Frame Power (dBm)	Power Drift (<±0.2)	SAR 1g (W/kg)	Scaling Factor	Duty factor	Scaled SAR 1g (W/kg)	Limit (W/kg)
Horizontal Up	Fixed	5785	20.76	-0.14	1.08	1.009	1.00	1.090	1.6
Horizontal Up*	Fixed	5785	20.76	-0.06	1.10	1.009	1.00	1.110	1.6
Horizontal Up-antenna extended	Fixed	5785	20.76	0.17	0.366	1.009	1.00	0.369	1.6
Horizontal Up-Antenna towards phantom	Fixed	5785	20.76	-0.18	0.894	1.009	1.00	0.902	1.6
Horizontal Up	Fixed	5825	20.55	0.01	1.07	1.059	1.00	1.133	1.6

Note 1: * - repeated at the highest measured SAR according to the FCC KDB 865664

2: When the reported SAR of the initial test position is > 0.4 W/kg, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.

3: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4: Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.

5: When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration. So 802.11ac(40MHz) & 802.11ac(80MHz) didn't tested according to the power is less than 802.11ac(20MHz).

9.2. Test position and configuration

1. Liquid tissue depth was at least 15.0 cm for all frequencies.
2. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
3. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
4. Reported SAR were scaled to the maximum duty factor to demonstrate compliance per FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02.
5. SAR was performed with the device configured in the positions according to KDB 447498 D02 SAR Procedures for Dongle Xmtr v02r01, body SAR was performed with the device to phantom separation distance of 5mm. All USB orientations (A: Horizontal-Up, B: Horizontal-Down, C: Vertical-Front, D: Vertical-Back, and E: Tip) were evaluated with 15cm USB cable for extension. Please check the SAR test photos.
6. Because of the antennas can rotating, addition tests are performed at three positions(Horizontal-Up and Tip when the antenna rotated to 180 ° ; Horizontal-Up when the antenna rotated towards phantom)

WLAN Notes:

When the maximum extrapolated peak SAR of the zoom scan for the maximum output channel is <1.6 W/kg and the reported 1g averaged SAR is <0.8 W/kg, SAR testing on other default channels is not required.

Appendix A. SAR System Validation Data

Date/Time: 09-20-2016

Test Laboratory: QuieTek Lab

System Check Body 2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

Communication System: UID 0, CW; Communication System Band: D2450(2450MHz); Duty Cycle: 1:1;

Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Input Power=250mW

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

DASY5 Configuration:

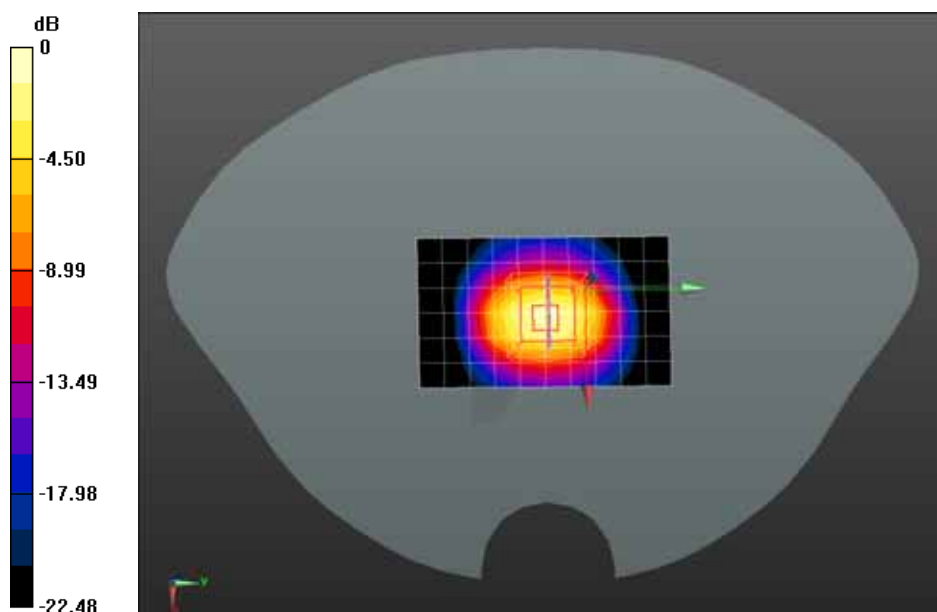
- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/System Check Body 2450MHz/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm, Maximum value of SAR (measured) = 11.9 W/kg

Configuration/System Check Body 2450MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm, Reference Value = 75.15 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 24.8 W/kg

SAR(1 g) = 11.7 W/kg; SAR(10 g) = 5.3 W/kg Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Date/Time: 09-20-2016

Test Laboratory: QuieTek Lab

System Check Body 5250MHz

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5250 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 5.32$ S/m; $\epsilon_r = 49.42$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

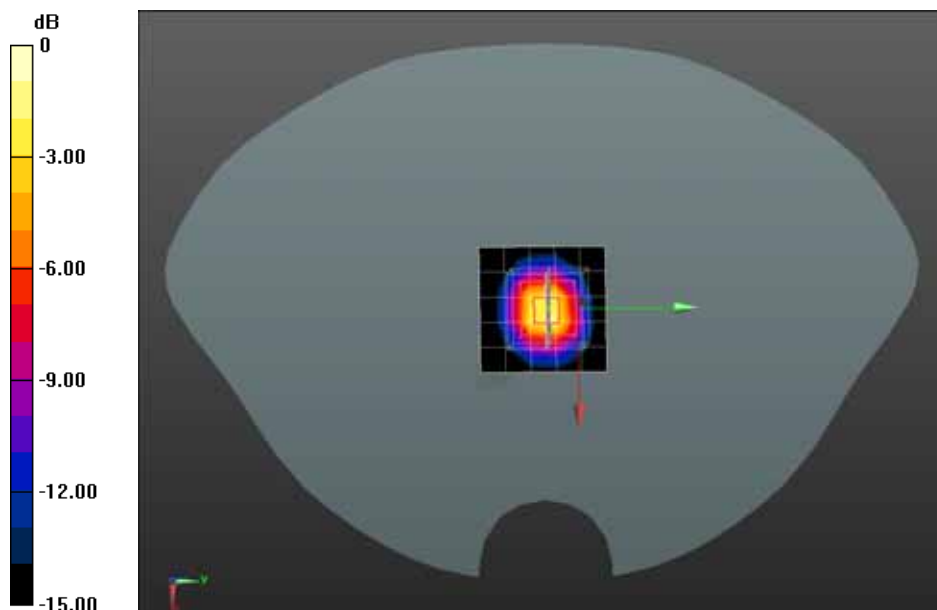
Configuration/Body 5250MHz/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 6.67 W/kg

Configuration/Body 5250MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 44.33 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 46.0 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.04 W/kg Maximum value of SAR (measured) = 8.83 W/kg



0 dB = 8.83 W/kg = 9.03 dBW/kg

Date/Time: 09-20-2016

Test Laboratory: QuieTek Lab

System Check Body 5600MHz

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5600 MHz; Medium parameters used: $f = 5600$ MHz; $\sigma = 5.8$ S/m; $\epsilon_r = 48.47$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

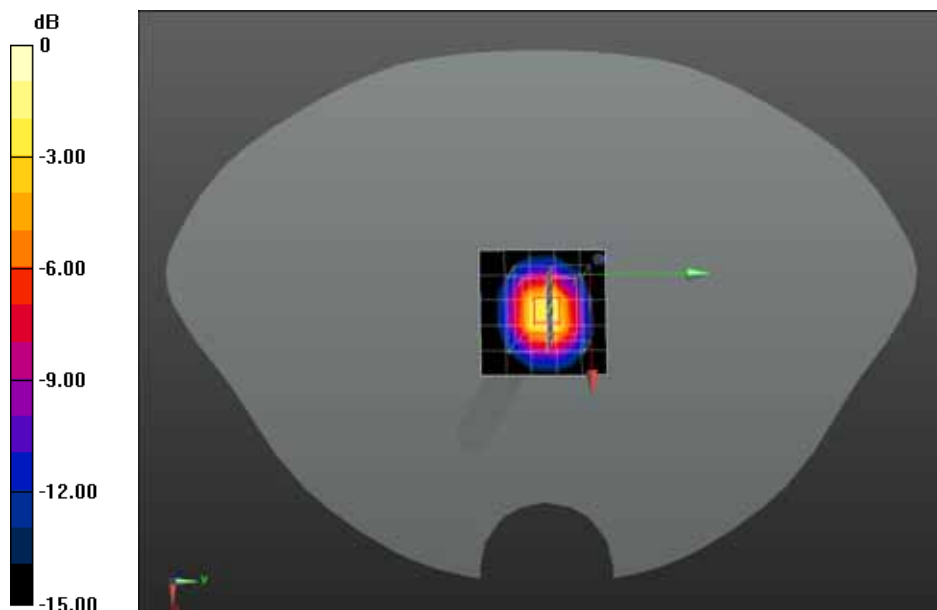
Configuration/Body 5600MHz/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 7.15 W/kg

Configuration/Body 5600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 44.69 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 62.6 W/kg

SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.15 W/kg Maximum value of SAR (measured) = 8.6 W/kg



0 dB = 8.6 W/kg = 8.25 dBW/kg

Date/Time: 09-20-2016

Test Laboratory: QuieTek Lab

System Check Body 5750MHz

DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5750 MHz; Medium parameters used: $f = 5750$ MHz; $\sigma = 6.05$ S/m; $\epsilon_r = 48.03$; $\rho = 1000$ 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(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

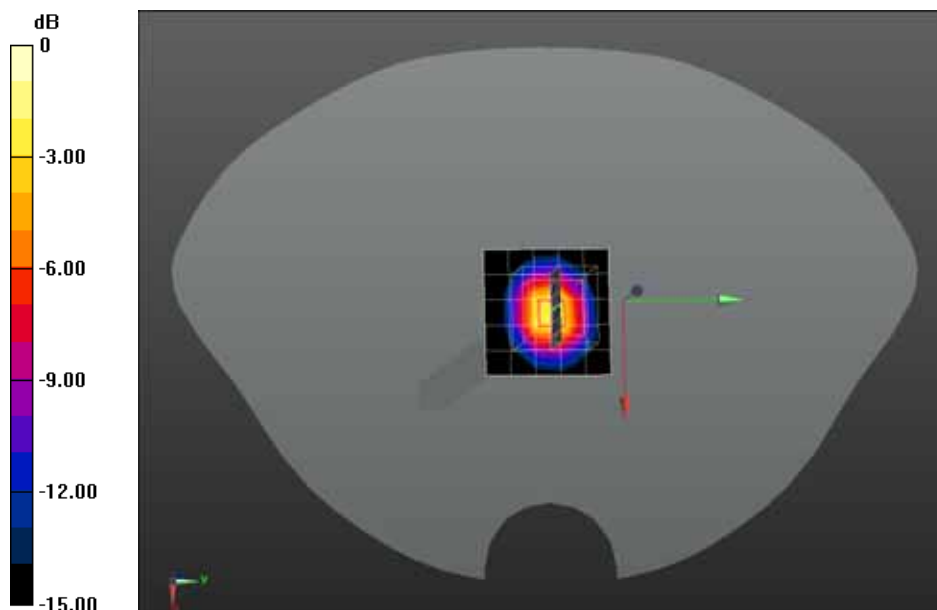
Configuration/Body 5750MHz/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.08 W/kg

Configuration/Body 5750MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm; Reference Value = 46.02 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.57 W/kg; SAR(10 g) = 2.09 W/kg Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 9.86 dBW/kg

Appendix B. SAR measurement Data

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

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

DASY5 Configuration:

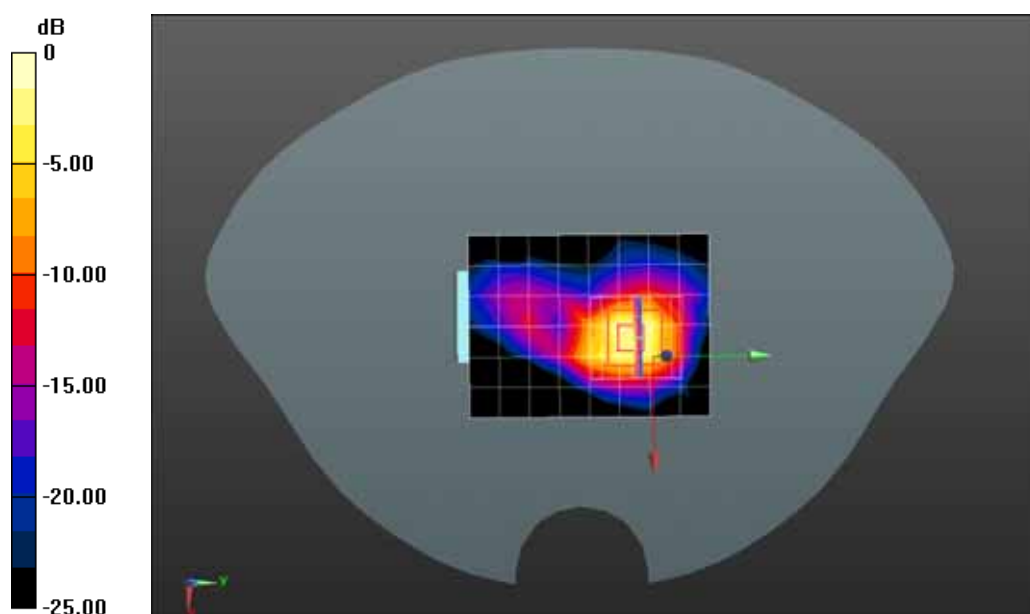
- Probe: EX3DV4 - SN3710; ConvF(7.08, 7.08, 7.08); Calibrated: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm, Maximum value of SAR (measured) = 0.918 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.974 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.438 W/kg Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-Ant1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

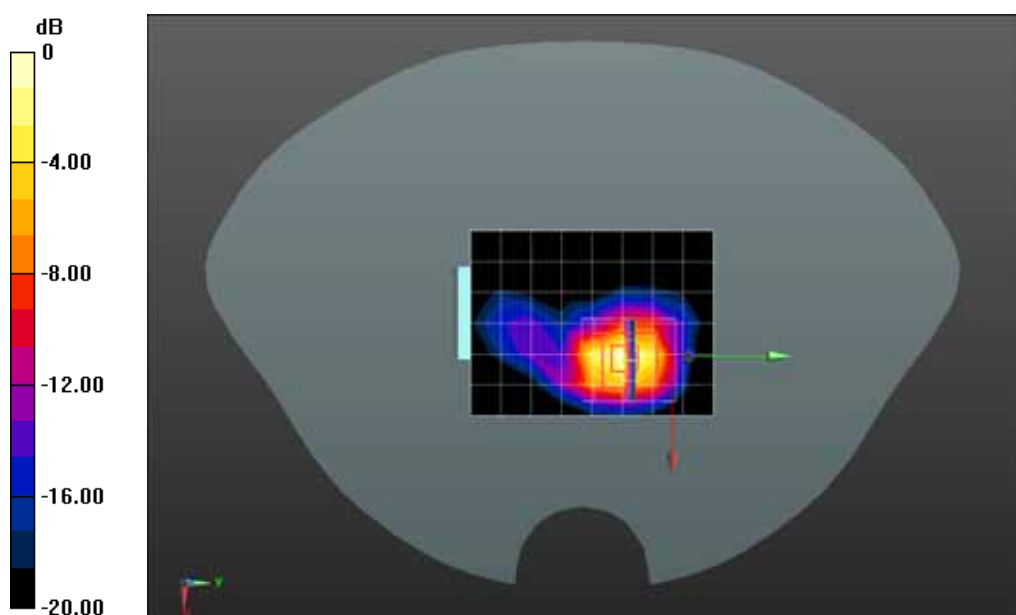
Maximum value of SAR (measured) = 2.26 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 4.239 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 5.13 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.012 W/kg Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Down-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Down/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

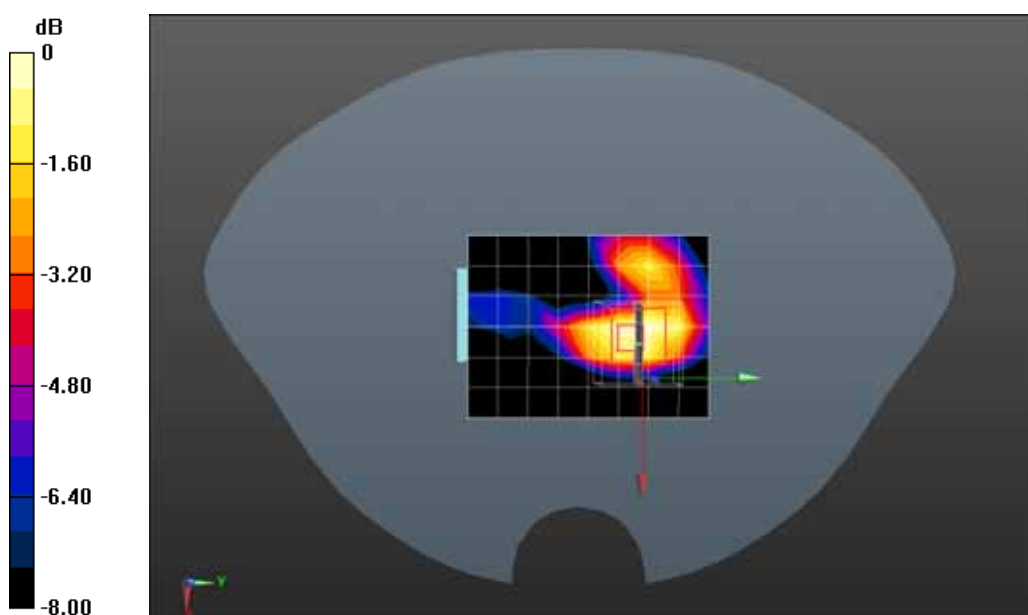
Maximum value of SAR (measured) = 0.0619 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Down/Zoom Scan (5x5x7)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 4.183 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.028 W/kg Maximum value of SAR (measured) = 0.0628 W/kg



0 dB = 0.0628 W/kg = -12.02 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Vertical Front-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Vertical Front/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

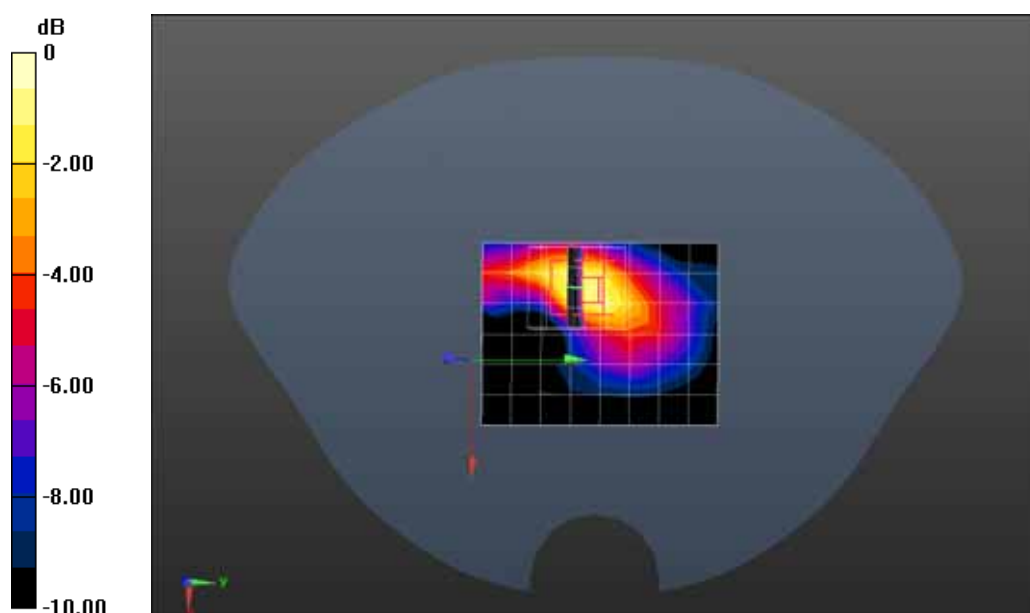
Maximum value of SAR (measured) = 0.0355 W/kg

Configuration/802.11b 2437MHz Body-Vertical Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.064 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0940 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.016 W/kg Maximum value of SAR (measured) = 0.0410 W/kg



0 dB = 0.0410 W/kg = -13.87 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Vertical Back-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Vertical Back/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

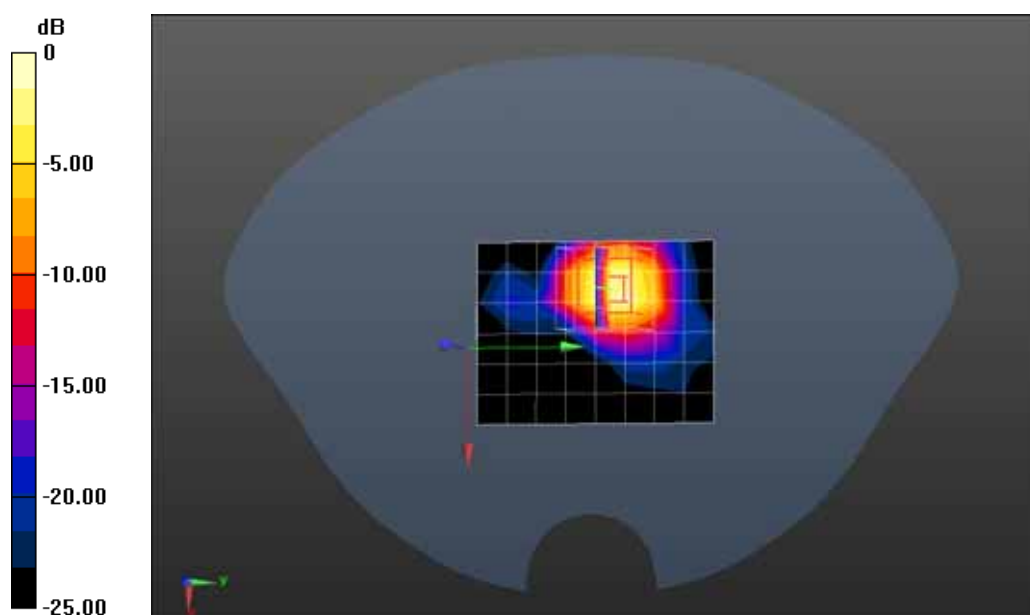
Maximum value of SAR (measured) = 0.636 W/kg

Configuration/802.11b 2437MHz Body-Vertical Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.534 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.300 W/kg Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg = -0.73 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Tip-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

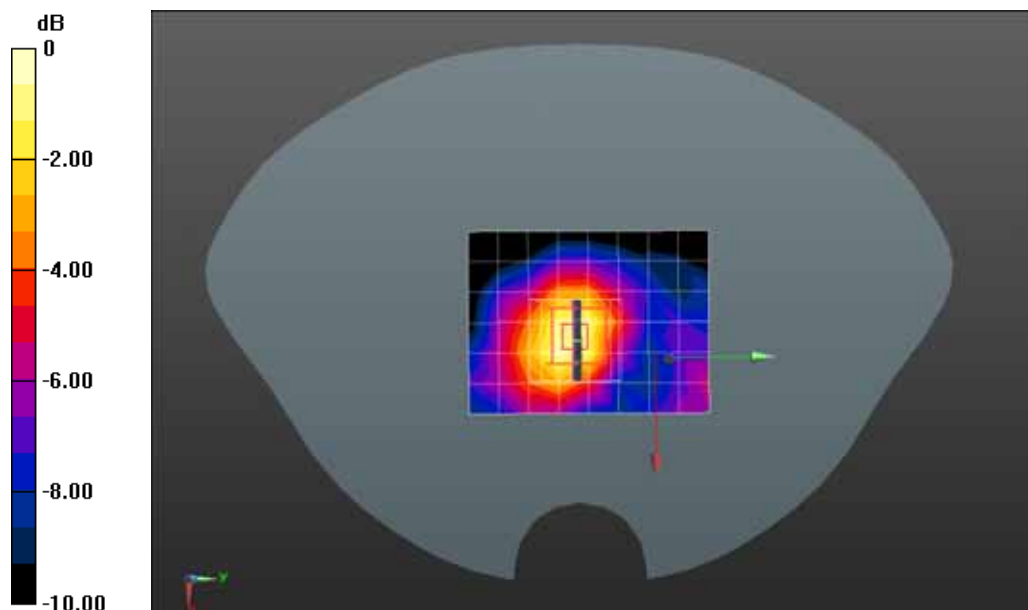
Configuration/802.11b 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0355 W/kg

Configuration/802.11b 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.924 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.016 W/kg Maximum value of SAR (measured) = 0.0388 W/kg



0 dB = 0.0388 W/kg = -14.11 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-antenna extended-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

