

FCC SAR Test Report (Class II Permissive Change)

Product Name : Intel AX200NGW

Model No. : AX200NGW

Applicant : Dell Inc.

Address : One Dell Way, Round Rock, Texas 78682, United States.

Date of Receipt : 2020/01/21

Issued Date : 2020/02/20

Report No. : 2010330R-SAUSP64V00

Report Version : V1.0



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

Issued Date: 2020/02/20

Report No.: 2010330R-SAUSP64V00



Product Name : Intel AX200NGW
Applicant : Dell Inc.
Address : One Dell Way, Round Rock, Texas 78682, United States.
Manufacturer : INTEL CORPORATION SAS
Model No. : AX200NGW
Trade Name : Intel
FCC ID : E2KAX200NG
Applicable Standard : IEEE 1528-2013

KDB 447498 D01 v06
KDB 865664 D01 v01r04
Measurement : 47CFR § 2.1093
procedures : KDB 248227 D01 v02r02
KDB 616217 D04 v01r02

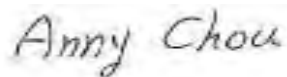
Test Result : Max. SAR Measurement (1g)

Band	Body SAR (1g) - HB	Body SAR (1g) - WNC
2.4 GHz	0.680 W/kg	1.086 W/kg
5 GHz	0.650 W/kg	1.193 W/kg

Application Type : Certification

The above equipment has been tested by DEKRA, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report.

Documented By :



(Senior Adm. Specialist / Anny Chou)

Tested By :



(Senior Engineer / Vorana Chen)

Approved By :



(Director / Vincent Lin)

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1. General Information

1.1 EUT Description

Product Name	Intel AX200NGW				
Trade Name	Intel				
Model No.	AX200NGW				
FCC ID	E2KAX200NG				
TX Frequency	802.11b/g/n/ax-20MHz:2412MHz~2472MHz 802.11n/ax-40MHz: 2422MHz~2462MHz 802.11a/n/ax-20:5180-5320MHz,5500-5720MHz, 5745-5825MHz 802.11n/ax-40MHz: 5190-5310MHz, 5510-5670MHz, 5755-5795MHz 802.11ac/ax-20MHz: 5720MHz, 802.11ac/ax-40MHz: 5710MHz 802.11ac/ax-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz 802.11ac/ax-160: 5250MHz, 5570MHz, BT : 2402 – 2480MHz				
Channel separation	802.11b/g/n/ax-20MHz: 13, n/ax-40MHz: 9 802.11a/n/ax-20MHz: 24; 802.11n/ax-40MHz: 11 802.11ac/ax-20MHz: 1, 802.11ac/ax-40MHz: 1,802.11ac/ax-80MHz: 6 802.11ac/ax-160MHz: 2, BT : 79 , BLE : 40				
Number of Channels	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7MHz, 802.11ac-160MHz: up to 1733MHz 802.11ax-20MHz:17.2-286.8Mbps, 802.11ax-40MHz:34.4-573.5Mbps 802.11ax-80MHz:72.1-1201Mbps, 802.11ax-160MHz:144.1-2402Mbps BT : 3Mbps , BLE : 1Mbps				
Data Rate	802.11b/g/n-20/ax-20/n-40/ax40: 5 MHz 802.11a/n/ac/ax-20MHz: 20MHz 802.11n-40/ac/ax-40MHz: 40MHz, 802.11ac/ax-80MHz: 80MHz 802.11ac/ax-160MHz: 320MHz, BT : 1MHz , BLE : 2MHz				
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK 802.11a/g/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM FHSS: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps)				
Antenna Type	PIFA				
Device Category	Portable				
RF Exposure Environment	Uncontrolled				
Summary of test result –Reported 1g SAR (W/Kg)					
Test configuration	DTS(Main)	DTS(Aux)	U-NII(Main)	U-NII(Aux)	DTS(BT)
Body-Standalone (WNC)	1.077	1.086	1.105	1.193	0.323
Body-Standalone (HB)	0.261	0.680	0.546	0.650	0.155
Test configuration	DTS (Main + Aux)		U-NII (Main + Aux)		UNII (Main+Aux)+BT
Body-Simultaneous (WNC)	2.163 (SPLSR=0.011)		2.298 (SPLSR=0.012)		2.621 (SPLSR=0.014)
Body-Simultaneous (HB)	0.941		1.196		1.351
When BT and WIFI transmitter does simultaneously transmitter, WIFI will transmit on Main and BT will transmit on Aux					

* Note: (1) This is to request a Class II permissive change for FCC ID: E2KAX200NG, originally granted on 02/17/2020

The major change filed under this application is:
Change

#1: Additional Chassis added, Dell.Inc, model number:P126G.

#2: Reduce the Output Power through firmware, and SAR measurement were evaluated.
(Only reduce Wi-Fi Output Power, Bluetooth Output Power haven't changes).

#3: Addition one antennas, the antenna type is same, the antenna gain is lower than the original application.

(2) Modular has proceed 18mm which smaller than 25mm of bystander requirement and excluded testing.

1.2 Antenna List

No.	Manufacturer	Part No.(Vendor)	Antenna Type	Peak Gain
1	Hong-Bo [NB]	260-27414 (Main) 260-27413 (Aux)	PIFA	0.44dBi for 2.4GHz 1.30dBi for 5.15~5.25GHz 1.30dBi for 5.25~5.35GHz -0.48dBi for 5.47~5.725GHz -0.37dBi for 5.725~5.850GHz
	Hong-Bo [PAD]	260-27414 (Main) 260-27413 (Aux)	PIFA	-2.61dBi for 2.4GHz 0.37dBi for 5.15~5.25GHz -0.75dBi for 5.25~5.35GHz 0.09dBi for 5.47~5.725GHz 0.30dBi for 5.725~5.850GHz
2	WNC [NB]	025.901NB.0011 (Main) 025.901NC.0011 (Aux)	PIFA	-2.39dBi for 2.4GHz 1.09dBi for 5.15~5.25GHz 0.34dBi for 5.25~5.35GHz 1.75dBi for 5.47~5.725GHz 1.75dBi for 5.725~5.850GHz
	WNC [PAD]	025.901NB.0011 (Main) 025.901NC.0011 (Aux)	PIFA	-2.65dBi for 2.4GHz 2.36dBi for 5.15~5.25GHz 2.36dBi for 5.25~5.35GHz 2.18dBi for 5.47~5.725GHz 2.38dBi for 5.725~5.850GHz

1.3 SAR Test Exclusion Calculation

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 ($\text{Power(mW)}/\text{separation (mm)} \times \sqrt{f(\text{GHz})} \leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0 :

According to KDB Publication 616217 D04, section 4.2.b), When between the antenna and user is more than 5mm, edge SAR is not required for NB mode.

NB Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna < 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (≤ 3.0 SAR is not required)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Main	WiFi	2462	17	50	122	310	2	223	2	62	>50mm	>50mm	15.7	>50mm	15.7	>50mm
Main	WiFi	5240	13.5	22	122	310	2	223	2	62	>50mm	>50mm	10.2	>50mm	10.2	>50mm
Main	WiFi	5320	13.5	22	122	310	2	223	2	62	>50mm	>50mm	10.3	>50mm	10.3	>50mm
Main	WiFi	5700	13.5	22	122	310	2	223	2	62	>50mm	>50mm	10.7	>50mm	10.7	>50mm
Main	WiFi	5825	13.5	22	122	310	2	223	2	62	>50mm	>50mm	10.8	>50mm	10.8	>50mm

NB Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna > 50mm from the user :