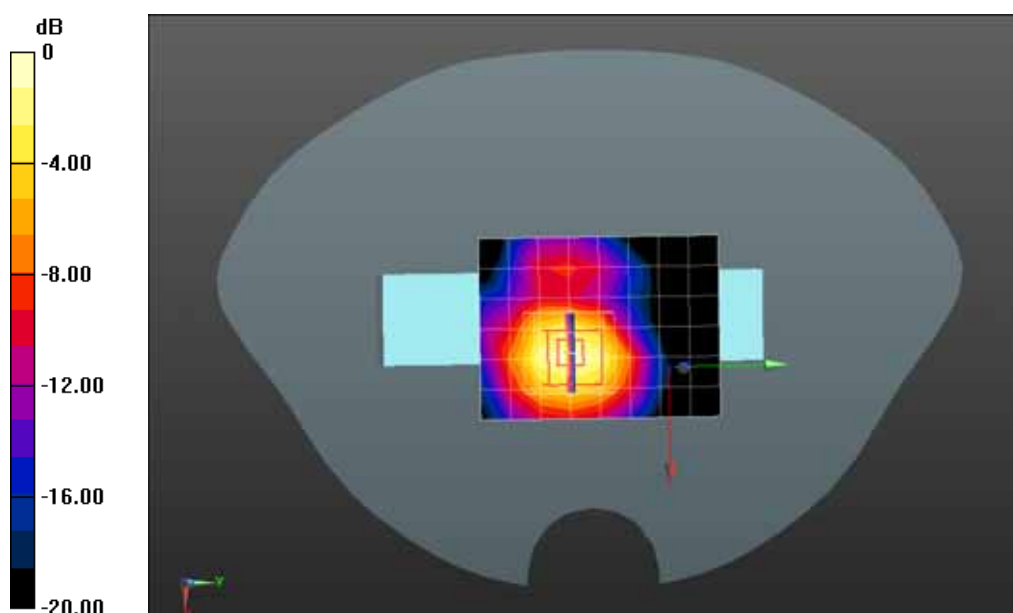
Maximum value of SAR (measured) = 0.347 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.071 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.150 W/kg Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-antenna towards phantom-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

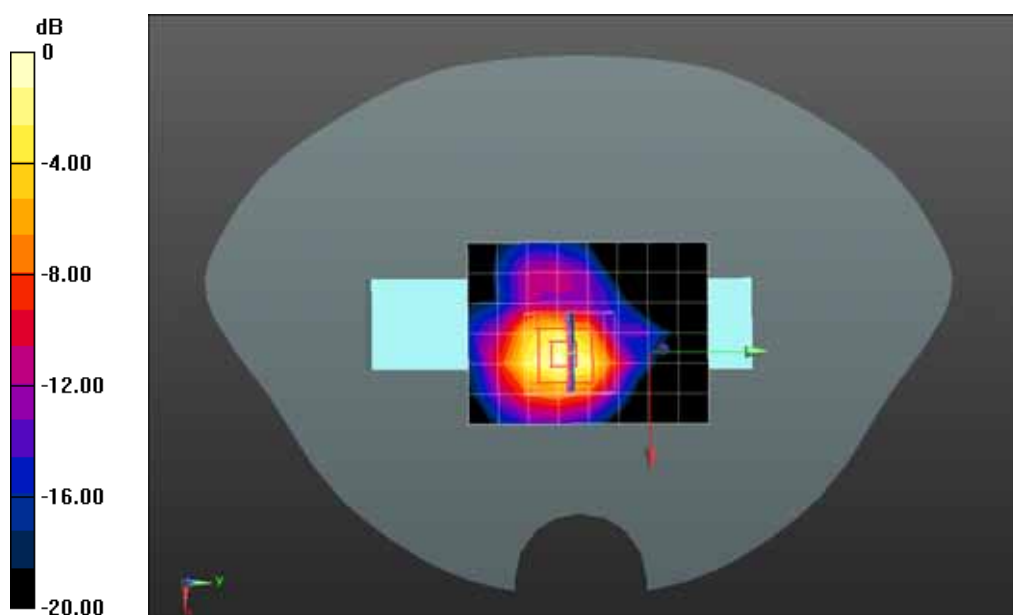
Maximum value of SAR (measured) = 0.850 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.046 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.359 W/kg Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 0.948 W/kg = -0.23 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Tip-antenna extended-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

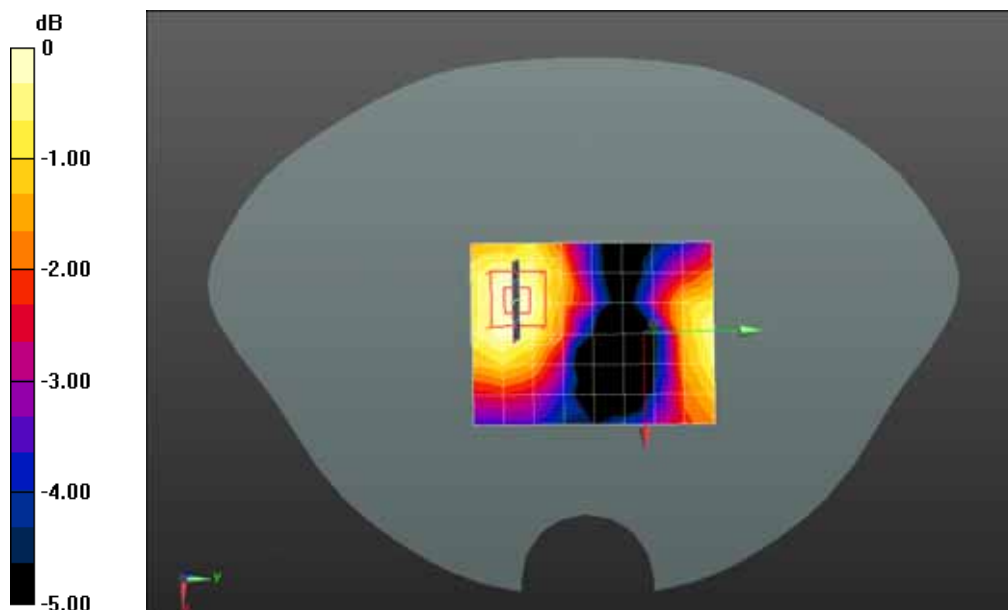
Configuration/802.11b 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0286 W/kg

Configuration/802.11b 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 2.541 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0480 W/kg

SAR(1 g) = 0.006 W/kg; SAR(10 g) = 0.001 W/kg Maximum value of SAR (measured) = 0.0283 W/kg



0 dB = 0.0283 W/kg = -15.48 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2462MHz Body-Horizontal Up-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 52.21$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2462MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

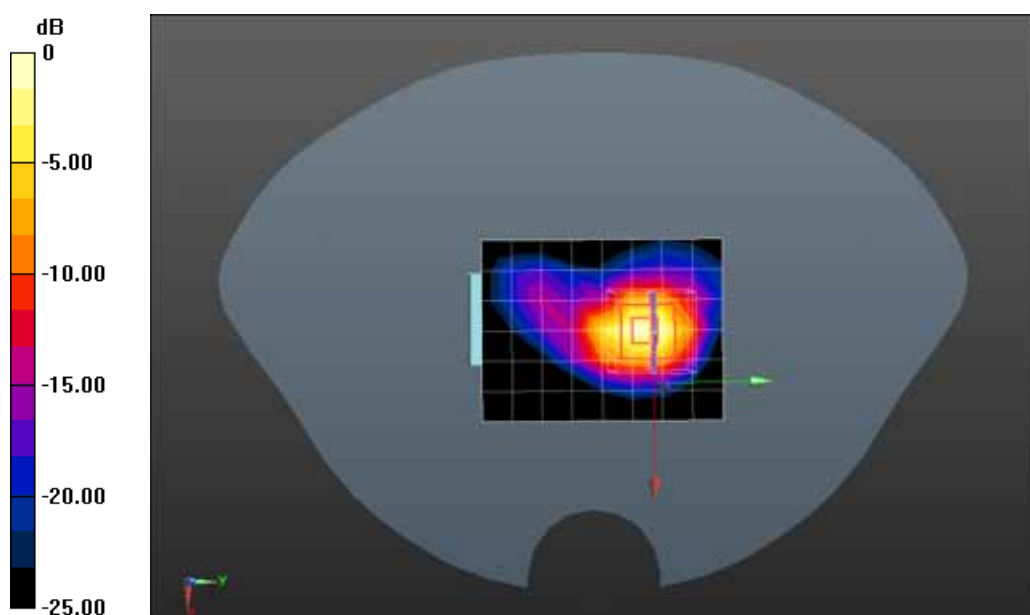
Maximum value of SAR (measured) = 1.46 W/kg

Configuration/802.11b 2462MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 9.422 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.233 W/kg Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

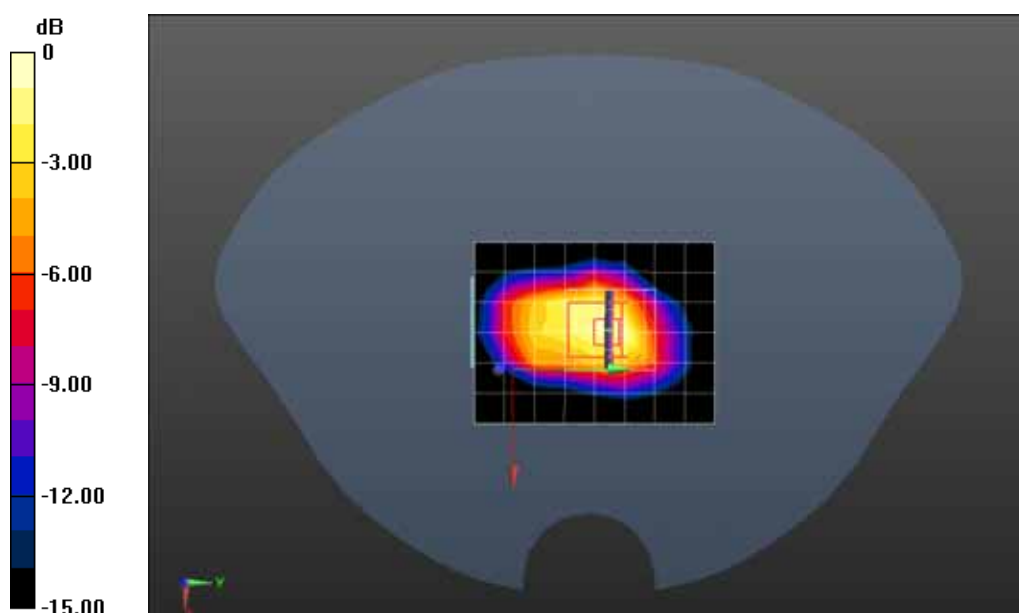
Maximum value of SAR (measured) = 0.368 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 12.46 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.179 W/kg Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Down-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body- Horizontal Down /Area Scan (7x9x1): Measurement grid:

$dx=12$ mm, $dy=12$ mm

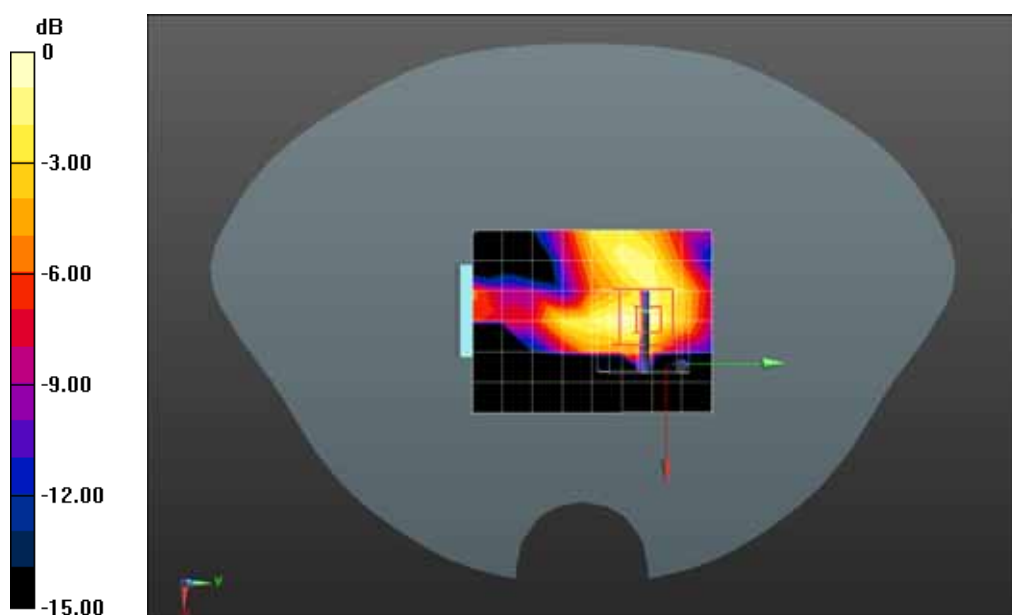
Maximum value of SAR (measured) = 0.0189 W/kg

Configuration/802.11b 2437MHz Body- Horizontal Down /Zoom Scan (5x5x7)/Cube 0: Measurement

grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm, Reference Value = 2.678 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0280 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.013 W/kg Maximum value of SAR (measured) = 0.0203 W/kg



0 dB = 0.0203 W/kg = -16.93 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Vertical Front-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Vertical Front/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

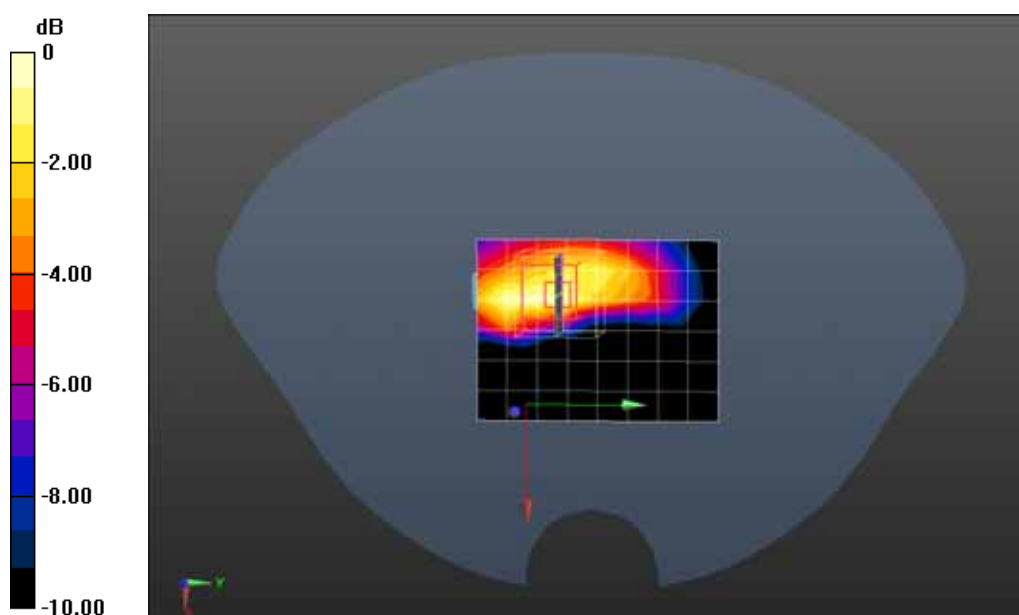
Maximum value of SAR (measured) = 0.0721 W/kg

Configuration/802.11b 2437MHz Body-Vertical Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.100 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.034 W/kg Maximum value of SAR (measured) = 0.0751 W/kg



0 dB = 0.0751 W/kg = -11.24 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Vertical Back-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Vertical Back/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

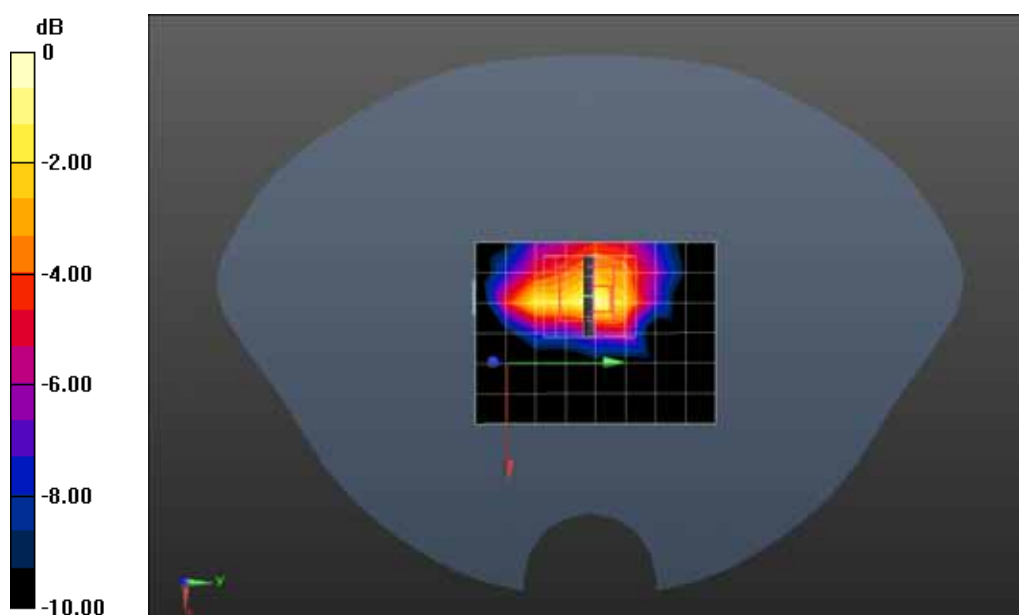
Maximum value of SAR (measured) = 0.0342 W/kg

Configuration/802.11b 2437MHz Body-Vertical Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 2.900 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0720 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.015 W/kg Maximum value of SAR (measured) = 0.0371 W/kg



0 dB = 0.0371 W/kg = -14.31 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Tip-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

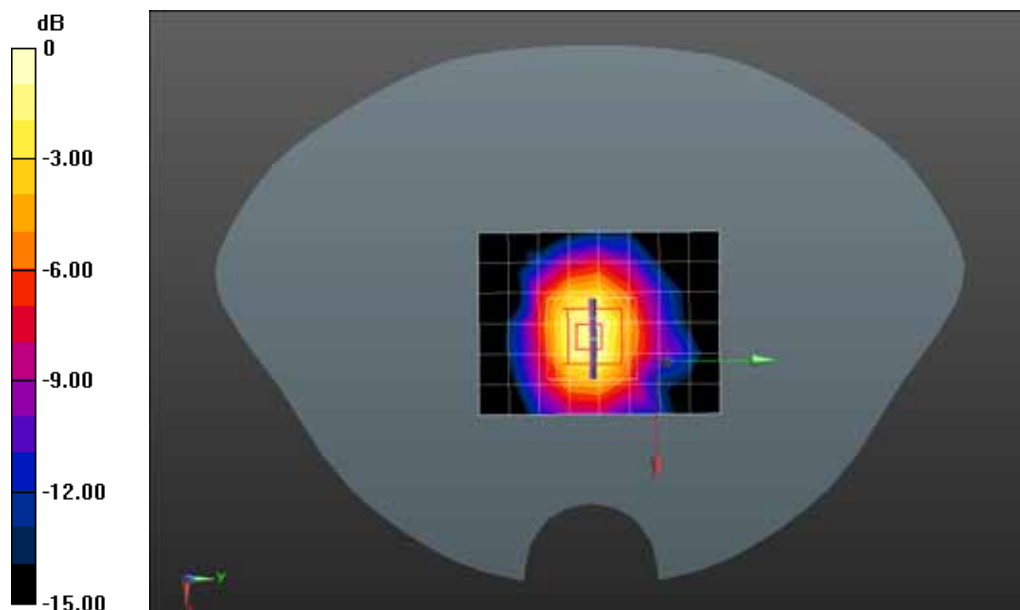
Configuration/802.11b 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0767 W/kg

Configuration/802.11b 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.871 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.006 W/kg Maximum value of SAR (measured) = 0.0875 W/kg



0 dB = 0.0875 W/kg = -10.58 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-antenna extended-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

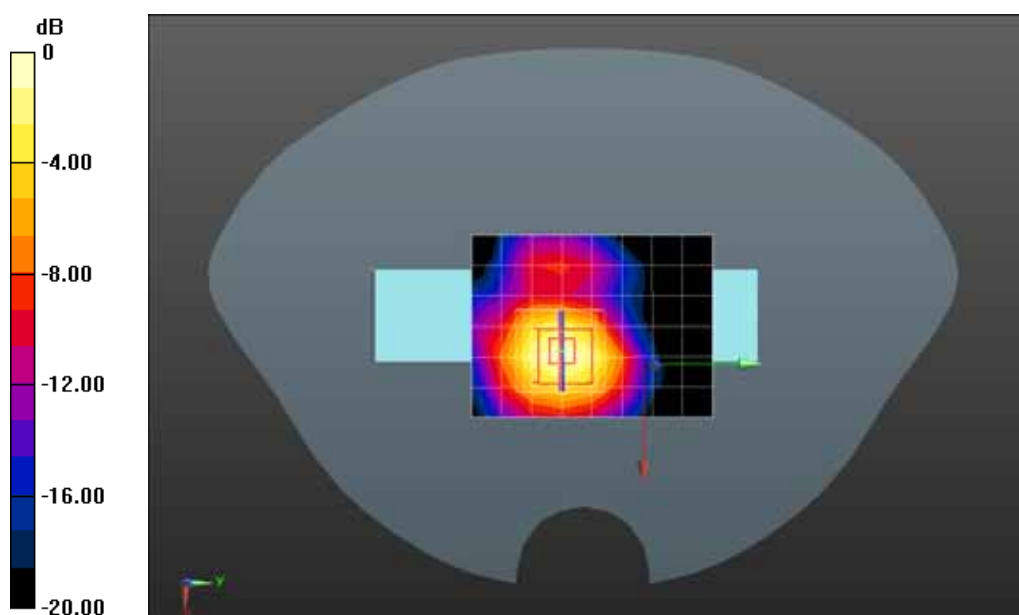
Maximum value of SAR (measured) = 0.278 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.146 W/kg Maximum value of SAR (measured) = 0.292 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-antenna towards phantom-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

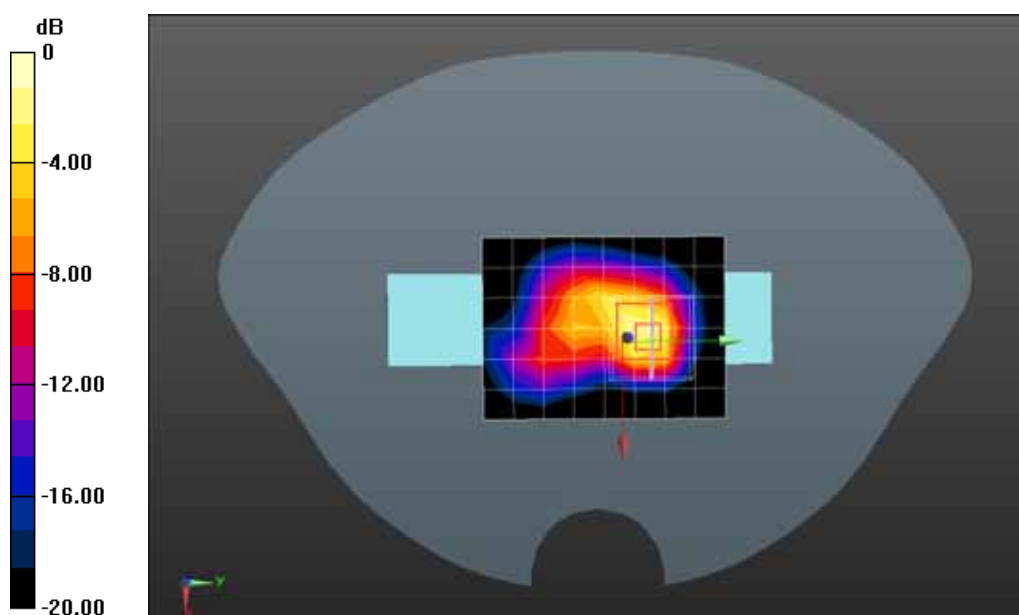
Maximum value of SAR (measured) = 0.974 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.87 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.430 W/kg Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Horizontal Up-antenna towards phantom-Ant2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

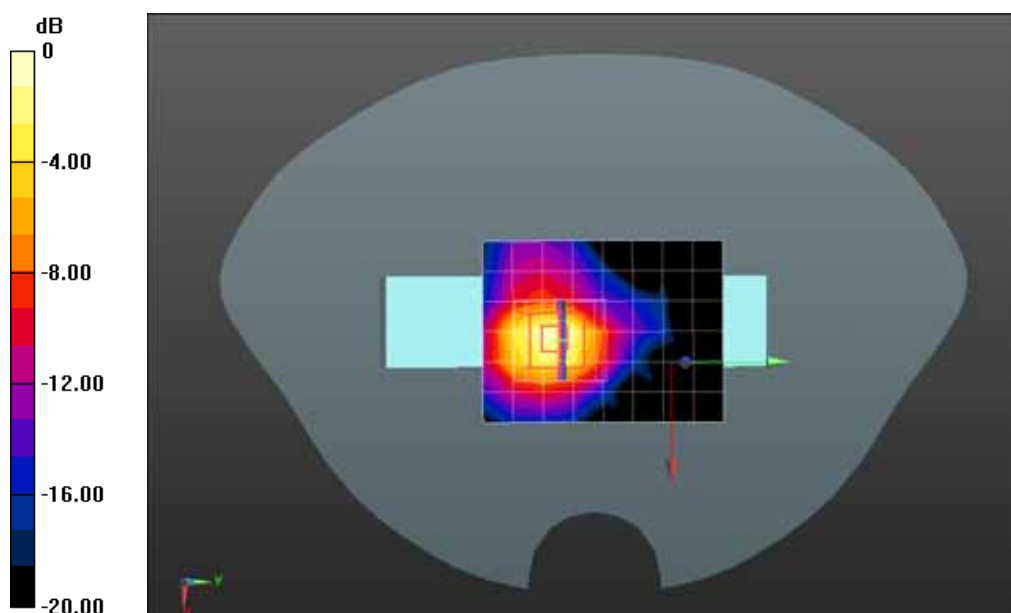
Maximum value of SAR (measured) = 0.280 W/kg