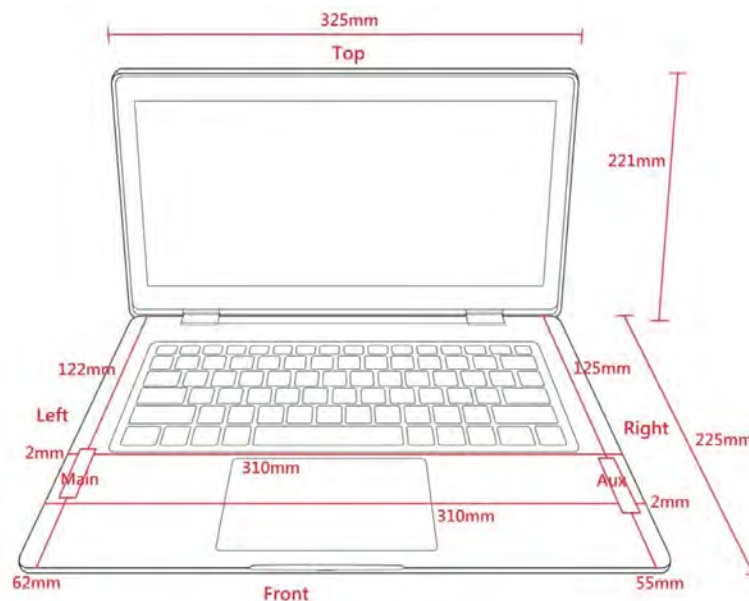
Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (SAR test exclusion power, mW)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Main	WiFi	2462	17	50	122	310	2	223	2	62	815.6	2695.6	<50mm	1825.6	<50mm	215.6
Main	WiFi	5240	13.5	22	122	310	2	223	2	62	785.5	2665.5	<50mm	1795.5	<50mm	185.5
Main	WiFi	5320	13.5	22	122	310	2	223	2	62	785.0	2665.0	<50mm	1795.0	<50mm	185.0
Main	WiFi	5700	13.5	22	122	310	2	223	2	62	782.8	2662.8	<50mm	1792.8	<50mm	182.8
Main	WiFi	5825	13.5	22	122	310	2	223	2	62	782.2	2662.2	<50mm	1792.2	<50mm	182.2

NB Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna < 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (≤ 3.0 SAR is not required)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Aux	WiFi	2462	17	50	125	2	310	223	2	55	>50mm	15.7	>50mm	>50mm	15.7	>50mm
Aux	WiFi	5240	13.5	22	125	2	310	223	2	55	>50mm	10.2	>50mm	>50mm	10.2	>50mm
Aux	WiFi	5320	13.5	22	125	2	310	223	2	55	>50mm	10.3	>50mm	>50mm	10.3	>50mm
Aux	WiFi	5700	13.5	22	125	2	310	223	2	55	>50mm	10.7	>50mm	>50mm	10.7	>50mm
Aux	WiFi	5825	13.5	22	125	2	310	223	2	55	>50mm	10.8	>50mm	>50mm	10.8	>50mm
Aux	BT	2480	10.5	11	125	2	310	223	2	55	>50mm	3.5	>50mm	>50mm	3.5	>50mm

NB Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna > 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (SAR test exclusion power,mW)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Aux	WiFi	2462	17	50	125	2	310	223	2	55	845.6	<50mm	2695.6	1825.6	<50mm	145.6
Aux	WiFi	5240	13.5	22	125	2	310	223	2	55	815.5	<50mm	2665.5	1795.5	<50mm	115.5
Aux	WiFi	5320	13.5	22	125	2	310	223	2	55	815.0	<50mm	2665.0	1795.0	<50mm	115.0
Aux	WiFi	5700	13.5	22	125	2	310	223	2	55	812.8	<50mm	2662.8	1792.8	<50mm	112.8
Aux	WiFi	5825	13.5	22	125	2	310	223	2	55	812.2	<50mm	2662.2	1792.2	<50mm	112.2
Aux	BT	2480	10.5	11	125	2	310	223	2	55	845.3	<50mm	2695.3	1825.3	<50mm	145.3



PAD Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna < 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (≤ 3.0 SAR is not required)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Main	WiFi	2462	17	50	2	310	2	62	122	20	15.7	>50mm	15.7	>50mm	>50mm	3.9
Main	WiFi	5240	13.5	22	2	310	2	62	122	20	10.2	>50mm	10.2	>50mm	>50mm	2.6
Main	WiFi	5320	13.5	22	2	310	2	62	122	20	10.3	>50mm	10.3	>50mm	>50mm	2.6
Main	WiFi	5700	13.5	22	2	310	2	62	122	20	10.7	>50mm	10.7	>50mm	>50mm	2.7
Main	WiFi	5825	13.5	22	2	310	2	62	122	20	10.8	>50mm	10.8	>50mm	>50mm	2.7