Configuration/802.11b 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.232 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.523 W/kg Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11b 2437MHz Body-Tip-antenna extended-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11b; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

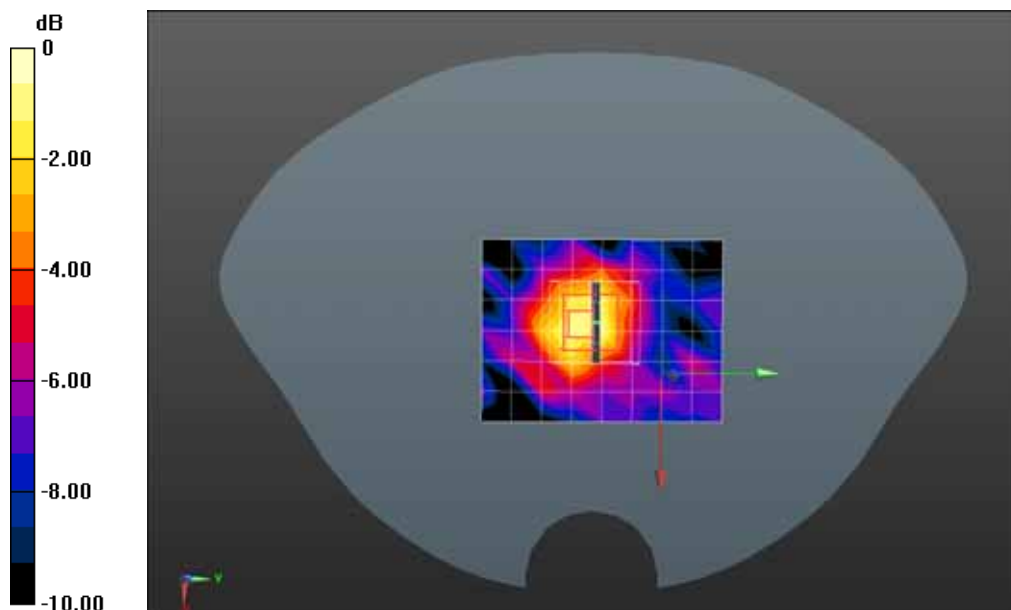
Configuration/802.11b 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0135 W/kg

Configuration/802.11b 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 2.861 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0330 W/kg

SAR(1 g) = 0.004 W/kg; SAR(10 g) = 0.00588 W/kg Maximum value of SAR (measured) = 0.0155 W/kg



0 dB = 0.0155 W/kg = -18.10 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

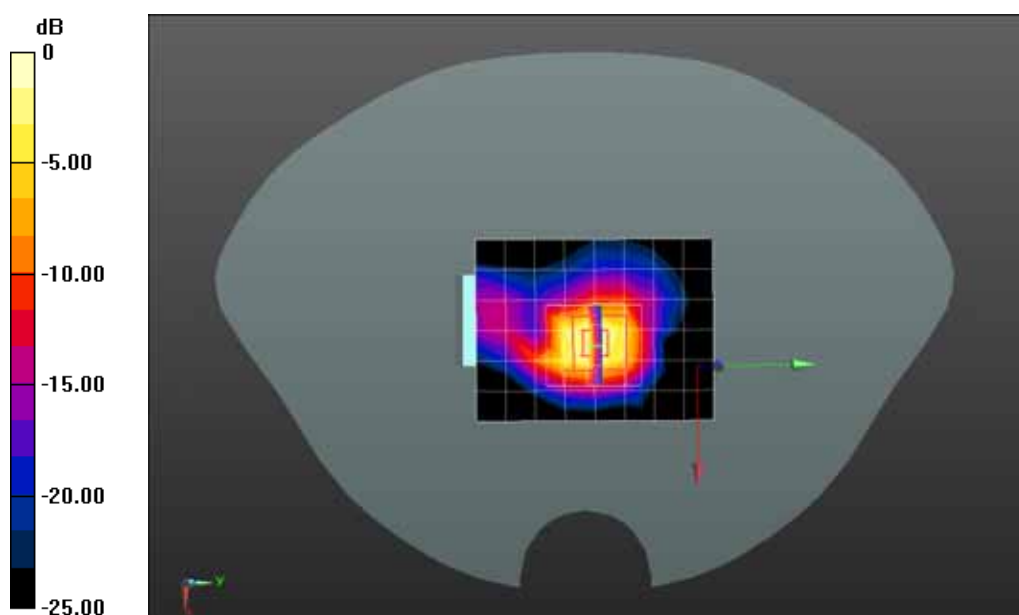
Maximum value of SAR (measured) = 0.922 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.19 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.395 W/kg Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-Ant1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

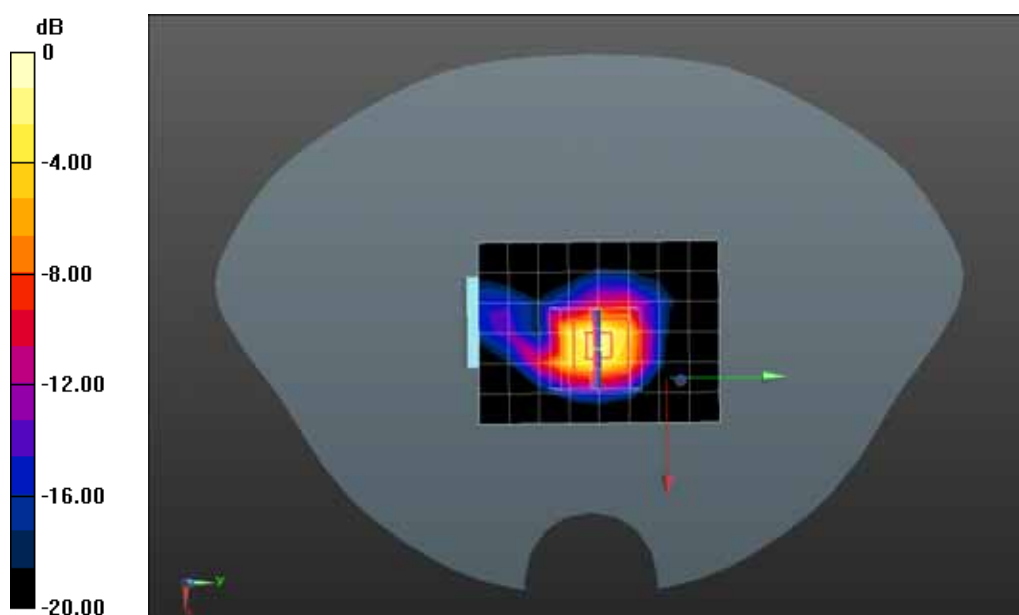
Maximum value of SAR (measured) = 1.13 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 17.78 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.289 W/kg Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-antenna towards phantom-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

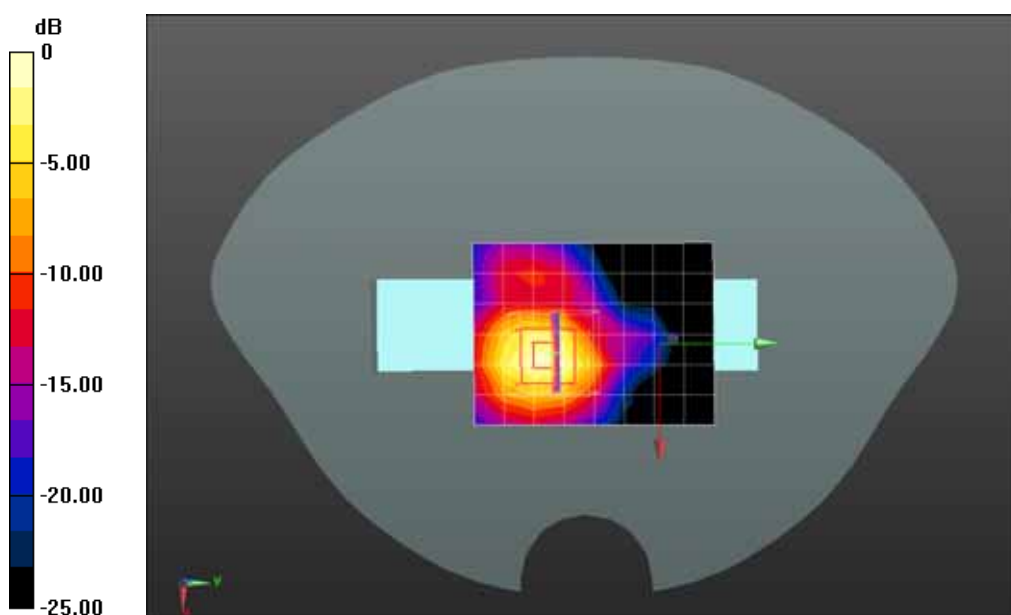
Maximum value of SAR (measured) = 0.662 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.091 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.294 W/kg Maximum value of SAR (measured) = 0.764 W/kg



0 dB = 0.764 W/kg = -1.17 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2462MHz Body-Horizontal Up-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 52.21$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2462MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

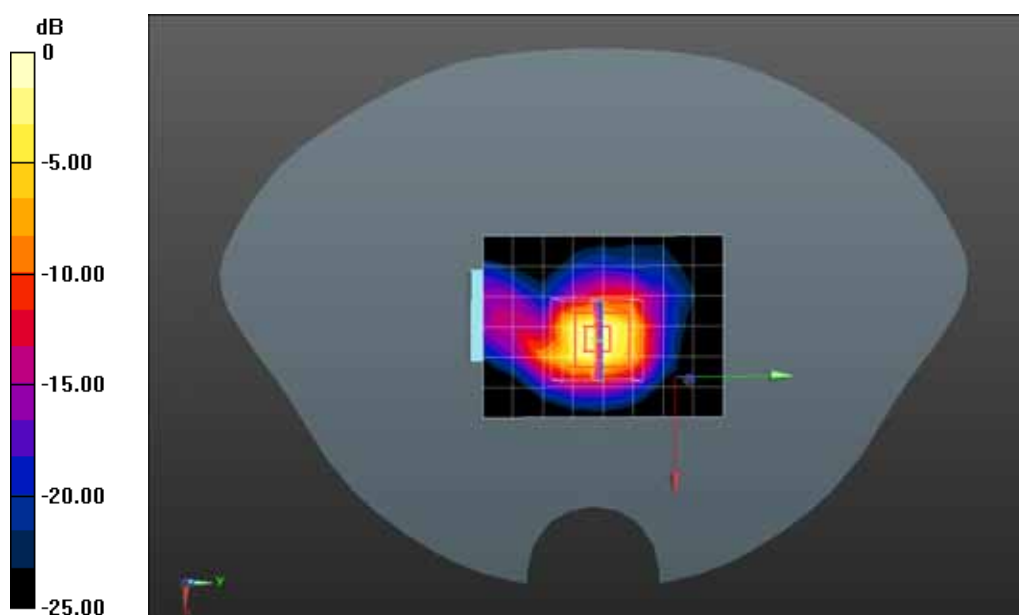
Maximum value of SAR (measured) = 1.13 W/kg

Configuration/802.11g 2462MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 17.97 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.04 W/kg

SAR(1 g) = 1.00 W/kg; SAR(10 g) = 0.279 W/kg Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

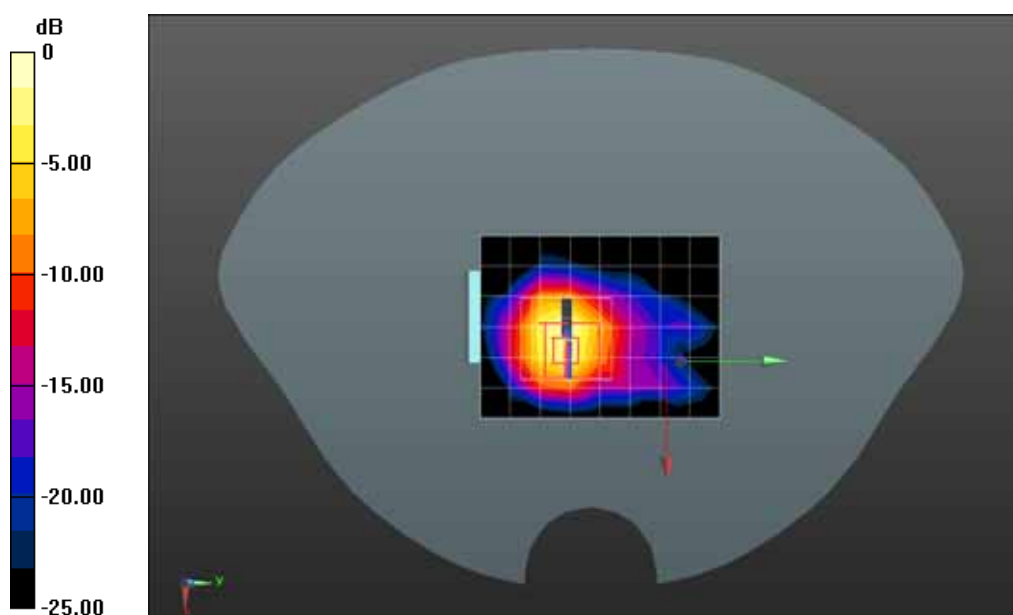
Maximum value of SAR (measured) = 0.397 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.177 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.131 W/kg Maximum value of SAR (measured) = 0.482 W/kg



0 dB = 0.482 W/kg = -3.17 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-antenna towards phantom-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up Antenna rotate/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

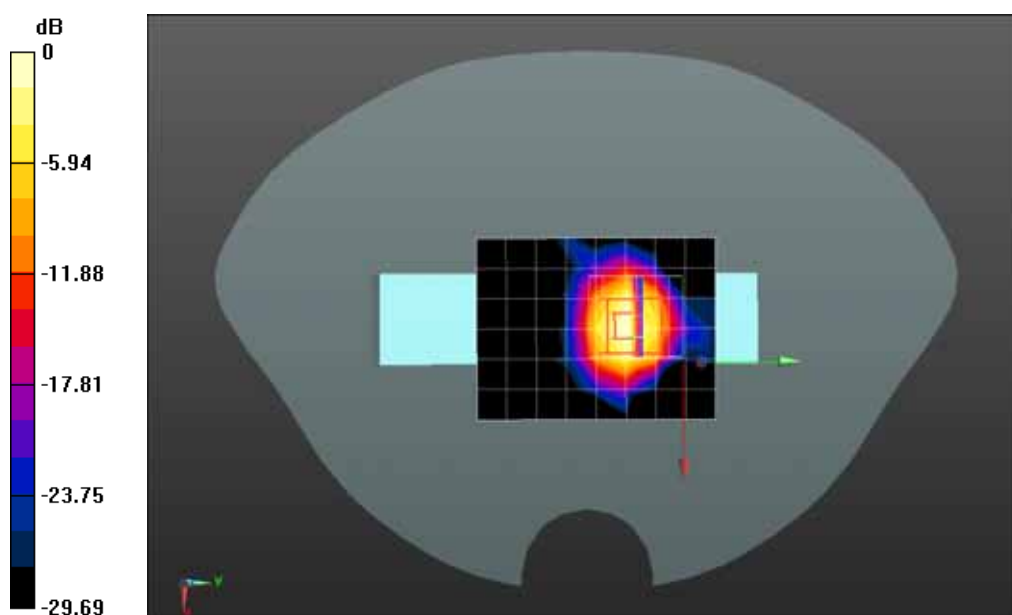
Maximum value of SAR (measured) = 1.16 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 7.261 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.376 W/kg Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2437MHz Body-Horizontal Up-antenna towards phantom-Ant2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

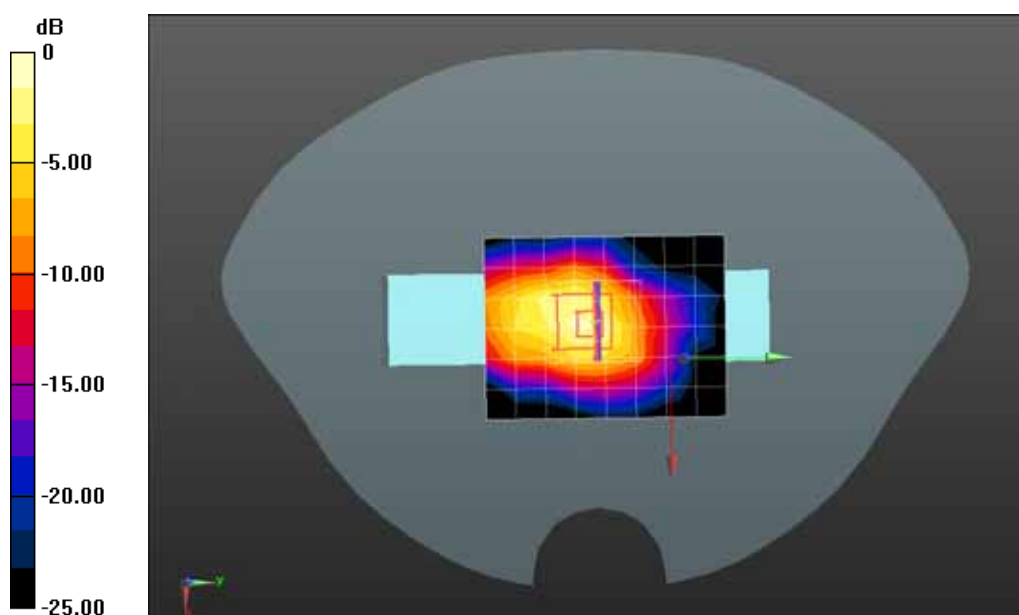
Maximum value of SAR (measured) = 0.504 W/kg

Configuration/802.11g 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 16.94 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 1.00 W/kg; SAR(10 g) = 0.088 W/kg Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11g 2462MHz Body-Horizontal Up-antenna towards phantom-Ant2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11g; Duty Cycle: 1:1.0;

Frequency: 2462 MHz; Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 52.21$; $\rho = 1000$ 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11g 2462MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

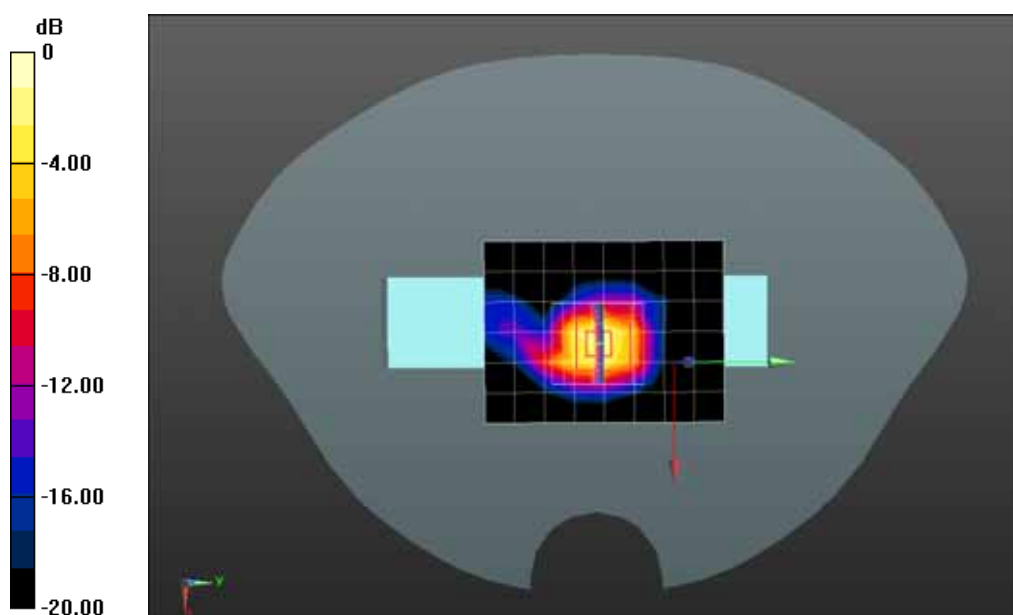
Maximum value of SAR (measured) = 1.07 W/kg

Configuration/802.11g 2462MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 17.23 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.265 W/kg Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Horizontal Up

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

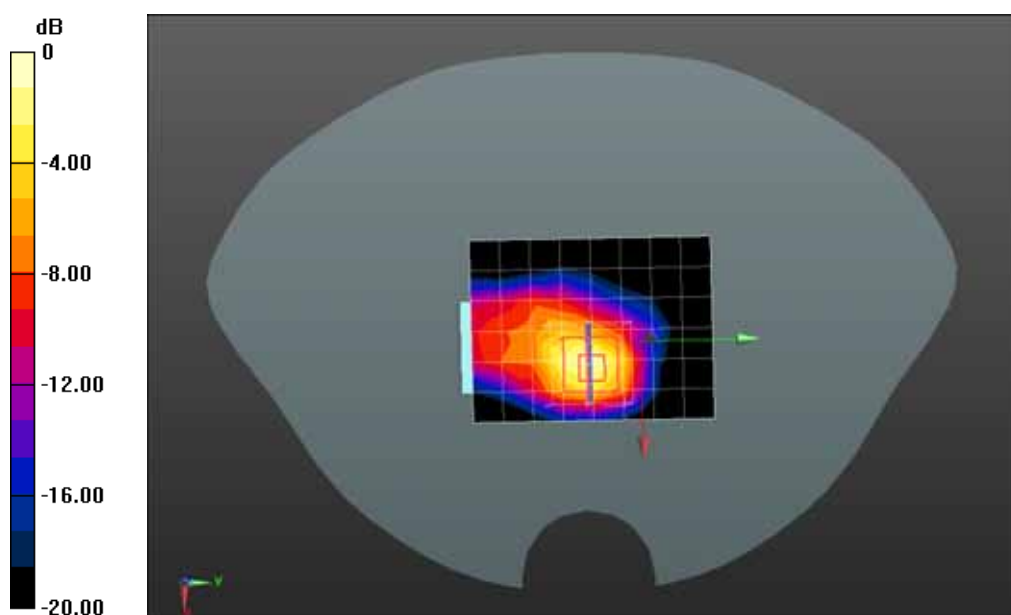
Maximum value of SAR (measured) = 1.16 W/kg

Configuration/802.11n20 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.28 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.59 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.453 W/kg Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Horizontal Up*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

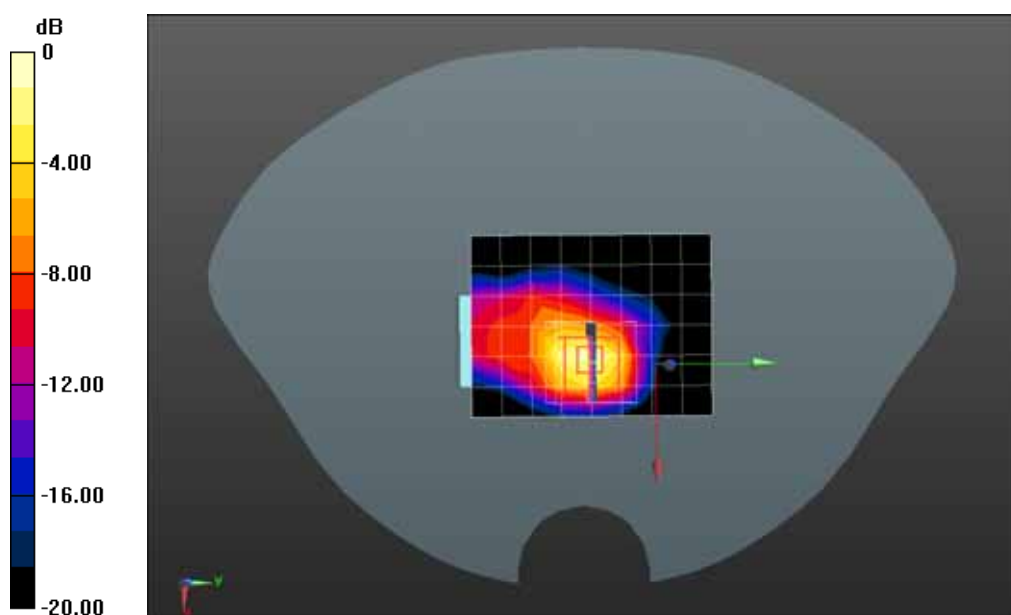
Maximum value of SAR (measured) = 1.37 W/kg

Configuration/802.11n20 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.84 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.254 W/kg Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Horizontal Down

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Horizontal Down/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

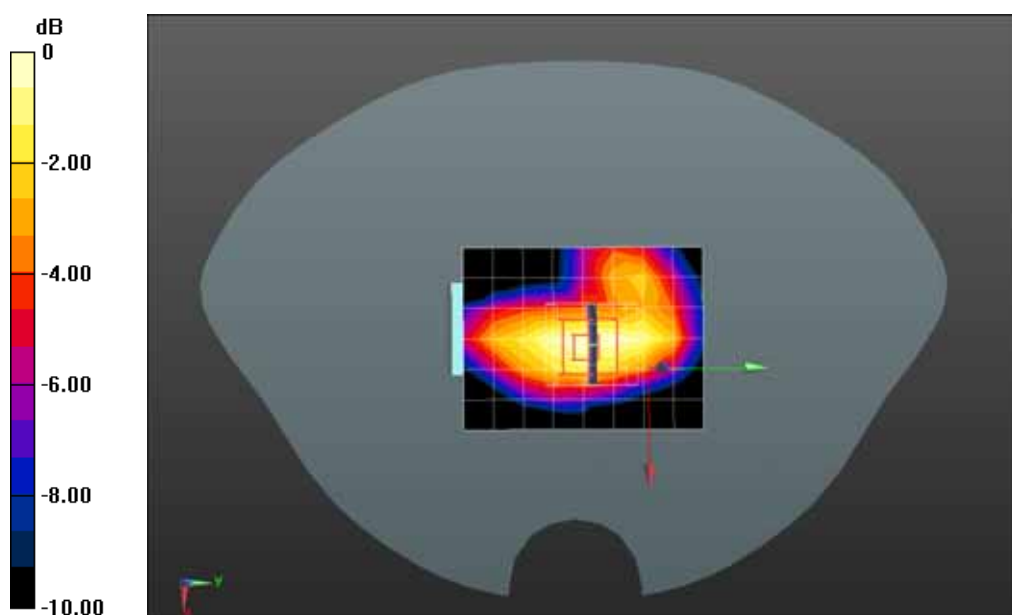
Maximum value of SAR (measured) = 0.113 W/kg

Configuration/802.11n20 2437MHz Body-Horizontal Down/Zoom Scan (5x5x7)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 6.973 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.054 W/kg Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Vertical Front

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Vertical Front/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

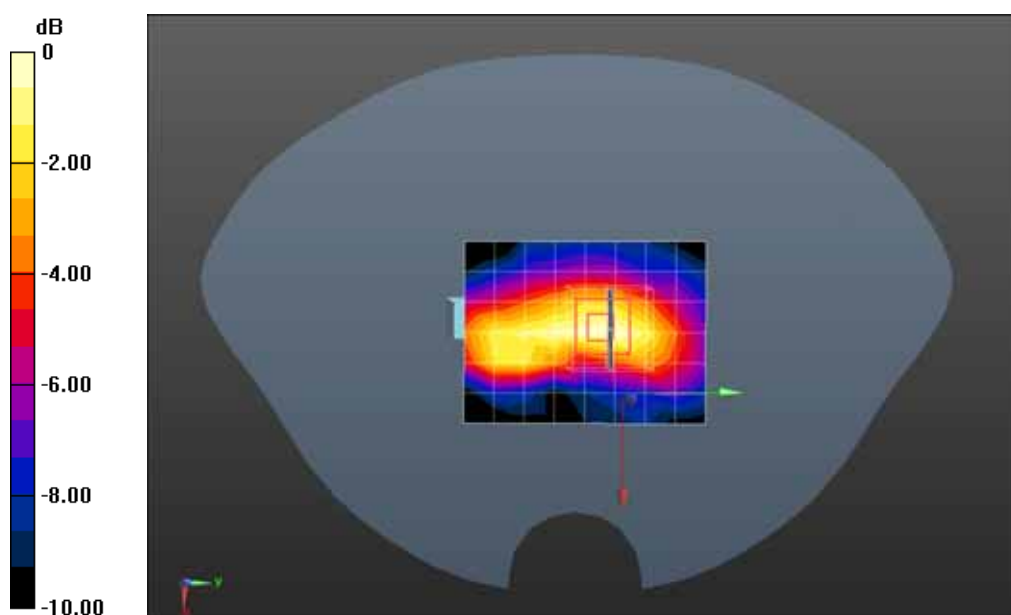
Maximum value of SAR (measured) = 0.0634 W/kg

Configuration/802.11n20 2437MHz Body-Vertical Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 5.590 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.029 W/kg Maximum value of SAR (measured) = 0.0640 W/kg



0 dB = 0.0640 W/kg = -11.94 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Vertical Back

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Vertical Back/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

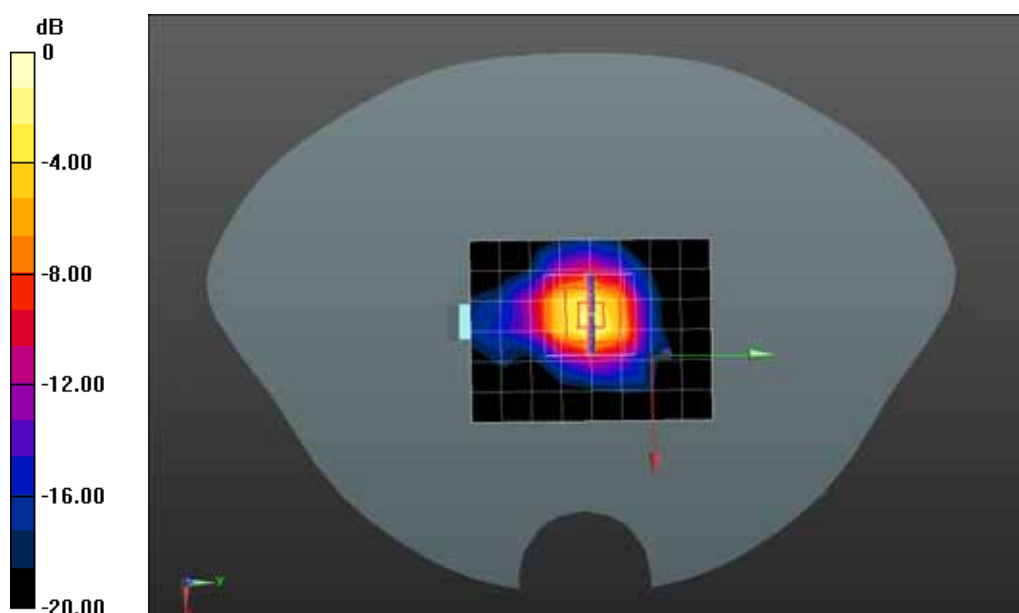
Maximum value of SAR (measured) = 0.571 W/kg

Configuration/802.11n20 2437MHz Body-Vertical Back/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 19.20 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.286 W/kg Maximum value of SAR (measured) = 0.841 W/kg



0 dB = 0.841 W/kg = -0.75 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Tip

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

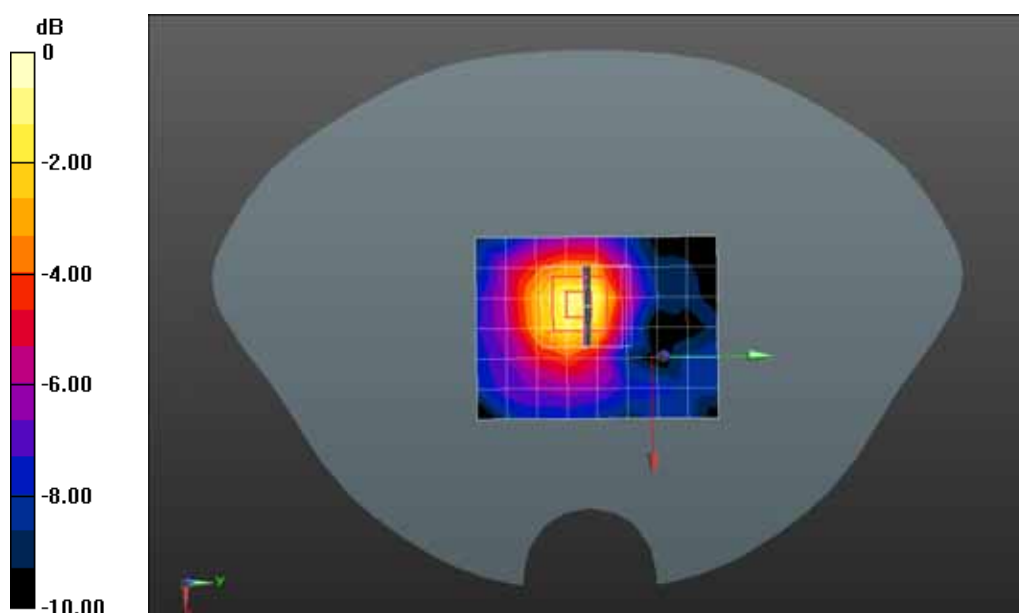
Configuration/802.11n20 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0395 W/kg

Configuration/802.11n20 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 4.702 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0820 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.021 W/kg Maximum value of SAR (measured) = 0.0479 W/kg



0 dB = 0.0479 W/kg = -13.20 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Horizontal Up-antenna extended

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

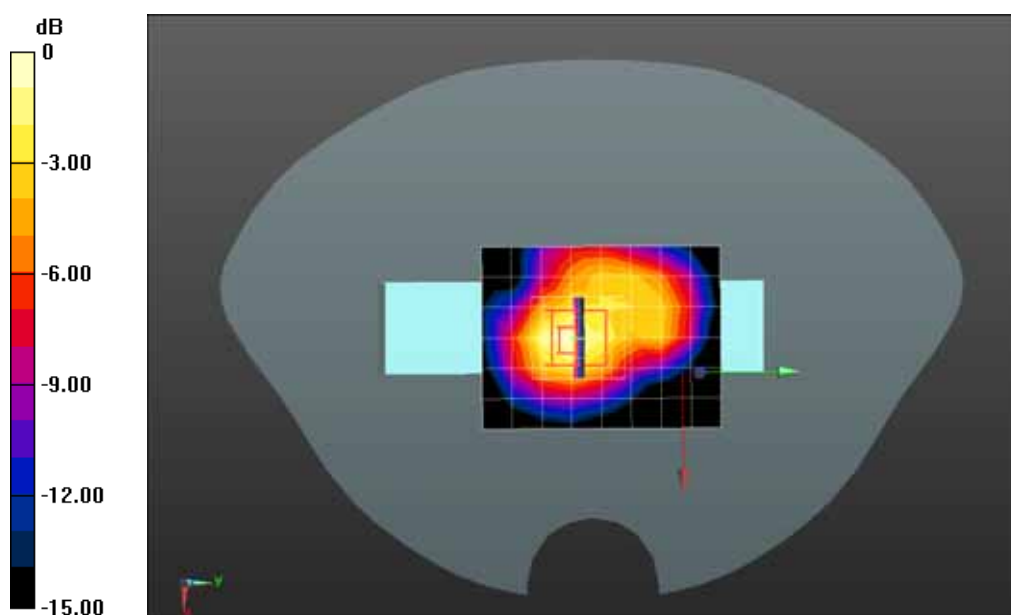
Maximum value of SAR (measured) = 0.495 W/kg

Configuration/802.11n20 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 13.51 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.879 W/kg

SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.201 W/kg Maximum value of SAR (measured) = 0.486 W/kg



0 dB = 0.486 W/kg = -3.13 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Horizontal Up-antenna towards phantom

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

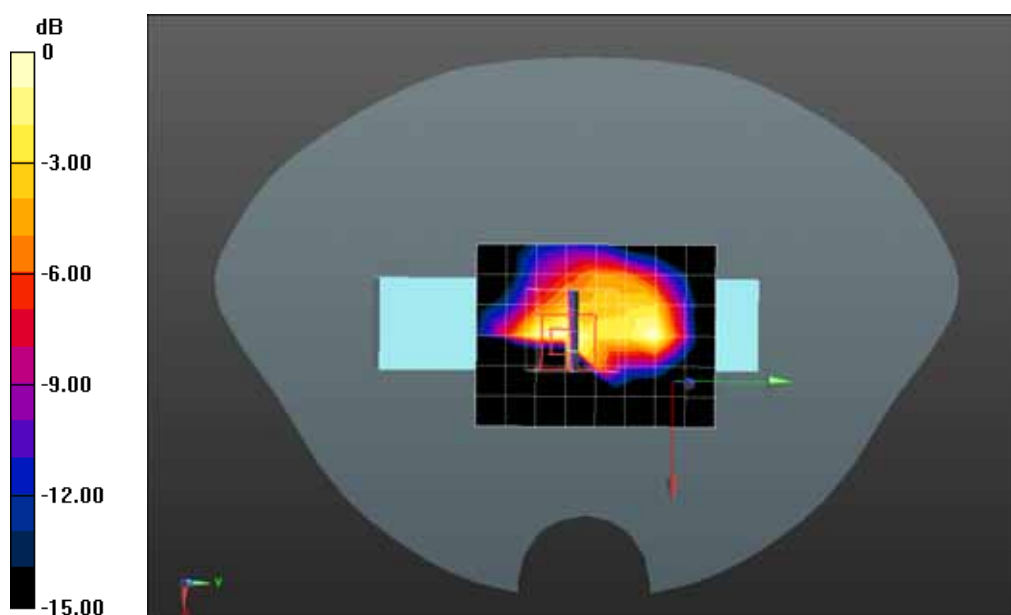
Maximum value of SAR (measured) = 0.908 W/kg

Configuration/802.11n20 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 15.50 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.354 W/kg Maximum value of SAR (measured) = 0.823 W/kg



0 dB = 0.823 W/kg = -0.85 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2437MHz Body-Tip-antenna extended

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

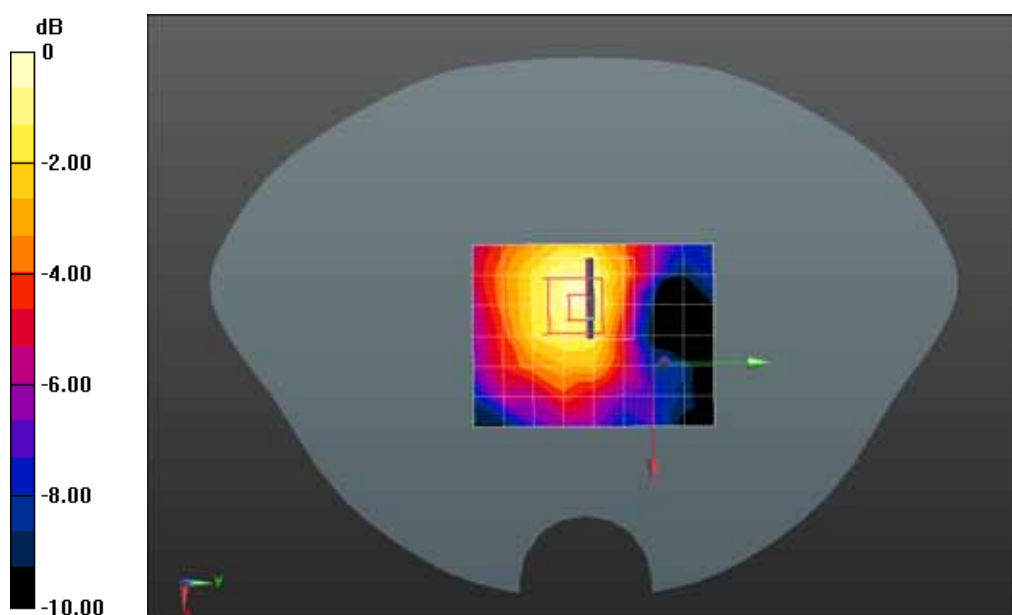
Configuration/802.11n20 2437MHz Body-Tip/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0293 W/kg

Configuration/802.11n20 2437MHz Body-Tip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 3.602 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.016 W/kg Maximum value of SAR (measured) = 0.0312 W/kg



0 dB = 0.0312 W/kg = -15.06 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 2462MHz Body-Horizontal Up

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(20MHz); Duty Cycle:

1:1.0; Frequency: 2462 MHz; Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ S/m}$; $\epsilon_r = 52.21$; $\rho = 1000 \text{ kg/m}^3$; 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 2462MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

$dx=12\text{mm}$, $dy=12\text{mm}$

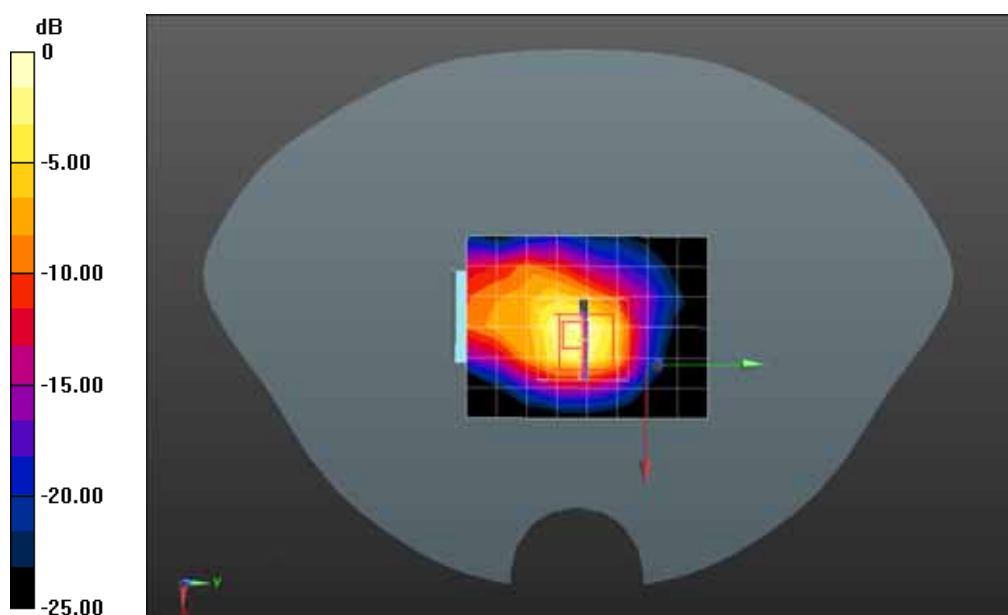
Maximum value of SAR (measured) = 1.04 W/kg

Configuration/802.11n20 2462MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$, Reference Value = 19.41 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 4.96 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.125 W/kg Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n40 2437MHz Body-Horizontal Up

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(40MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n40 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

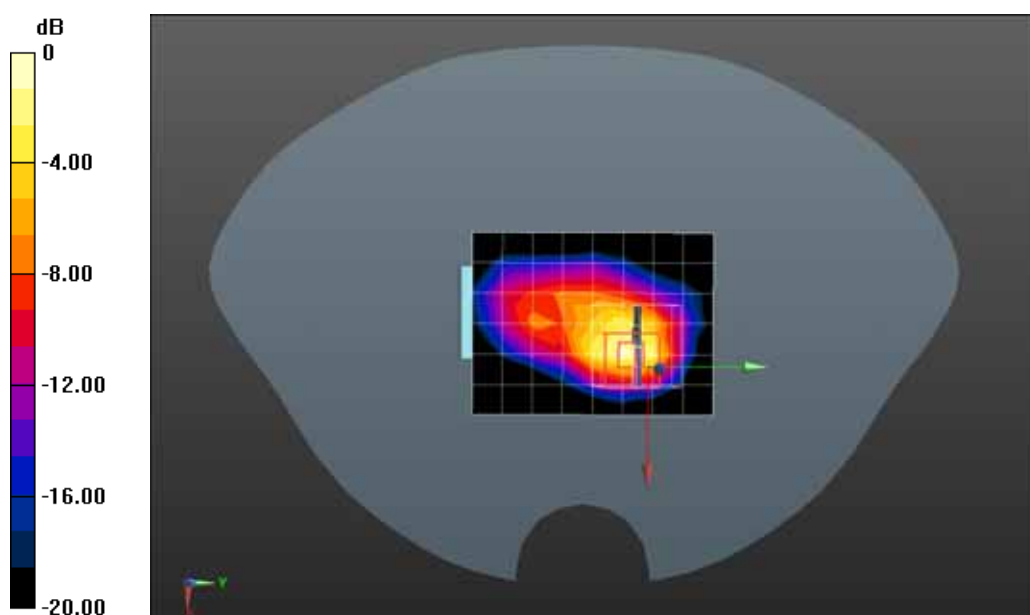
Maximum value of SAR (measured) = 1.05 W/kg

Configuration/802.11n40 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 11.53 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.333 W/kg Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n40 2437MHz Body-Horizontal Up*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(40MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n40 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

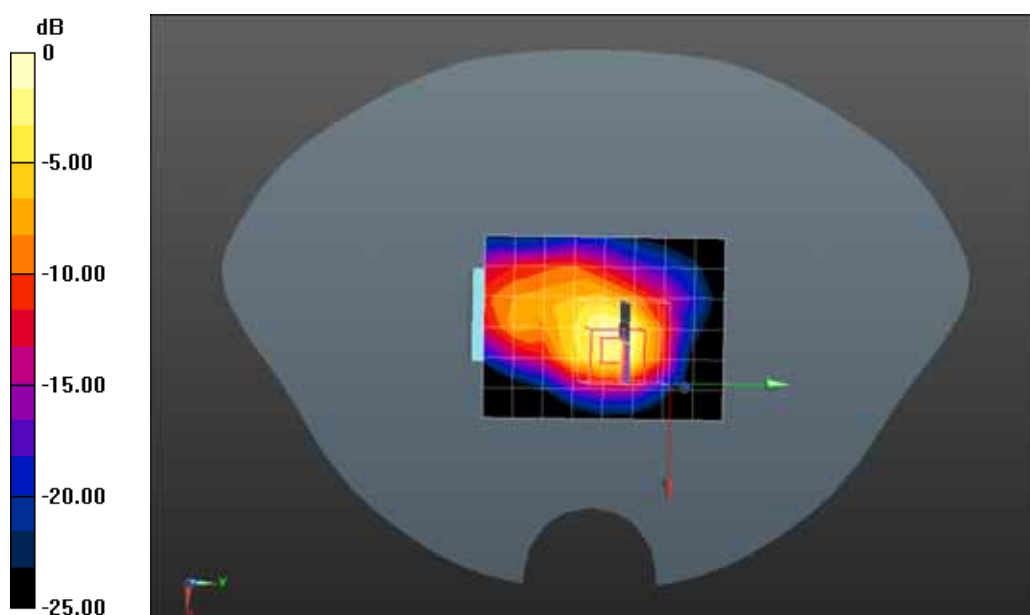
Maximum value of SAR (measured) = 1.15 W/kg

Configuration/802.11n40 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 18.85 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.188 W/kg Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n40 2437MHz Body-Horizontal Up-antenna extended

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(40MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n40 2437MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

dx=12mm, dy=12mm

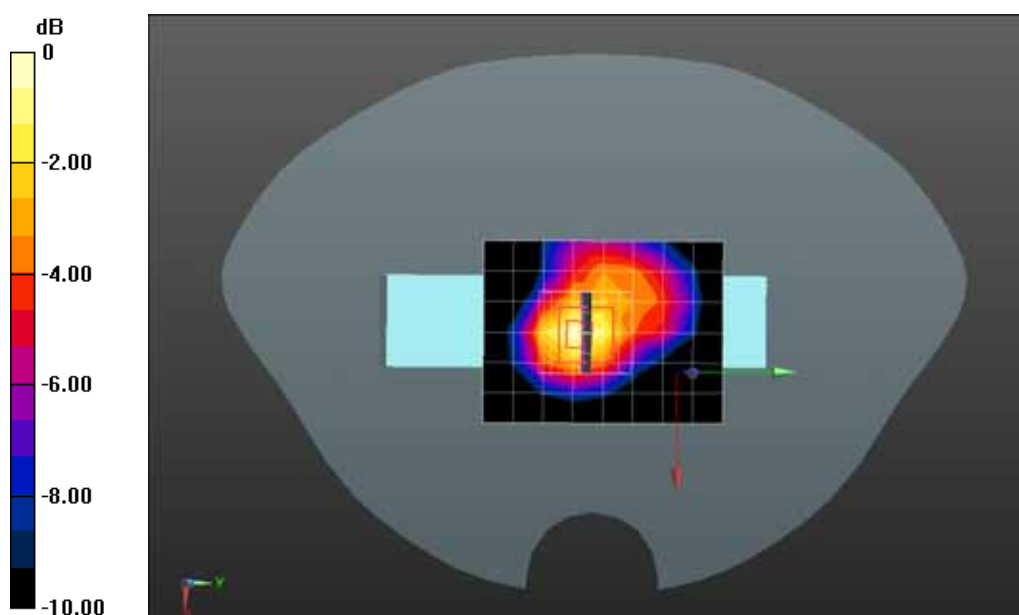
Maximum value of SAR (measured) = 0.326 W/kg

Configuration/802.11n40 2437MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm, Reference Value = 10.98 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.157 W/kg Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n40 2437MHz Body-Horizontal Up-antenna towards phantom

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(40MHz); Duty Cycle:

1:1.0; Frequency: 2437 MHz; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$

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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n40 2437MHz Body-Horizontal Up-Antenna rotate/Area Scan