PAD Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna > 50mm from the user :

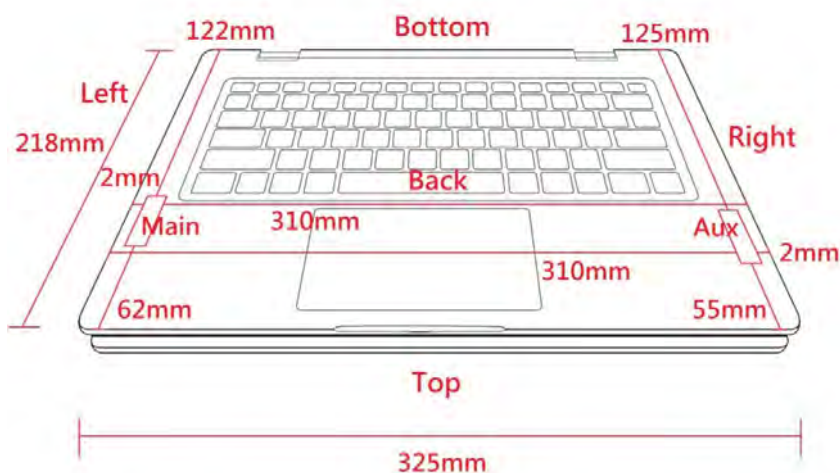
Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (SAR test exclusion power,mW)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Main	WiFi	2462	17	50	2	310	2	62	122	20	<50mm	2695.6	<50mm	215.6	815.6	<50mm
Main	WiFi	5240	13.5	22	2	310	2	62	122	20	<50mm	2665.5	<50mm	185.5	785.5	<50mm
Main	WiFi	5320	13.5	22	2	310	2	62	122	20	<50mm	2665.0	<50mm	185.0	785.0	<50mm
Main	WiFi	5700	13.5	22	2	310	2	62	122	20	<50mm	2662.8	<50mm	182.8	782.8	<50mm
Main	WiFi	5825	13.5	22	2	310	2	62	122	20	<50mm	2662.2	<50mm	182.2	782.2	<50mm

PAD Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna < 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (≤ 3.0 SAR is not required)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Aux	WiFi	2462	17	50	2	2	310	55	125	20	15.7	15.7	>50mm	>50mm	>50mm	3.9
Aux	WiFi	5240	13.5	22	2	2	310	55	125	20	10.2	10.2	>50mm	>50mm	>50mm	2.6
Aux	WiFi	5320	13.5	22	2	2	310	55	125	20	10.3	10.3	>50mm	>50mm	>50mm	2.6
Aux	WiFi	5700	13.5	22	2	2	310	55	125	20	10.7	10.7	>50mm	>50mm	>50mm	2.7
Aux	WiFi	5825	13.5	22	2	2	310	55	125	20	10.8	10.8	>50mm	>50mm	>50mm	2.7
Aux	BT	2480	10.5	11	2	2	310	55	125	20	3.5	3.5	>50mm	>50mm	>50mm	0.9

PAD Mode SAR exclusion calculations for WiFi-SISO and Bluetooth for antenna > 50mm from the user :

Antenna	Tx	Frequency (MHz)	Output Power		Separation distances (mm)						Calculated Threshold Value (SAR test exclusion power,mW)					
			dBm	mW	Back	Right	Left	Top	Bottom	Front	Back	Right	Left	Top	Bottom	Front
Aux	WiFi	2462	17	50	2	2	310	55	125	20	<50mm	<50mm	2695.6	145.6	845.6	<50mm
Aux	WiFi	5240	13.5	22	2	2	310	55	125	20	<50mm	<50mm	2665.5	115.5	815.5	<50mm
Aux	WiFi	5320	13.5	22	2	2	310	55	125	20	<50mm	<50mm	2665.0	115.0	815.0	<50mm
Aux	WiFi	5700	13.5	22	2	2	310	55	125	20	<50mm	<50mm	2662.8	112.8	812.8	<50mm
Aux	WiFi	5825