(7x9x1): Measurement grid: dx=12mm, dy=12mm

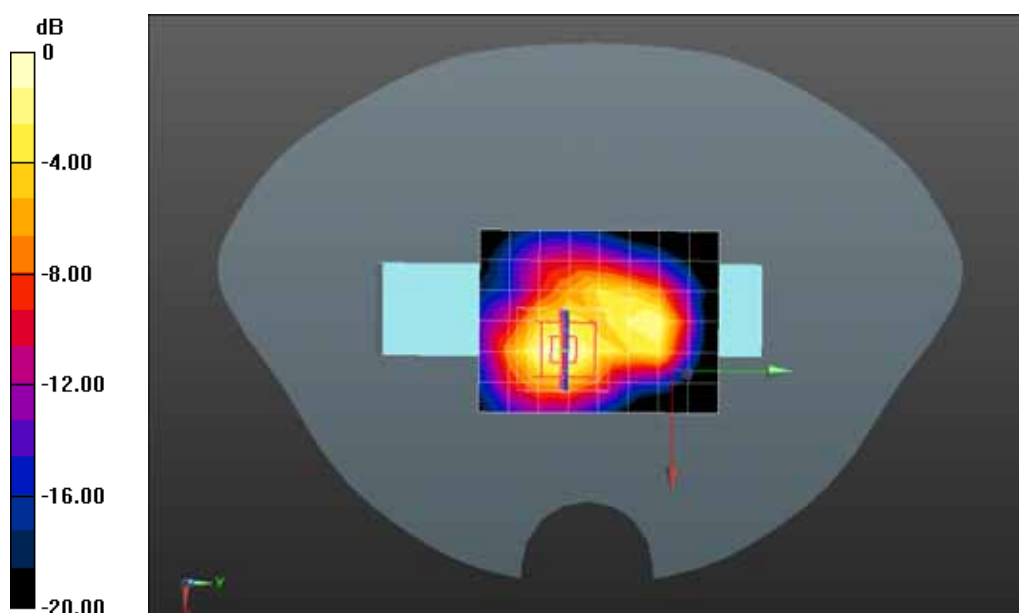
Maximum value of SAR (measured) = 1.07 W/kg

Configuration/802.11n40 2437MHz Body-Horizontal Up-Antenna rotate/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm, Reference Value = 14.87 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.422 W/kg Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n40 2452MHz Body-Horizontal Up

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, Wi-Fi (0); Communication System Band: 802.11n(40MHz); Duty Cycle:

1:1.0; Frequency: 2452 MHz; Medium parameters used: $f = 2452 \text{ MHz}$; $\sigma = 1.97 \text{ S/m}$; $\epsilon_r = 52.26$; $\rho = 1000 \text{ kg/m}^3$; 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: 19/02/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM1; Type: SAM; Serial: TP1561
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n40 2452MHz Body-Horizontal Up/Area Scan (7x9x1): Measurement grid:

$dx=12\text{mm}$, $dy=12\text{mm}$

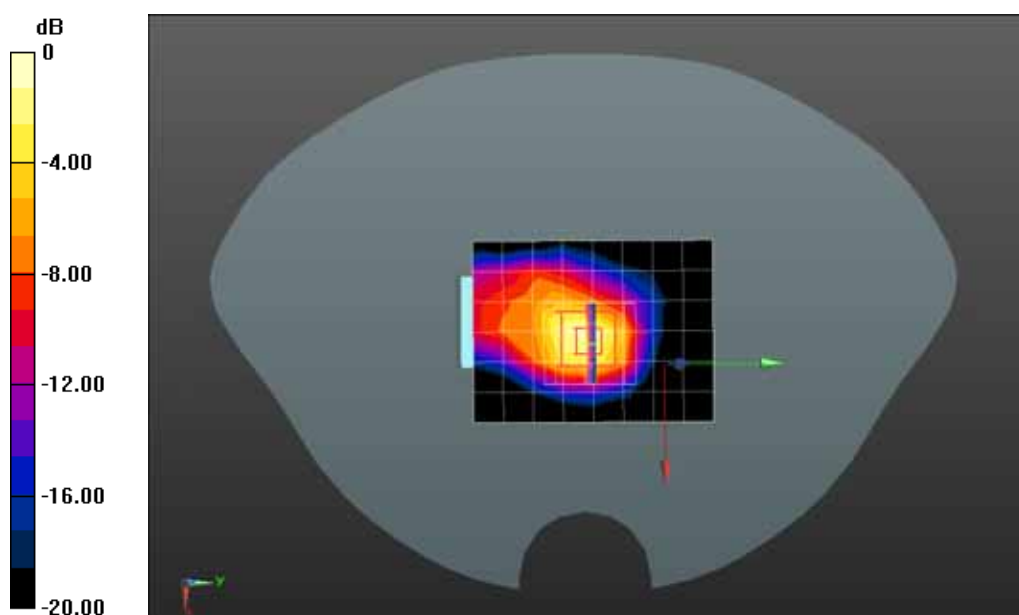
Maximum value of SAR (measured) = 0.712 W/kg

Configuration/802.11n40 2452MHz Body-Horizontal Up/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$, Reference Value = 15.13 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.301 W/kg Maximum value of SAR (measured) = 0.796 W/kg



0 dB = 0.796 W/kg = -0.99 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal UP-Ant1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

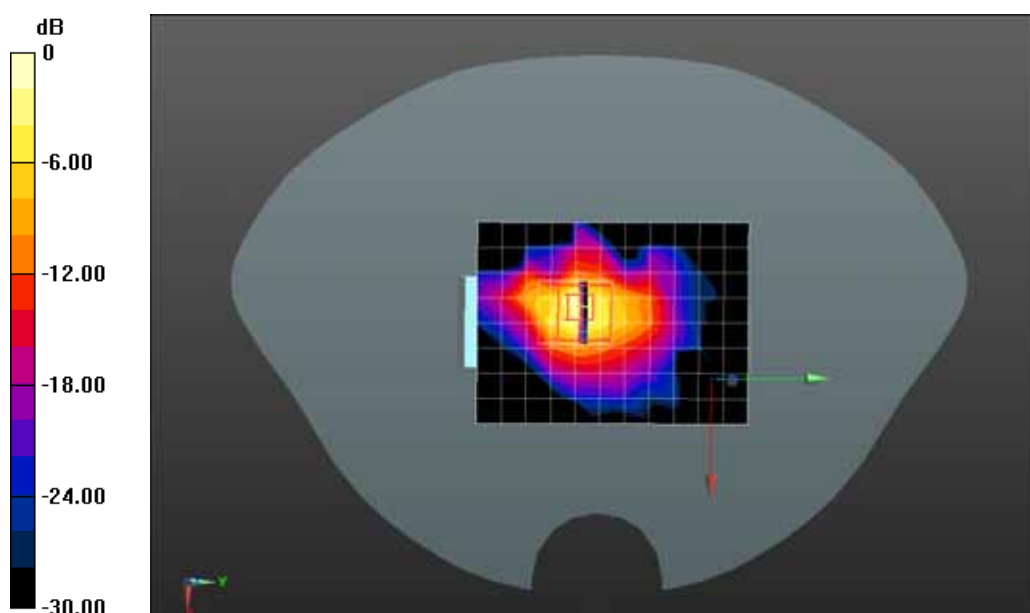
Maximum value of SAR (measured) = 1.75 W/kg

Configuration/802.11a 5200MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm, Reference Value = 9.328 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.293 W/kg Maximum value of SAR (measured) = 2.11 W/kg



0 dB = 2.11 W/kg = 3.24 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal Up-An1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

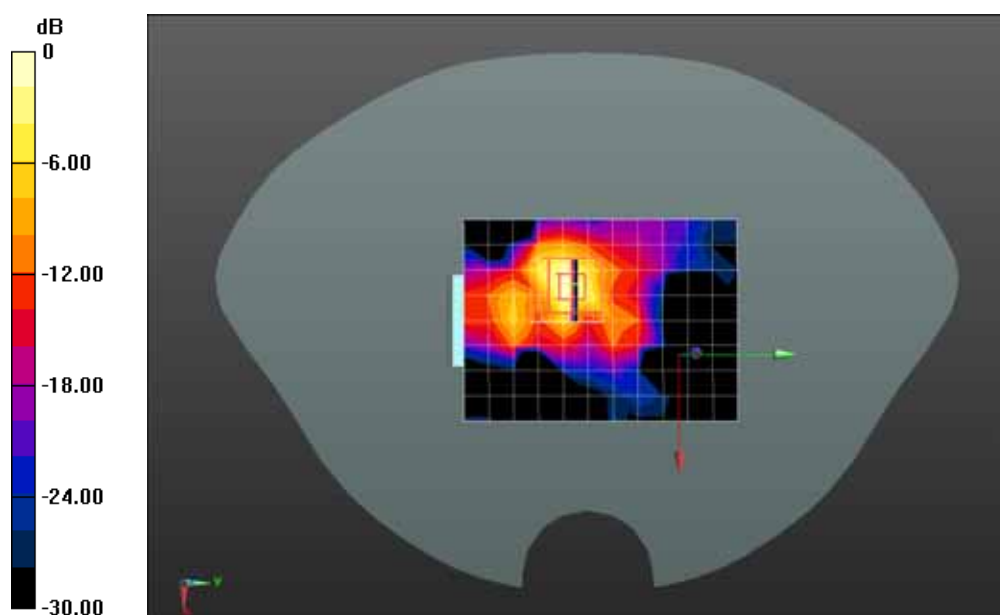
Maximum value of SAR (measured) = 1.81 W/kg

Configuration/802.11a 5200MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm, Reference Value = 3.128 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.307 W/kg Maximum value of SAR (measured) = 2.25 W/kg



0 dB = 2.25 W/kg = 3.52 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5180MHz Body-Horizontal Up-An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.2 \text{ S/m}$; $\epsilon_r = 49.49$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5180MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.89 W/kg

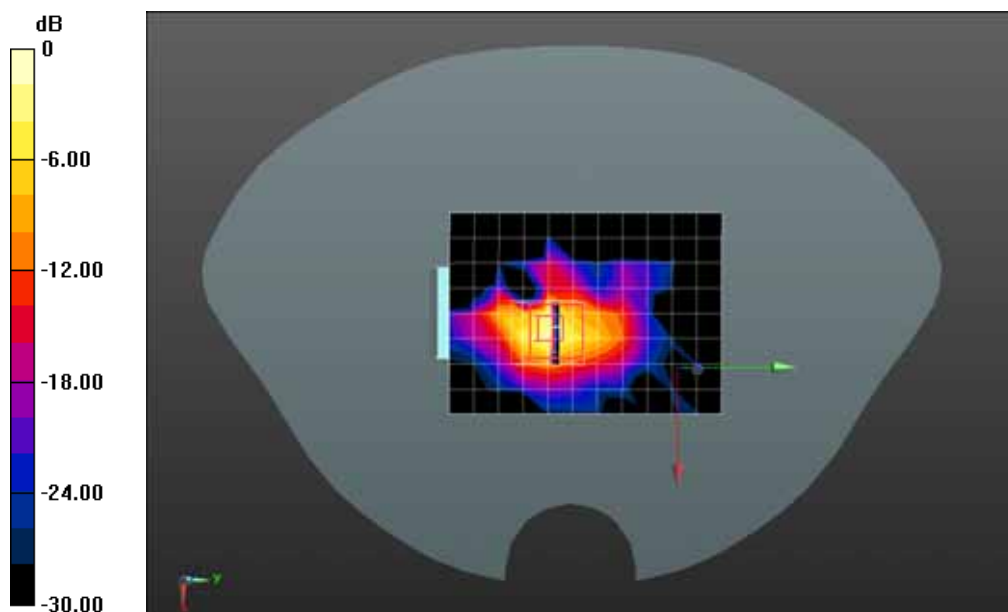
Configuration/802.11a 5180MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 6.674 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 4.72 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.214 W/kg Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.51 W/kg

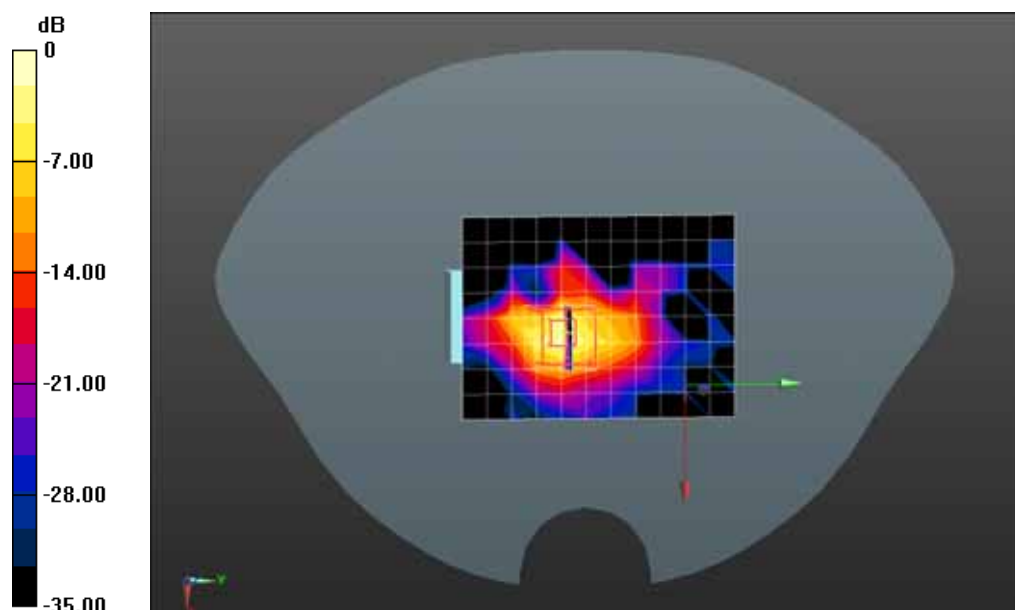
Configuration/802.11a 5200MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.960 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.351 W/kg Maximum value of SAR (measured) = 2.03 W/kg



0 dB = 2.03 W/kg = 3.07 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal Up- An2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.00 W/kg

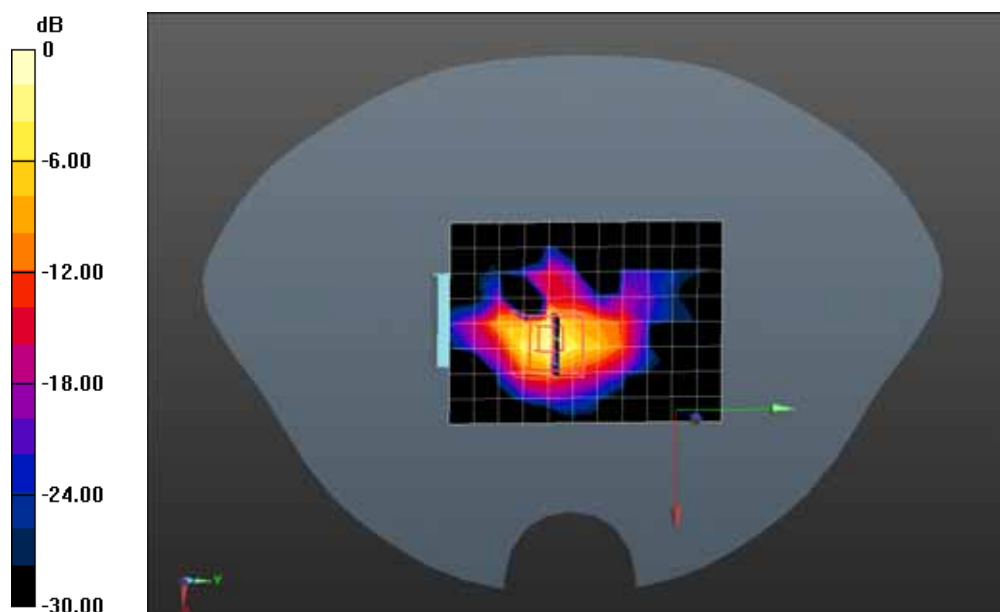
Configuration/802.11a 5200MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.652 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 5.20 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.152 W/kg Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5180MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.2$ S/m; $\epsilon_r = 49.49$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5180MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.51 W/kg

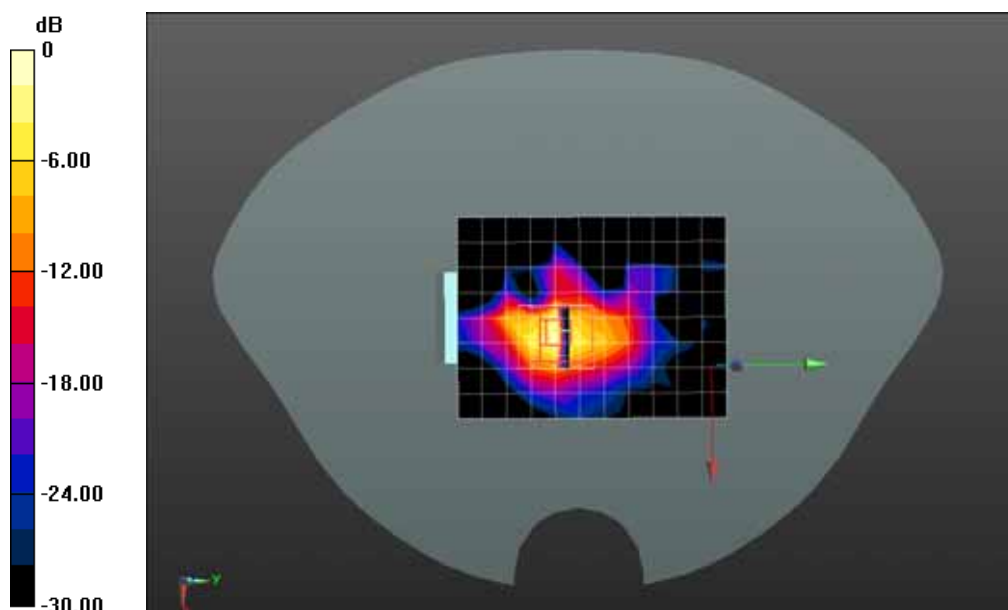
Configuration/802.11a 5180MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.941 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.352 W/kg Maximum value of SAR (measured) = 2.03 W/kg



0 dB = 2.03 W/kg = 3.07 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.80 W/kg

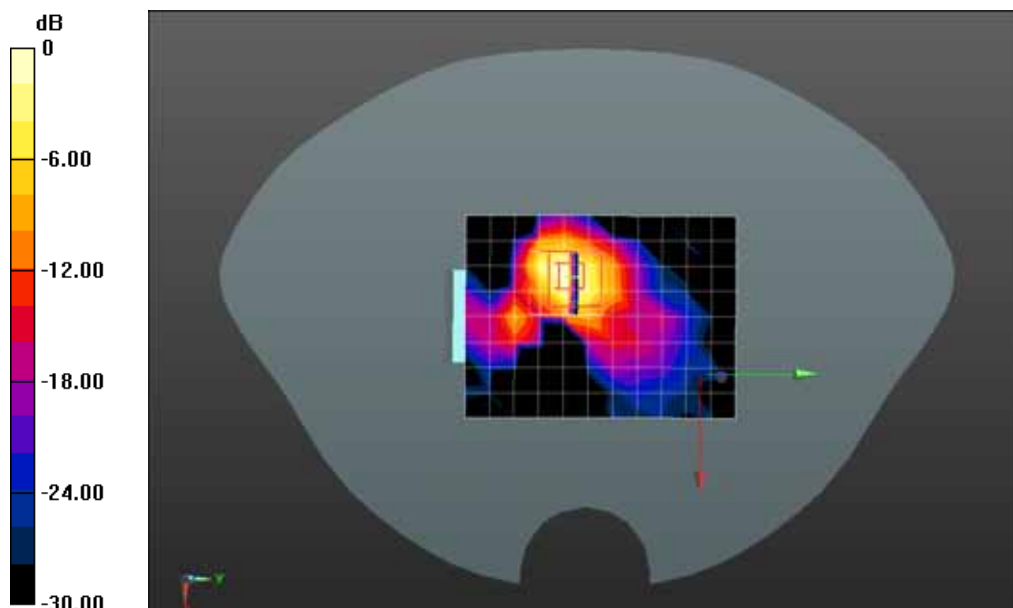
Configuration/802.11a 5200MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.817 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.319 W/kg Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg = 3.14 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5200MHz Body-Horizontal UP- An3*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5200MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.03 W/kg

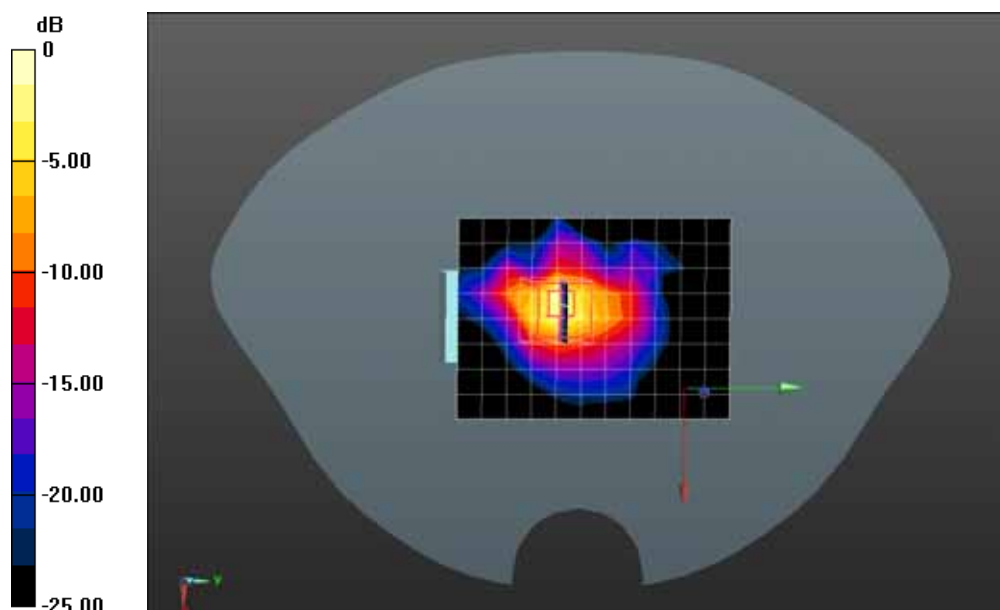
Configuration/802.11a 5200MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 10.06 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.344 W/kg Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5180MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5180 MHz; Medium parameters used: $f = 5180$ MHz; $\sigma = 5.2$ S/m; $\epsilon_r = 49.49$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5180MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.46 W/kg

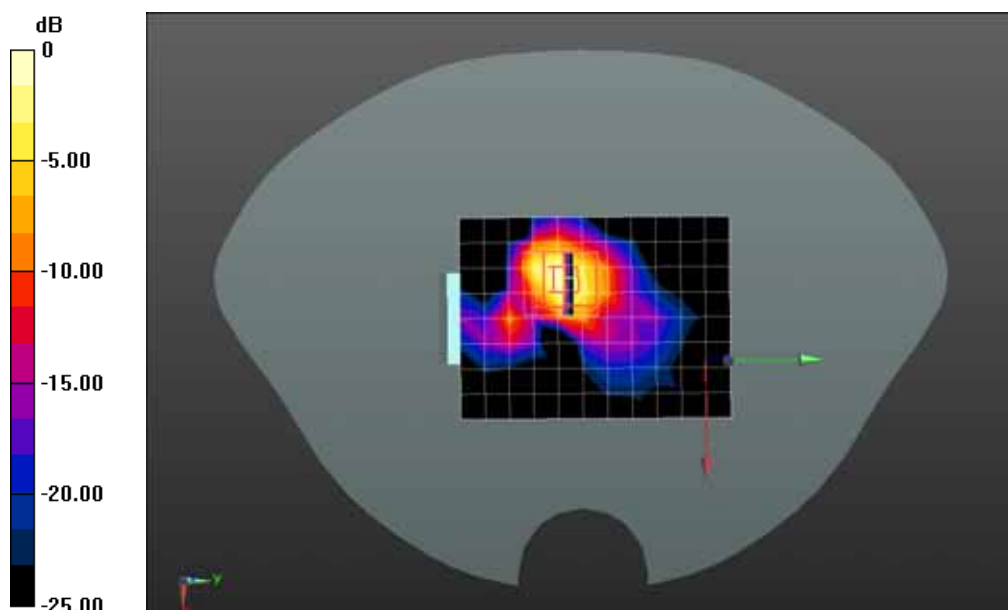
Configuration/802.11a 5180MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 7.114 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.28 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.263 W/kg Maximum value of SAR (measured) = 2.93 W/kg



0 dB = 2.93 W/kg = 4.67 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal UP- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 W/kg

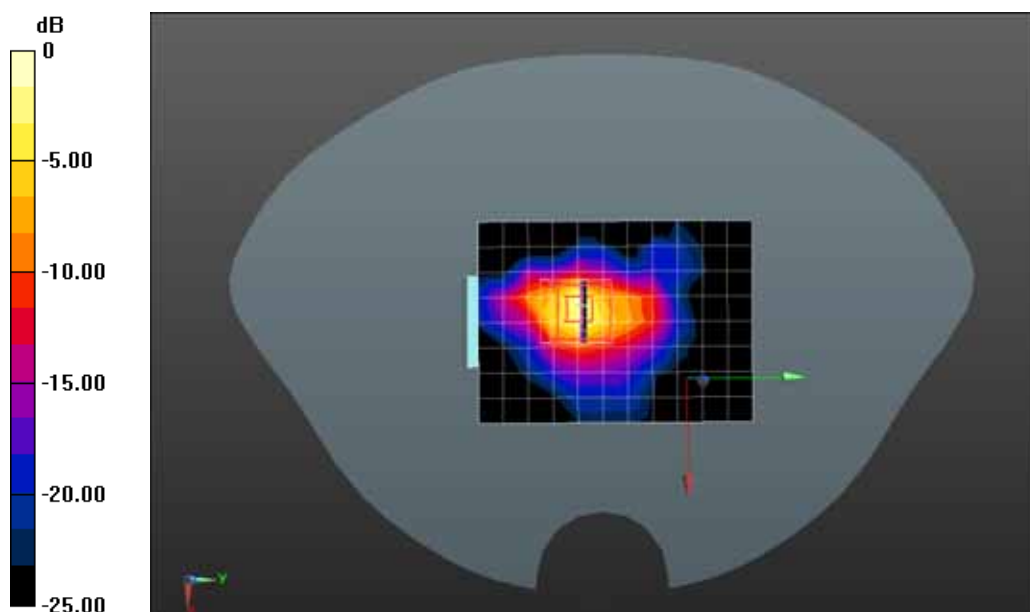
Configuration/802.11a 5300MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.948 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.304 W/kg Maximum value of SAR (measured) = 2.31 W/kg



0 dB = 2.31 W/kg = 3.64 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal UP- An1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.15 W/kg

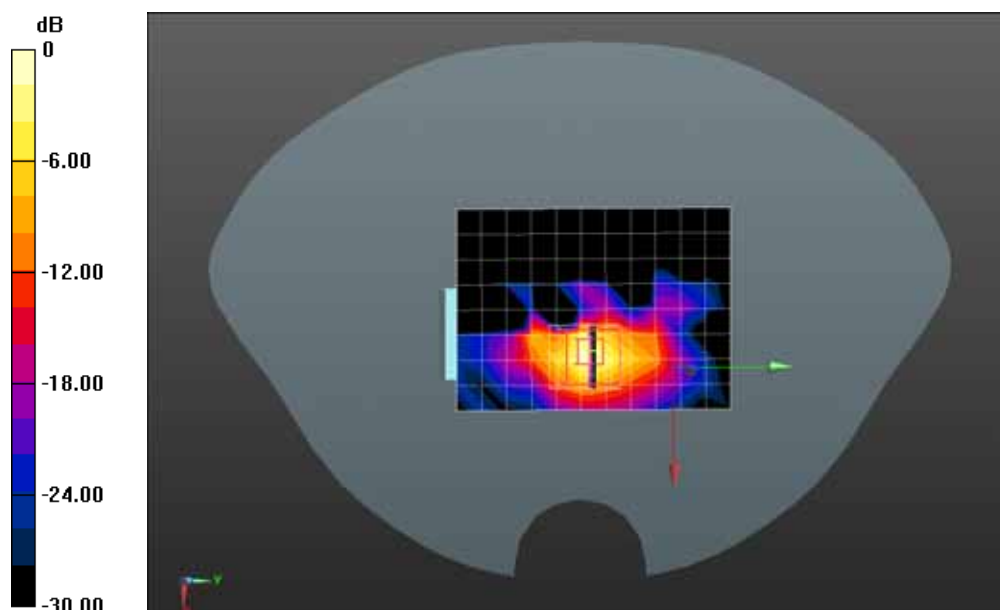
Configuration/802.11a 5300MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.6600 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.315 W/kg Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5260MHz Body-Horizontal UP- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5260 MHz; Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.3 \text{ S/m}$; $\epsilon_r = 49.39$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5260MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.83 W/kg

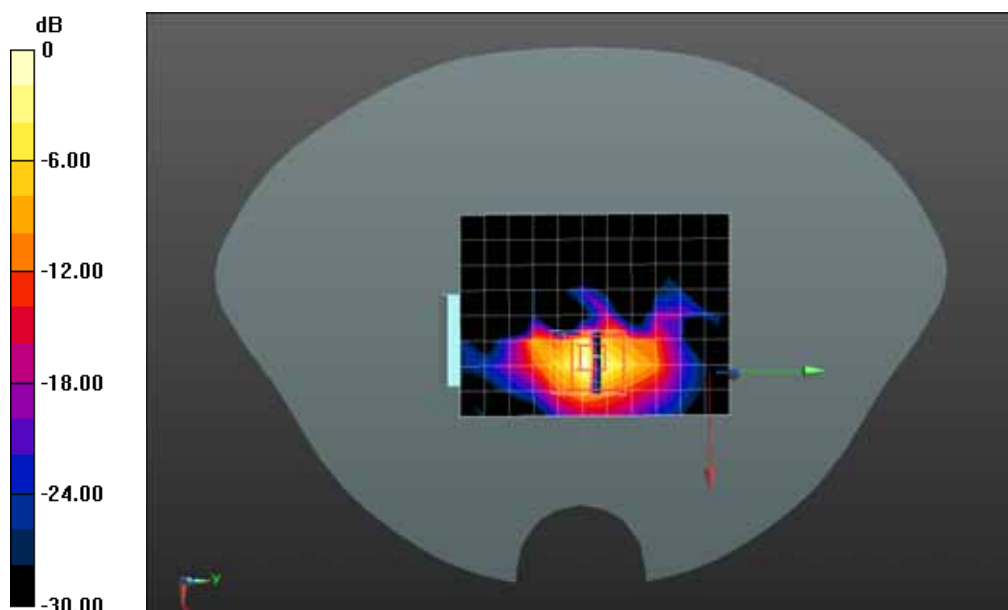
Configuration/802.11a 5260MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.9140 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.267 W/kg Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 2.21 W/kg = 3.44 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.61 W/kg

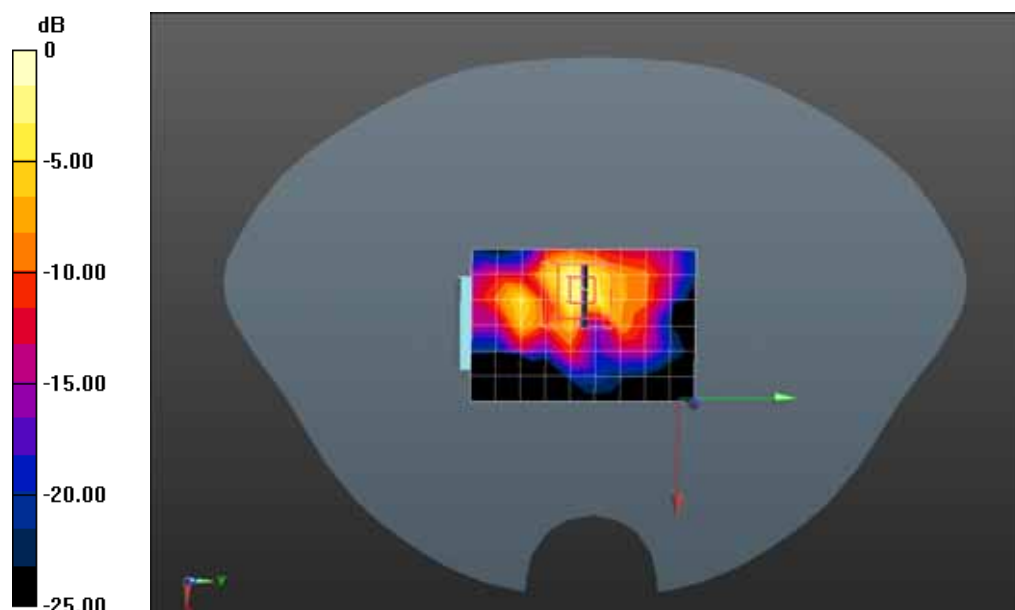
Configuration/802.11a 5300MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.056 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.283 W/kg Maximum value of SAR (measured) = 2.30 W/kg



0 dB = 2.30 W/kg = 3.62 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal Up- An2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.44 W/kg

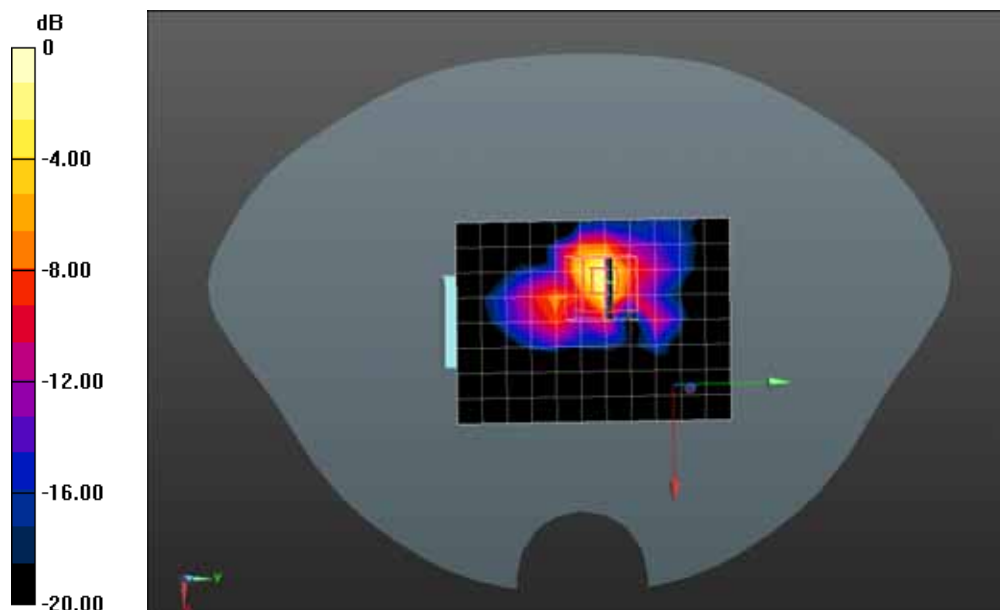
Configuration/802.11a 5300MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.288 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.224 W/kg Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.71 W/kg = 2.33 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5260MHz Body-Horizontal UP- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5260 MHz; Medium parameters used: $f = 5260$ MHz; $\sigma = 5.3$ S/m; $\epsilon_r = 49.39$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5260MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.19 W/kg

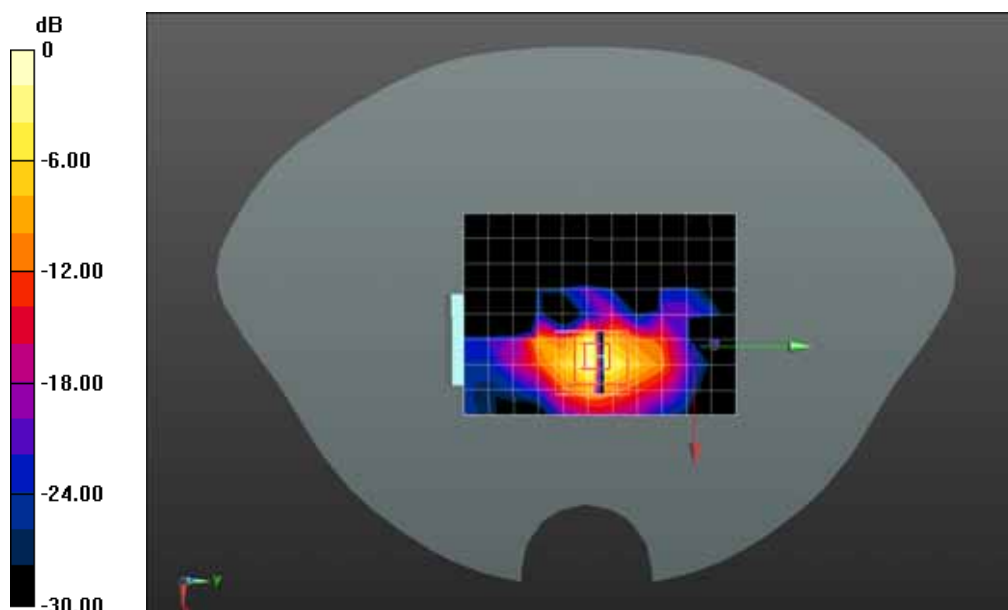
Configuration/802.11a 5260MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.4330 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.153 W/kg Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.89 W/kg = 4.61 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.63 W/kg

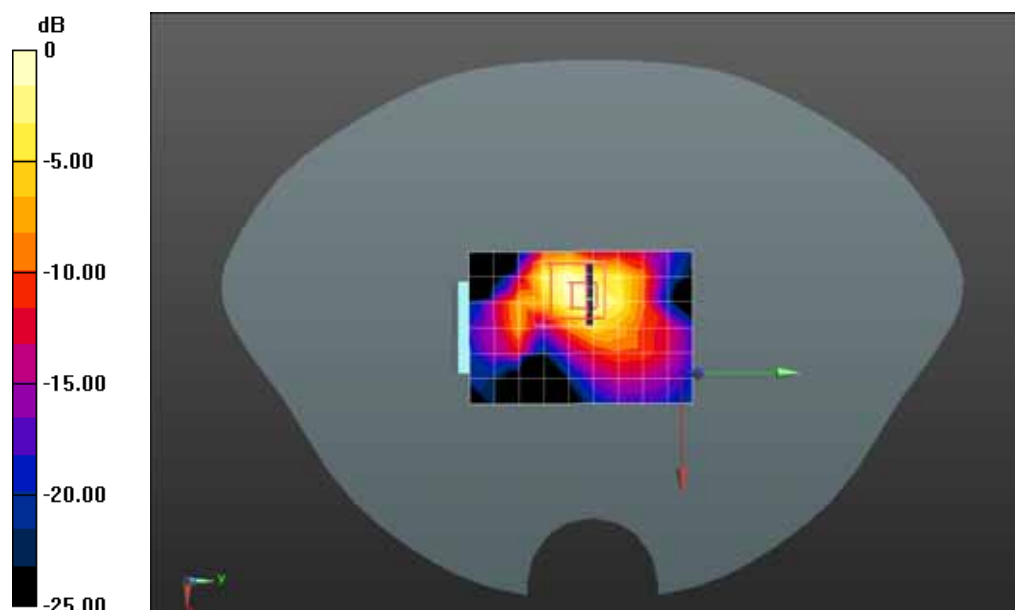
Configuration/802.11a 5300MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 7.763 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.328 W/kg Maximum value of SAR (measured) = 2.00 W/kg



0 dB = 2.00 W/kg = 3.01 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5300MHz Body-Horizontal Up- An3*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5300MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.14 W/kg

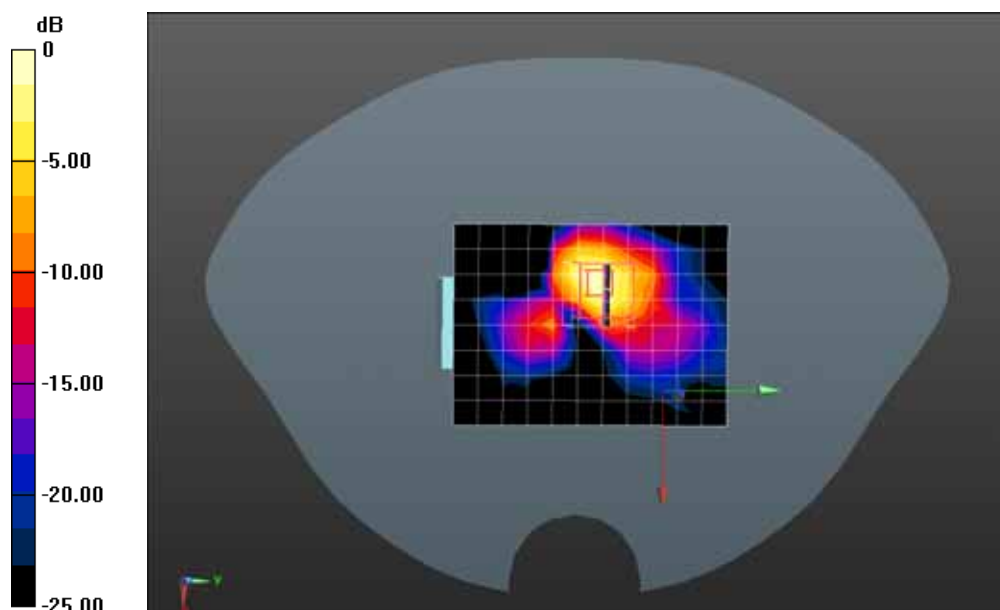
Configuration/802.11a 5300MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.7880 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.177 W/kg Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5260MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5260 MHz; Medium parameters used: $f = 5260$ MHz; $\sigma = 5.3$ S/m; $\epsilon_r = 49.39$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5260MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.32 W/kg

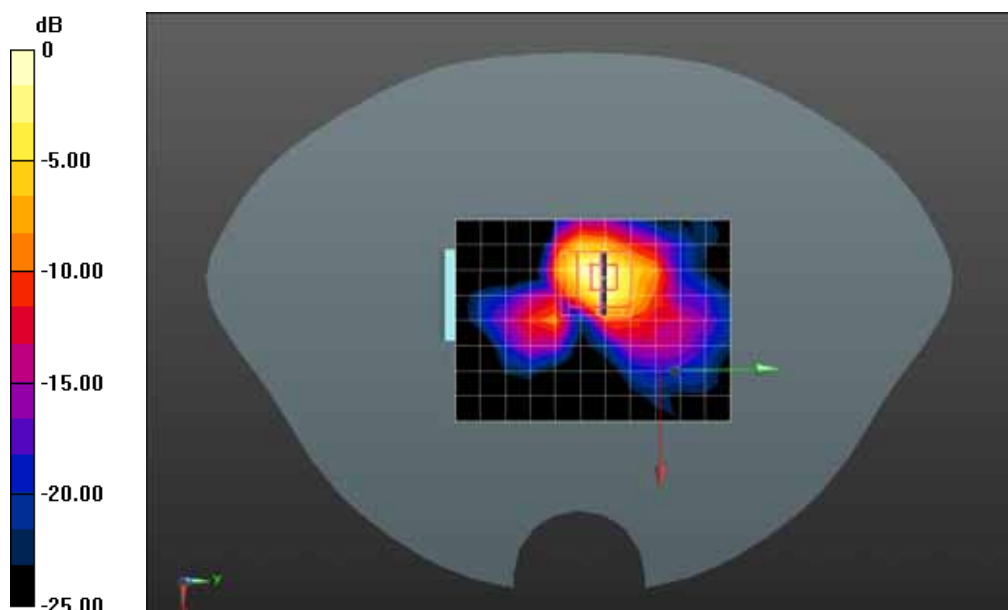
Configuration/802.11a 5260MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.751 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.68 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.216 W/kg Maximum value of SAR (measured) = 2.58 W/kg



0 dB = 2.58 W/kg = 4.12 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal UP- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.03 W/kg

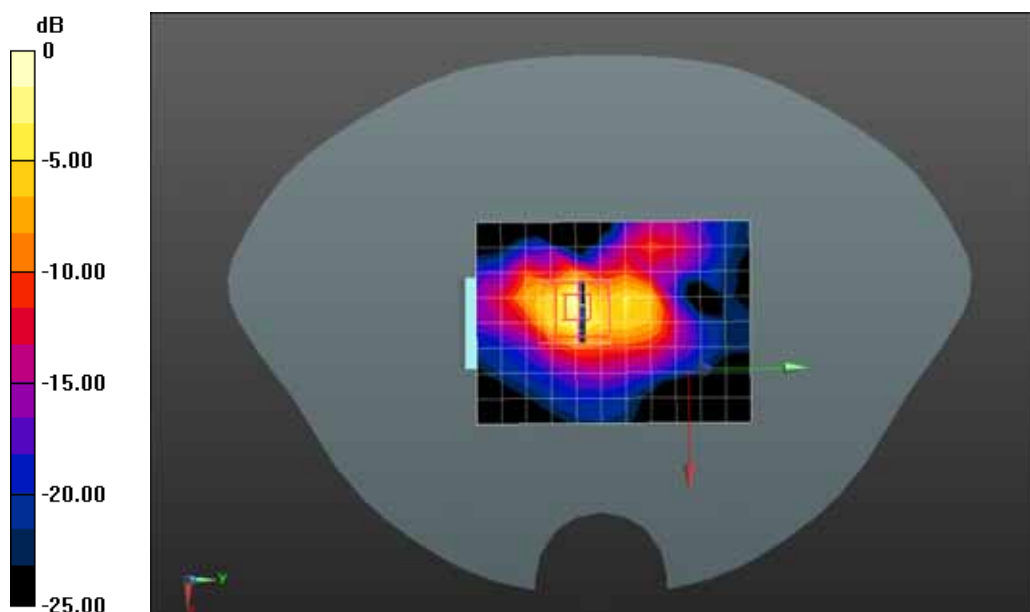
Configuration/802.11a 5580MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.444 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.302 W/kg Maximum value of SAR (measured) = 2.28 W/kg



0 dB = 2.28 W/kg = 3.58 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal Up- An1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.13 W/kg

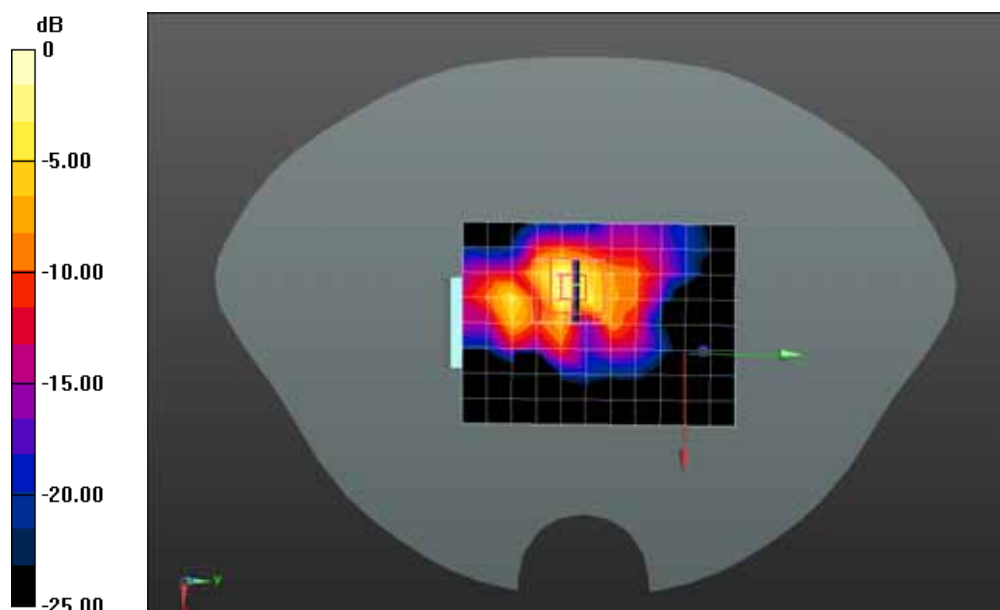
Configuration/802.11a 5580MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.136 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 5.19 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.171 W/kg Maximum value of SAR (measured) = 2.93 W/kg



0 dB = 2.93 W/kg = 4.67 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5500MHz Body-Horizontal Up- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5500 MHz; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.52$ S/m; $\epsilon_r = 48.97$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5500MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.05 W/kg

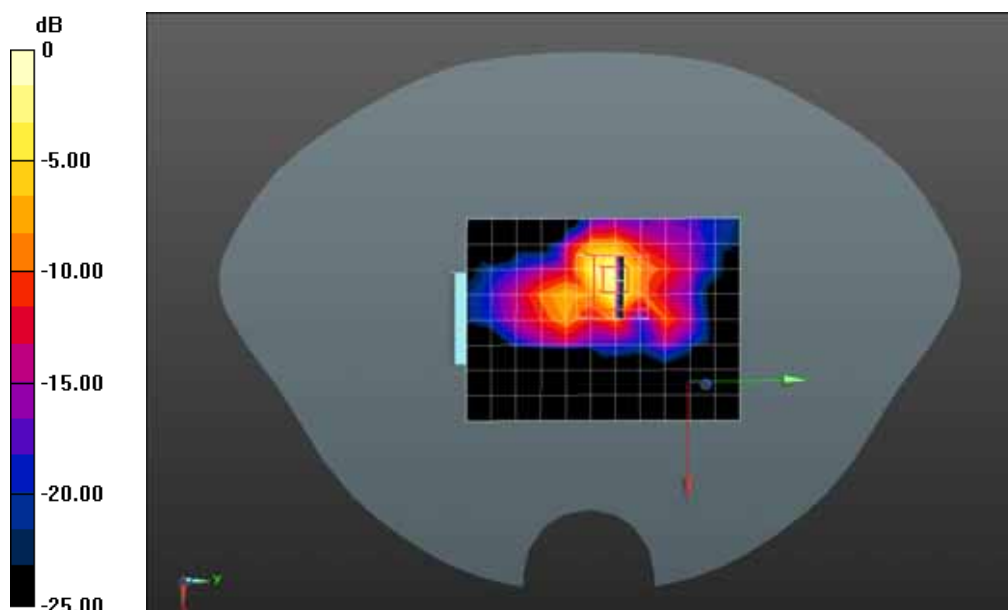
Configuration/802.11a 5500MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.166 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.30 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.129 W/kg Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.08 W/kg

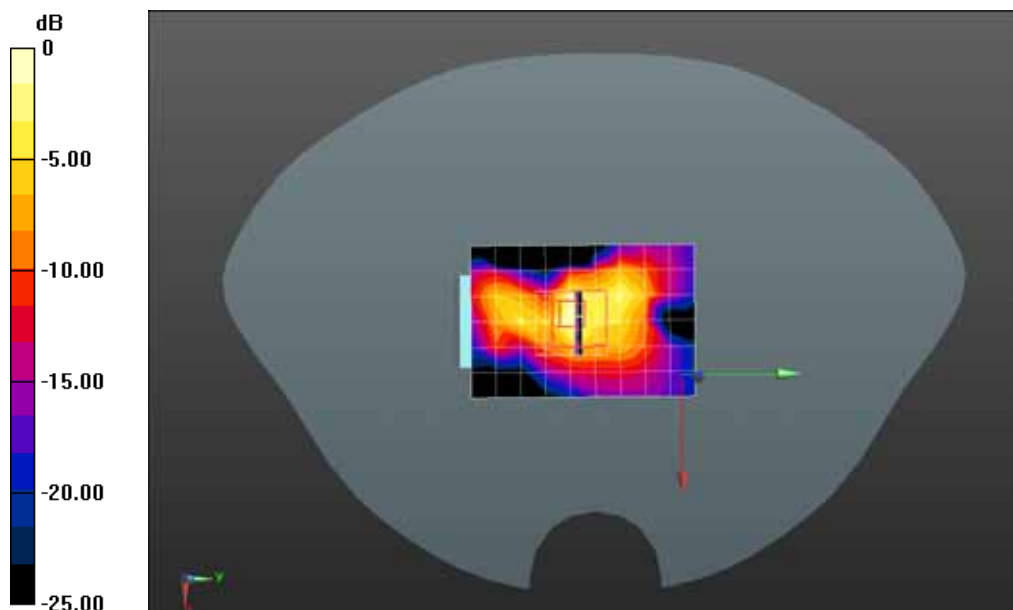
Configuration/802.11a 5580MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.749 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 4.42 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.275 W/kg Maximum value of SAR (measured) = 2.11 W/kg



0 dB = 2.11 W/kg = 3.24 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal UP- An2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.77 W/kg

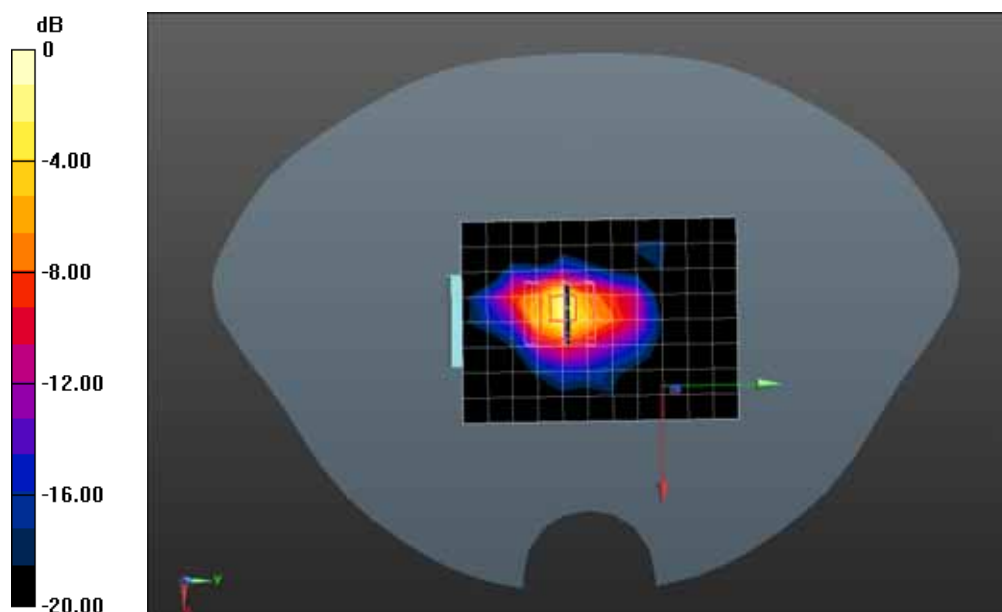
Configuration/802.11a 5580MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 9.461 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.313 W/kg Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5500MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5500 MHz; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.52$ S/m; $\epsilon_r = 48.97$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5500MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.29 W/kg

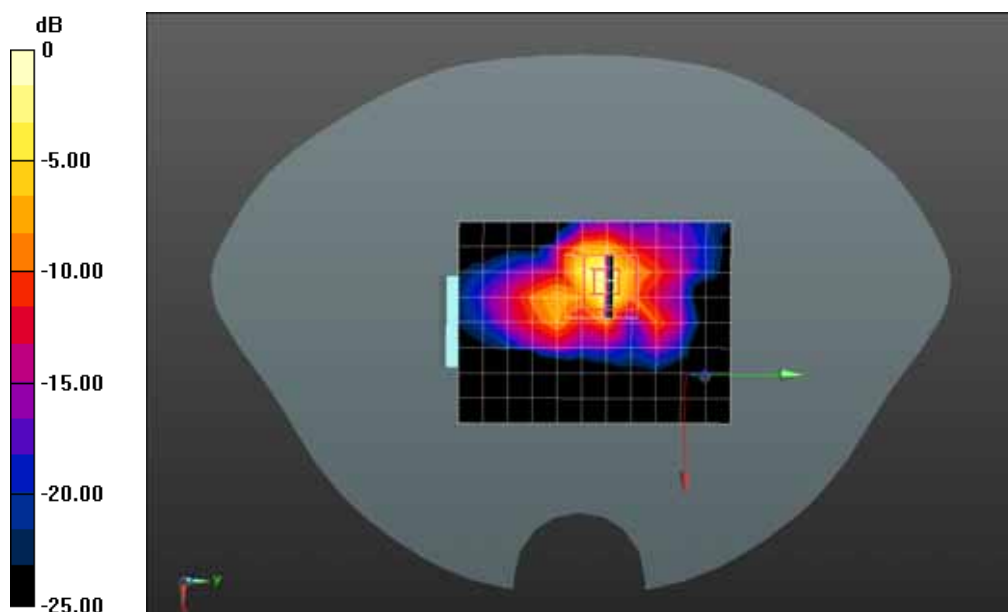
Configuration/802.11a 5500MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.462 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.172 W/kg Maximum value of SAR (measured) = 2.74 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.93 W/kg

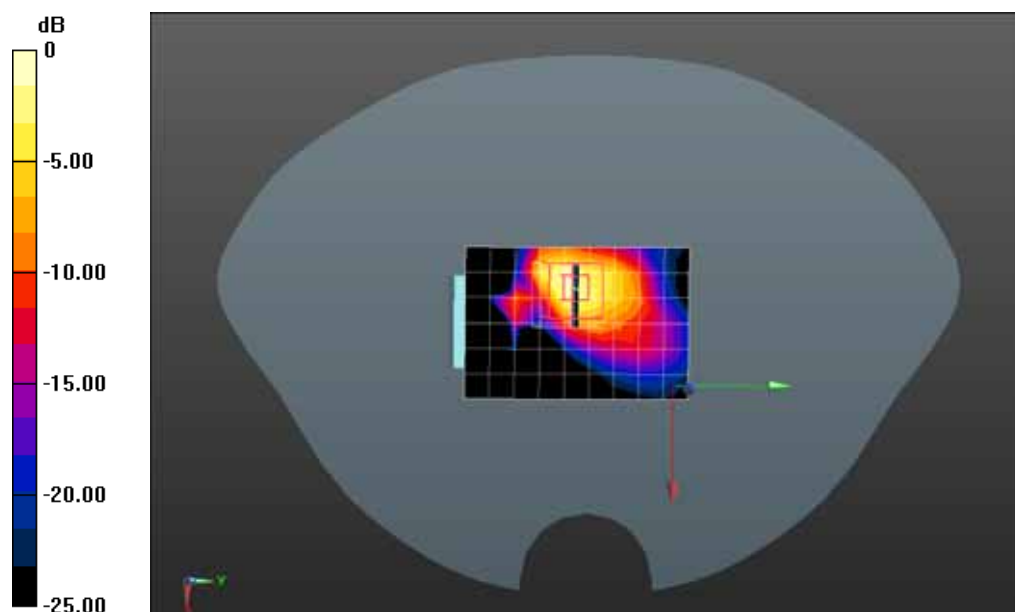
Configuration/802.11a 5580MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.890 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.341 W/kg Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5580MHz Body-Horizontal Up- An3*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5580MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.38 W/kg

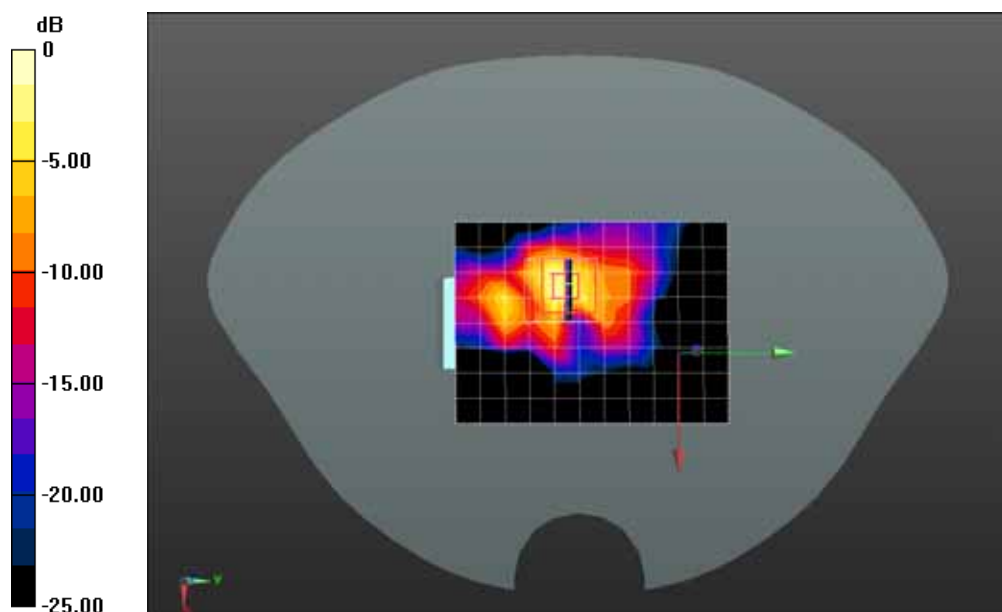
Configuration/802.11a 5580MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.007 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.234 W/kg Maximum value of SAR (measured) = 1.89 W/kg



0 dB = 1.89 W/kg = 2.76 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5500MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5500 MHz; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.52$ S/m; $\epsilon_r = 48.97$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5500MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.90 W/kg

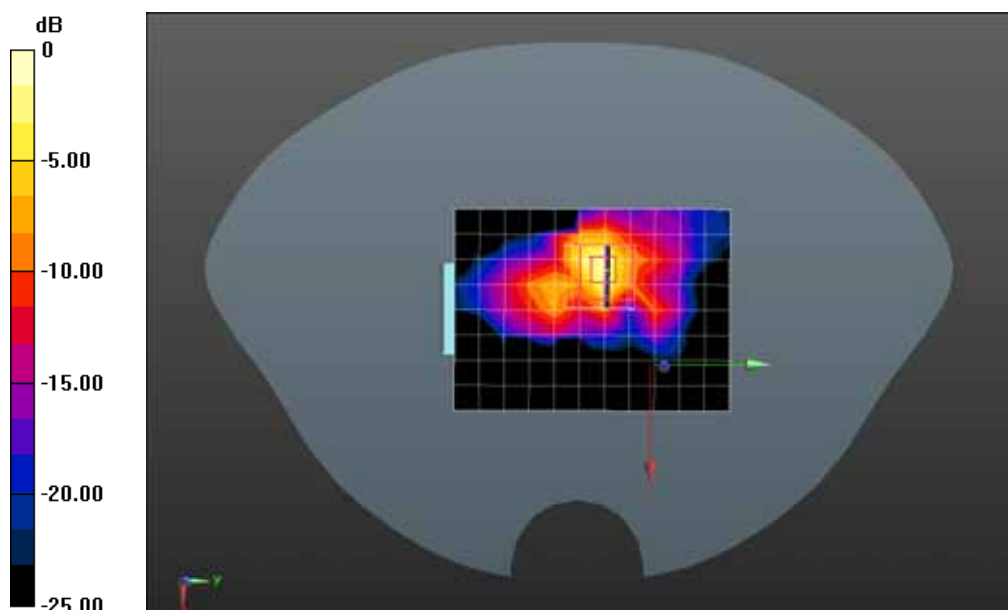
Configuration/802.11a 5500MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.984 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.204 W/kg Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal UP- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5785 MHz; Medium parameters used: $f = 5785$ MHz; $\sigma = 5.85$ S/m; $\epsilon_r = 48.05$; $\rho = 1000$ 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(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 W/kg

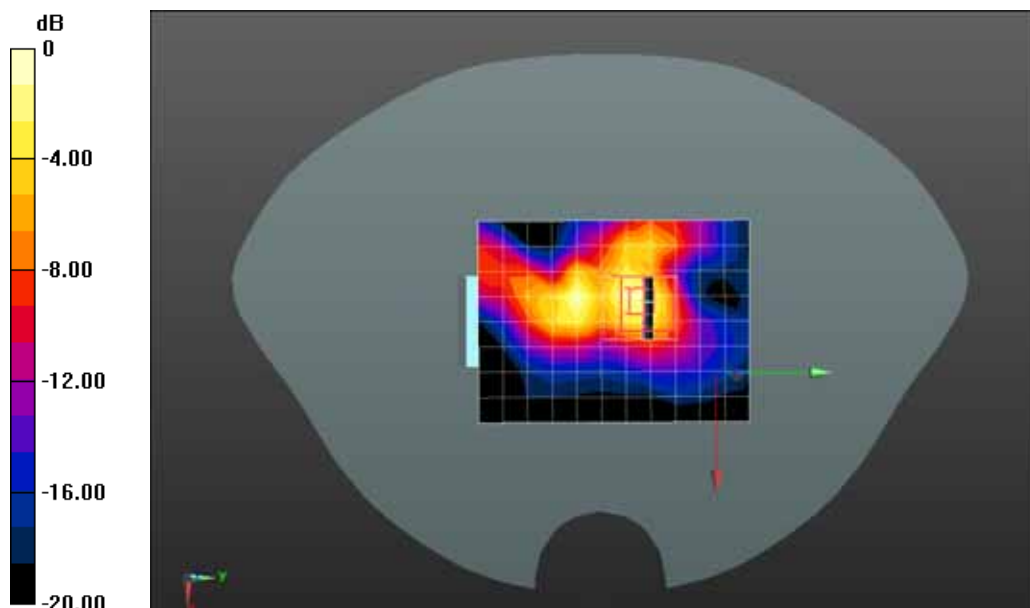
Configuration/802.11a 5785MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.244 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.321 W/kg Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.15 W/kg = 3.32 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal Up- An1*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5785 MHz; Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.85 \text{ S/m}$; $\epsilon_r = 48.05$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.61 W/kg

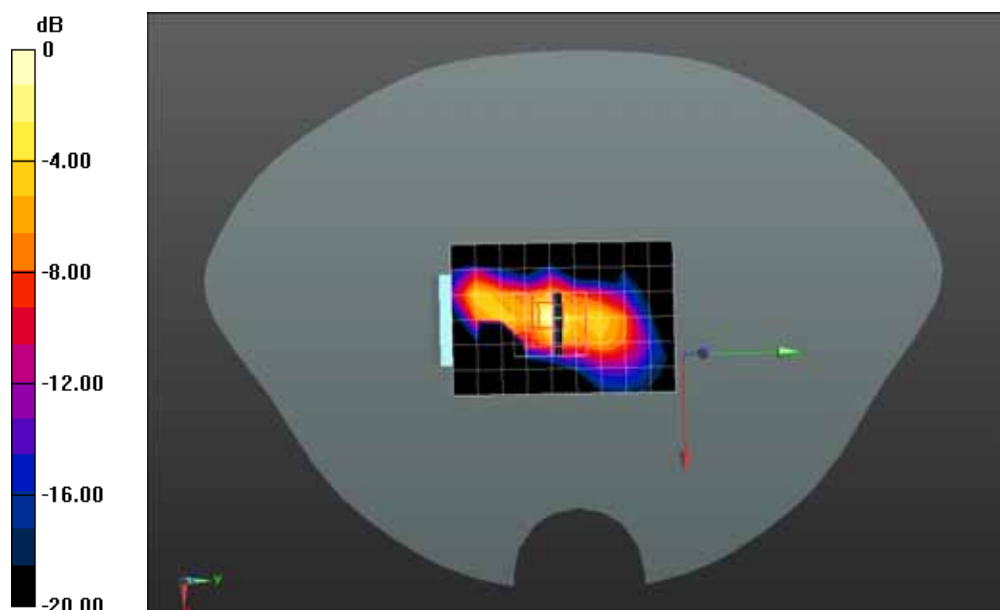
Configuration/802.11a 5785MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 8.646 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.55 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.095 W/kg Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5745MHz Body-Horizontal UP- An1

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5745 MHz; Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.81 \text{ S/m}$; $\epsilon_r = 48.39$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5745MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.16 W/kg

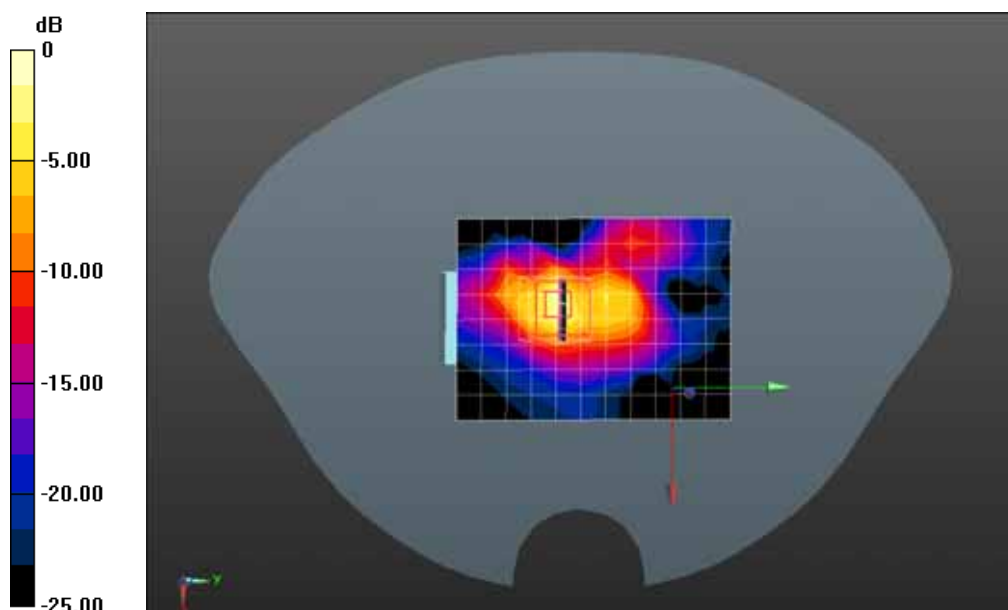
Configuration/802.11a 5745MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 8.589 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.64 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.329 W/kg Maximum value of SAR (measured) = 2.47 W/kg



0 dB = 2.47 W/kg = 3.93 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5785 MHz; Medium parameters used: $f = 5785$ MHz; $\sigma = 5.85$ S/m; $\epsilon_r = 48.05$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.38 W/kg

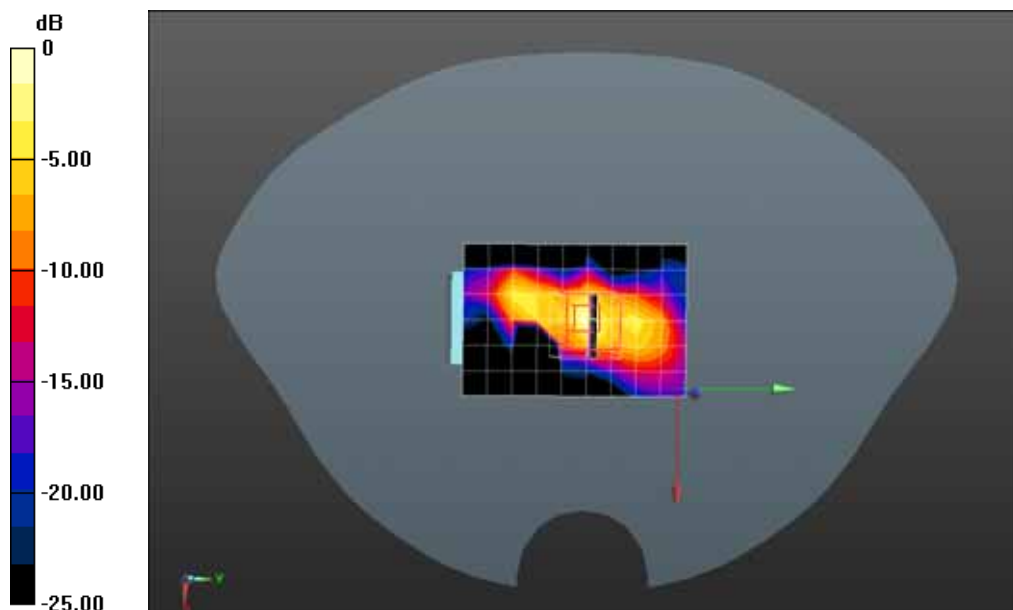
Configuration/802.11a 5785MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.25 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.86 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.268 W/kg Maximum value of SAR (measured) = 2.34 W/kg



0 dB = 2.34 W/kg = 3.69 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal Up- An2*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5785 MHz; Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.85 \text{ S/m}$; $\epsilon_r = 48.05$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.30 W/kg

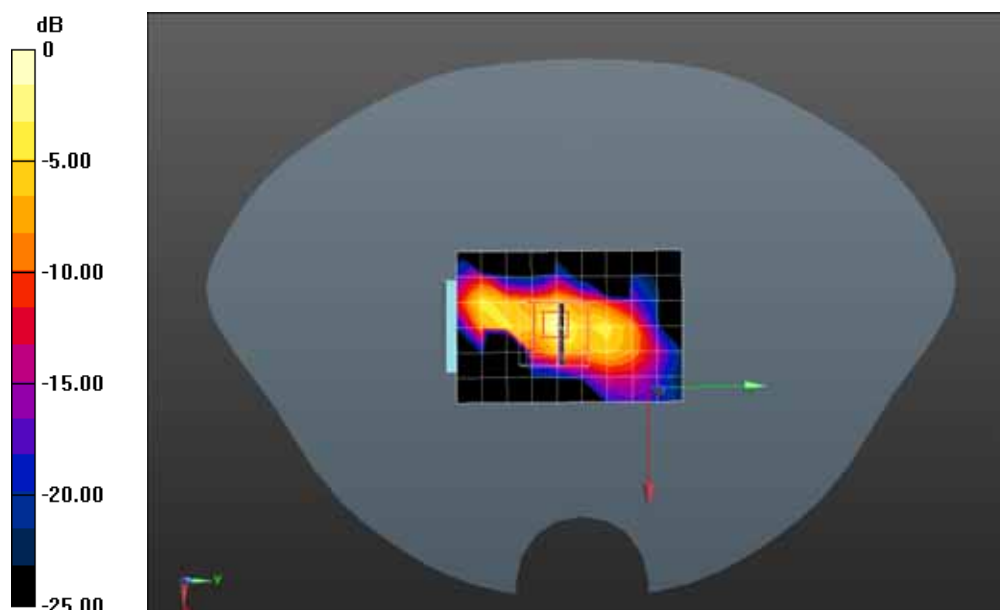
Configuration/802.11a 5785MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 8.302 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 5.10 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.275 W/kg Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5745MHz Body-Horizontal Up- An2

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5745 MHz; Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.81 \text{ S/m}$; $\epsilon_r = 48.39$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5745MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.52 W/kg

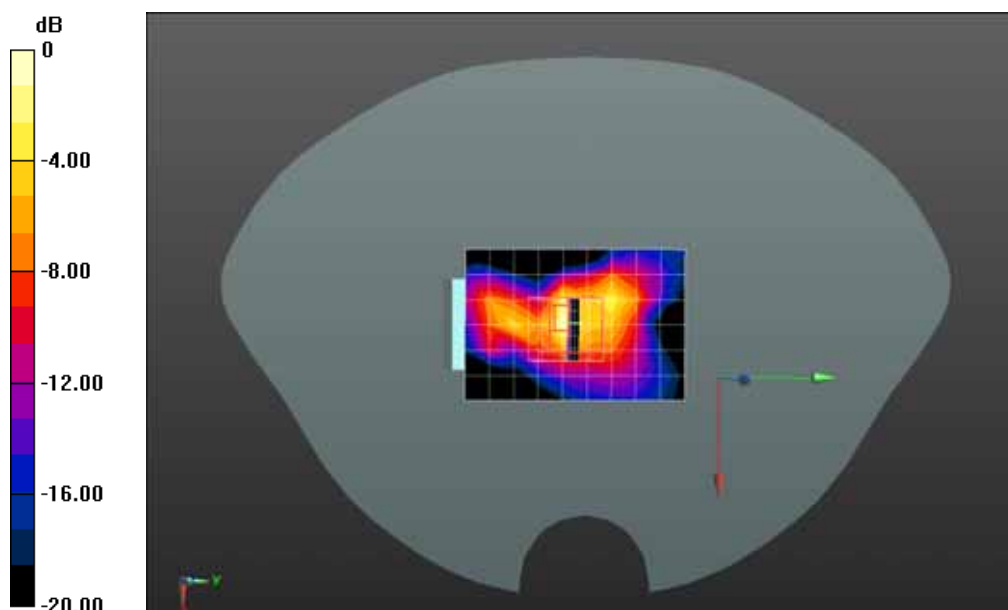
Configuration/802.11a 5745MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 9.240 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.72 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.341 W/kg Maximum value of SAR (measured) = 2.65 W/kg



0 dB = 2.65 W/kg = 4.23 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5785 MHz; Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.85 \text{ S/m}$; $\epsilon_r = 48.05$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.52 W/kg

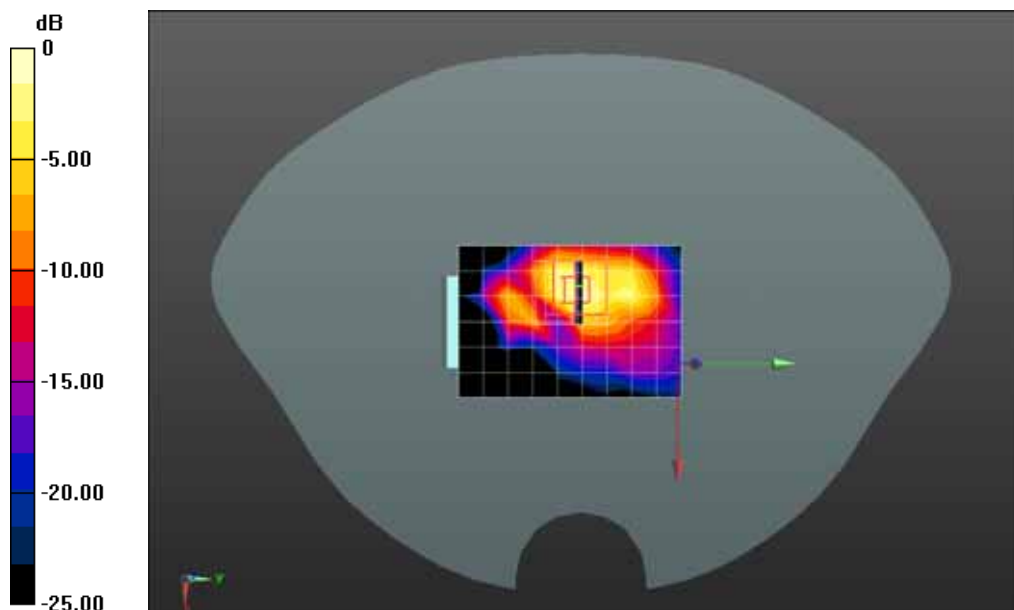
Configuration/802.11a 5785MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 6.412 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.65 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.249 W/kg Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5785MHz Body-Horizontal Up- An3*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5785 MHz; Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.85 \text{ S/m}$; $\epsilon_r = 48.05$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5785MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.46 W/kg

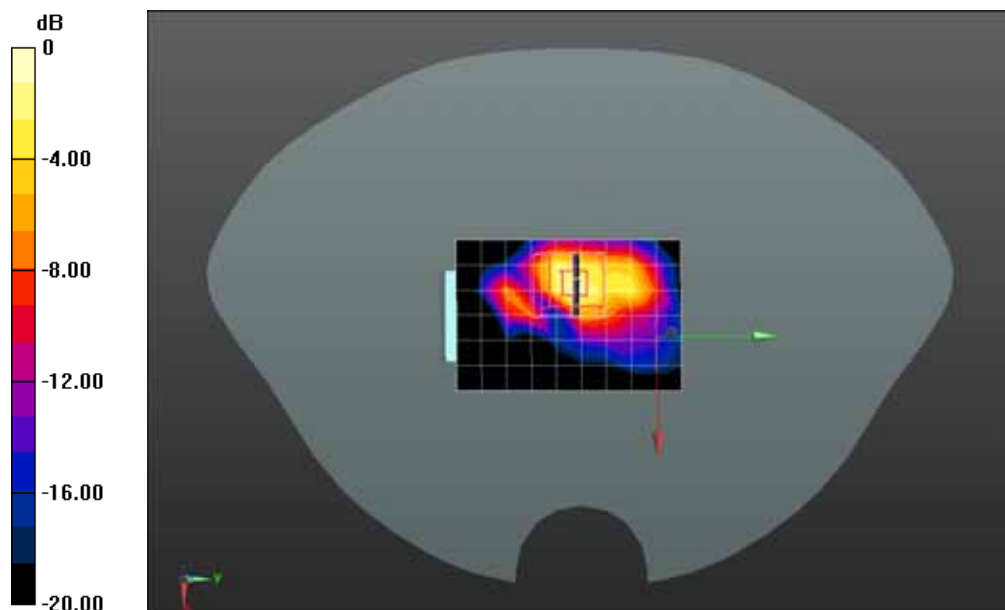
Configuration/802.11a 5785MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 6.412 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.239 W/kg Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg = 2.50 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11a 5745MHz Body-Horizontal Up- An3

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5745 MHz; Medium parameters used: $f = 5745$ MHz; $\sigma = 5.81$ S/m; $\epsilon_r = 48.39$; $\rho = 1000$ 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(3.8, 3.8, 3.8); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11a 5745MHz Body-Horizontal Up/Area Scan (7x10x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.74 W/kg

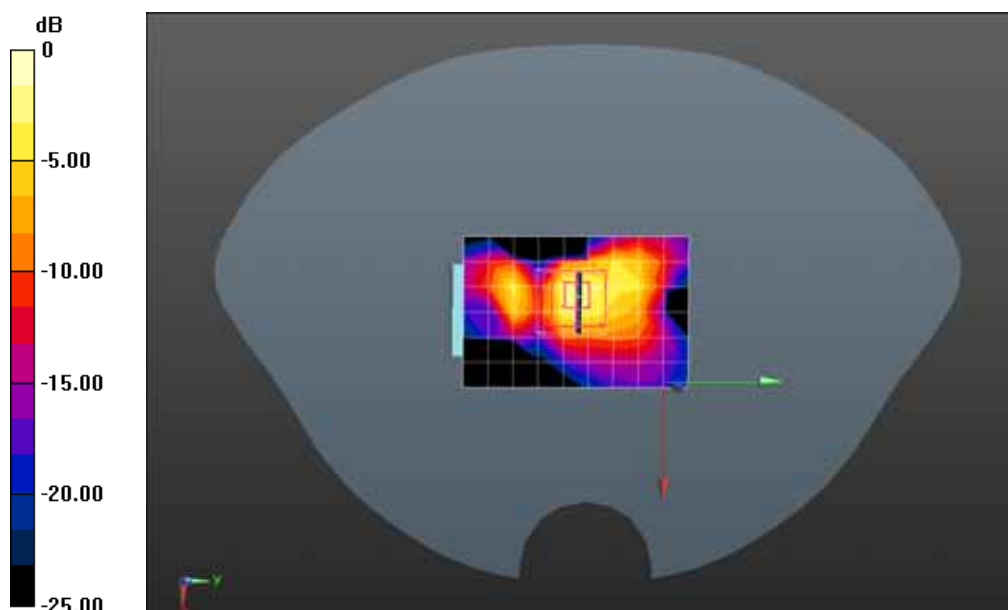
Configuration/802.11a 5745MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 10.99 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.49 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.348 W/kg Maximum value of SAR (measured) = 2.77 W/kg



0 dB = 2.77 W/kg = 4.42 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5200MHz Body-Horizontal UP

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5200MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.95 W/kg

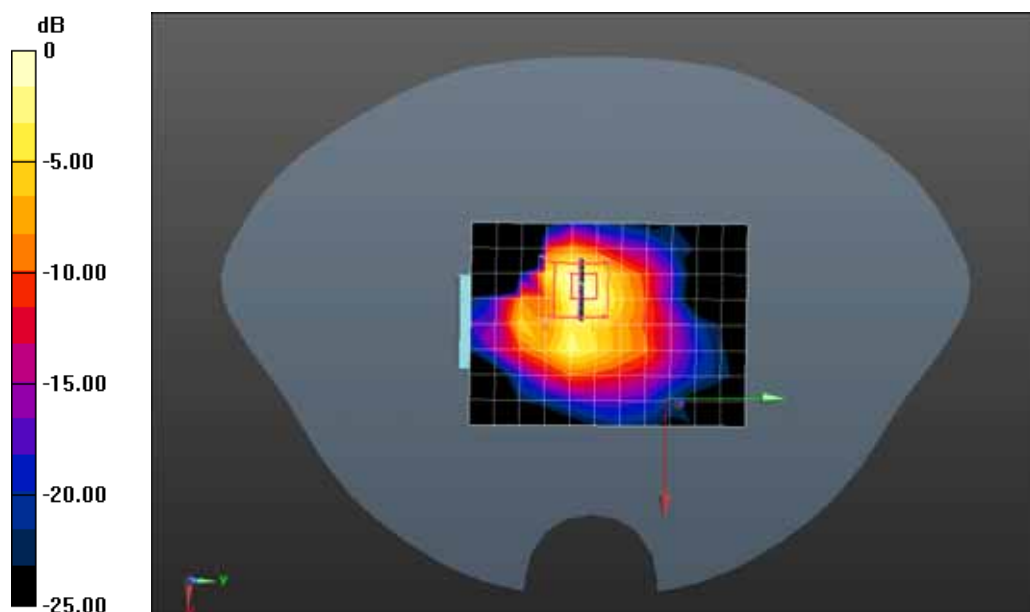
Configuration/802.11n20 5200MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.564 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.360 W/kg Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5200MHz Body-Horizontal UP*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 49.45$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5200MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.14 W/kg

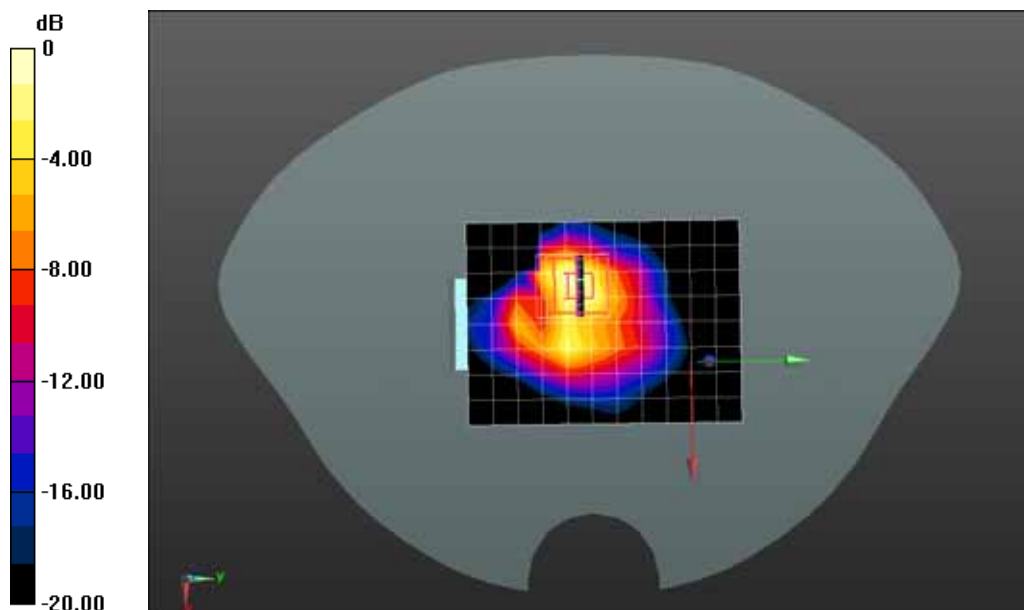
Configuration/802.11n20 5200MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 9.417 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 4.69 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.412 W/kg Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.52 W/kg = 4.01 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5240MHz Body-Horizontal UP

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5240 MHz; Medium parameters used: $f = 5240$ MHz; $\sigma = 5.29$ S/m; $\epsilon_r = 49.43$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5240MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.67 W/kg

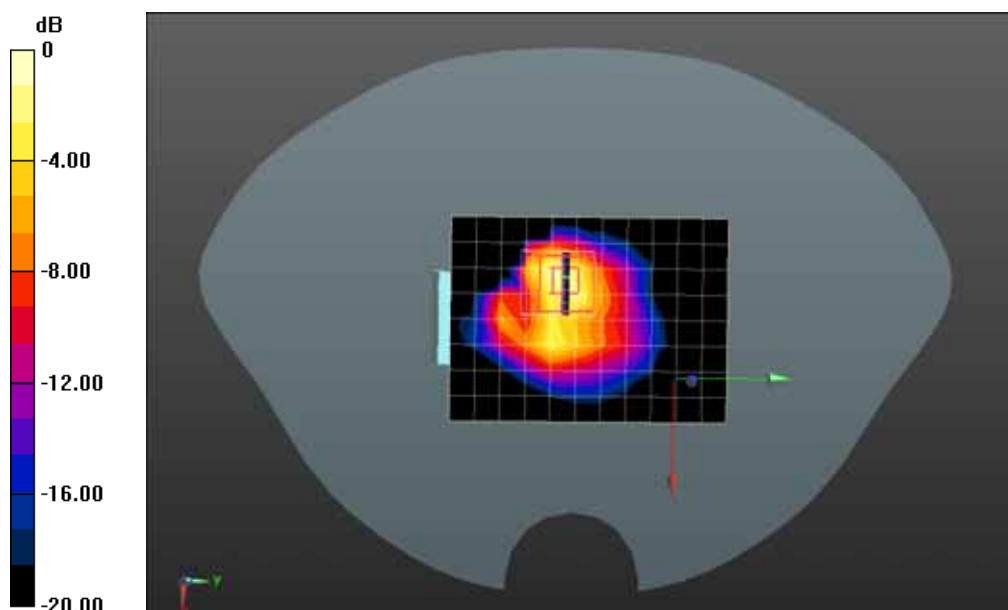
Configuration/802.11n20 5240MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.676 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.323 W/kg Maximum value of SAR (measured) = 2.04 W/kg



0 dB = 2.04 W/kg = 3.10 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5300MHz Body-Horizontal UP

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5300MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.71 W/kg

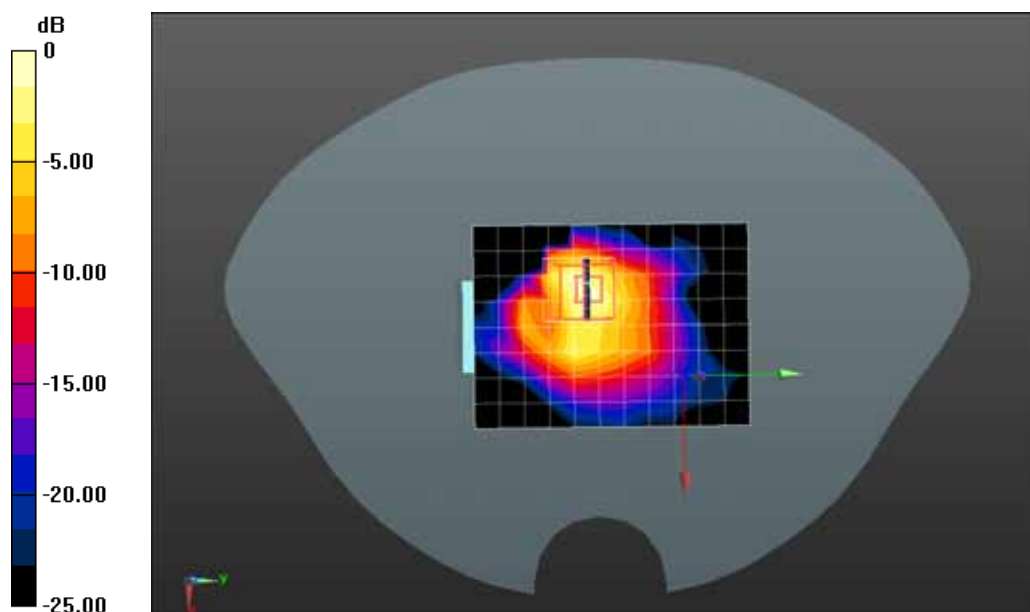
Configuration/802.11n20 5300MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 9.050 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.348 W/kg Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.15 W/kg = 3.32 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5300MHz Body-Horizontal UP*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5300 MHz; Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ S/m; $\epsilon_r = 49.29$; $\rho = 1000$ 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(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5300MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.55 W/kg

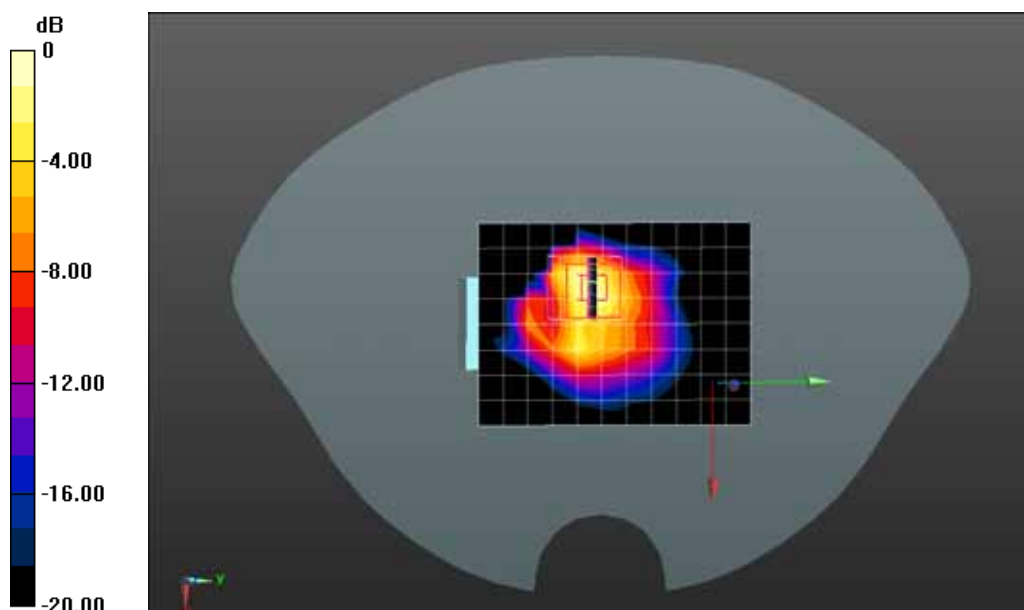
Configuration/802.11n20 5300MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 8.858 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.319 W/kg Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5320MHz Body-Horizontal Up

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5320 MHz; Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.44 \text{ S/m}$; $\epsilon_r = 49.25$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Input Power=100mW

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(4.35, 4.35, 4.35); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5320MHz Body-Horizontal Up/Area Scan (9x12x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.38 W/kg

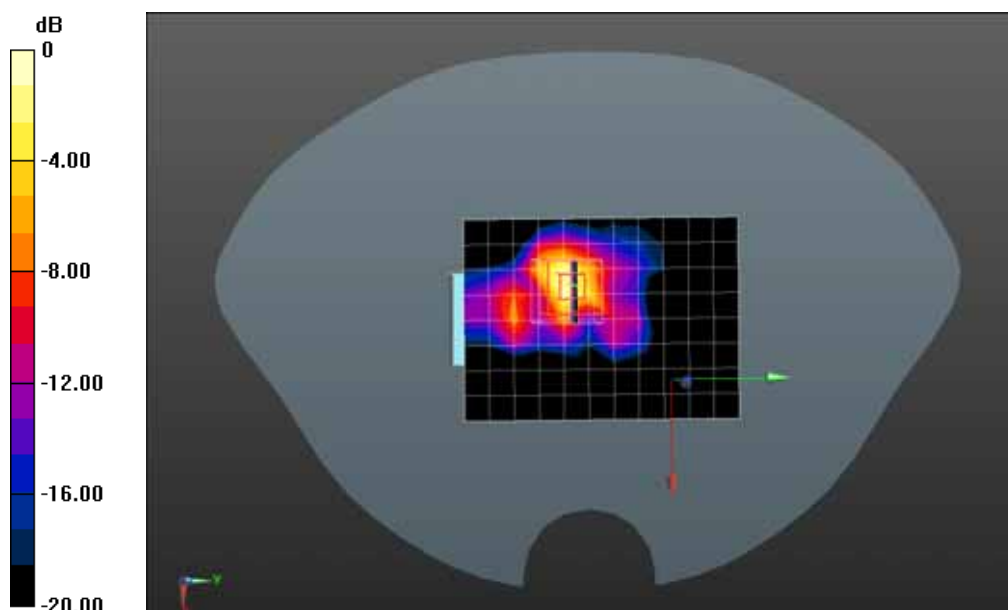
Configuration/802.11n20 5320MHz Body-Horizontal Up/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.602 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 5.53 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.412 W/kg Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 2.99 W/kg = 4.76 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5580MHz Body-Horizontal UP

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1.0; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3710; ConvF(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5580MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.73 W/kg

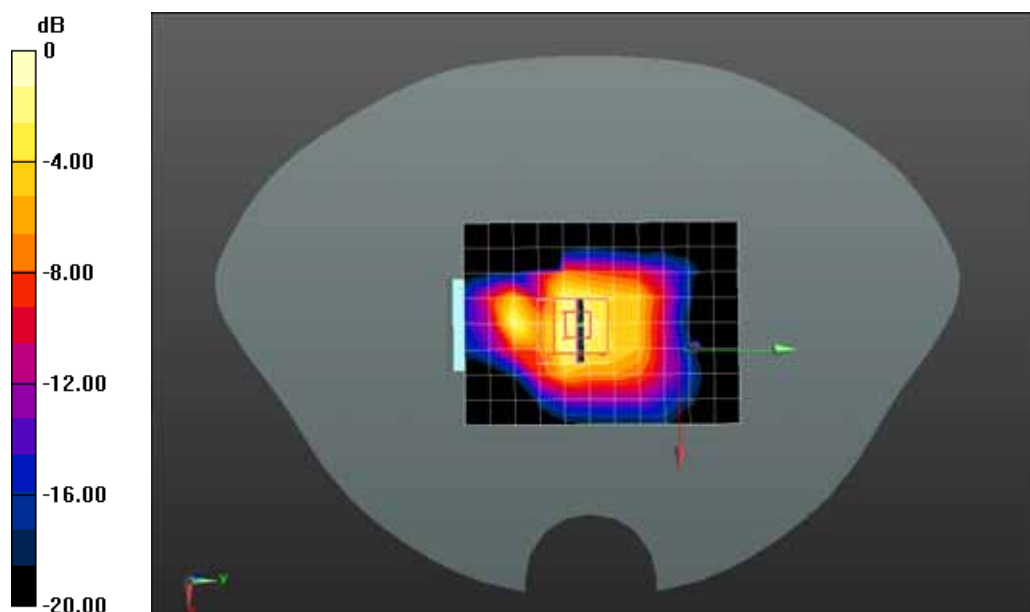
Configuration/802.11n20 5580MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 13.21 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 4.27 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.387 W/kg Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Date/Time: 09-22-2016

Test Laboratory: QuieTek Lab

802.11n20 5580MHz Body-Horizontal UP*

DUT: AC1900; Type: Archer T9UH

Communication System: UID 0, CW (0); Communication System Band: 5GHz(5000.0-6000.0MHz); Duty Cycle: 1:1; Frequency: 5580 MHz; Medium parameters used: $f = 5580$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.92$; $\rho = 1000$ 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(3.67, 3.67, 3.67); Calibrated: 19/02/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 09/02/2016
- Phantom: SAM2; Type: SAM; Serial: TP1562
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/802.11n20 5580MHz Body-Horizontal UP/Area Scan (9x12x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.16 W/kg

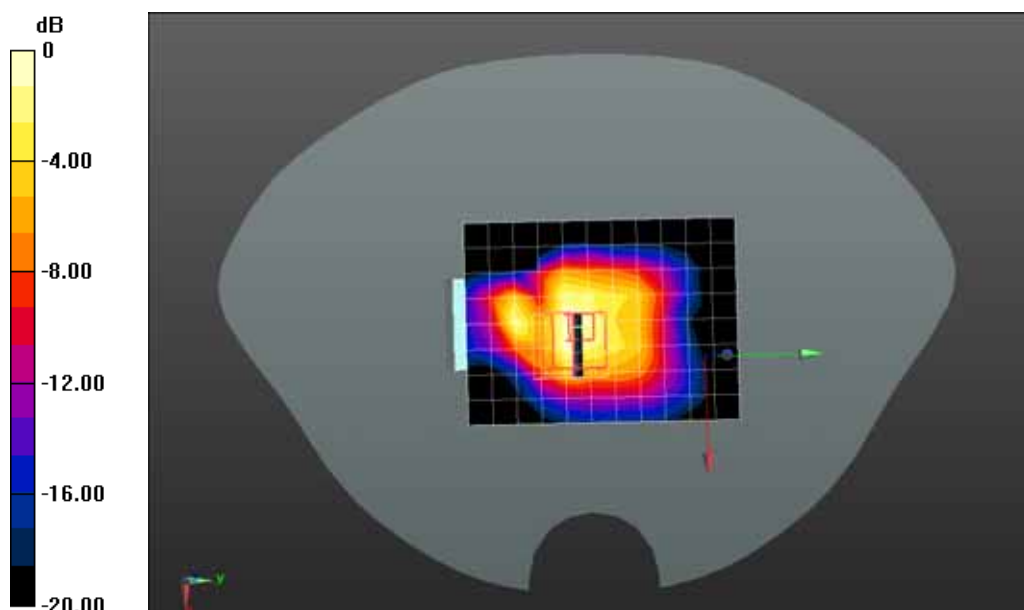
Configuration/802.11n20 5580MHz Body-Horizontal UP/Zoom Scan (6x6x6)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.66 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.423 W/kg Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg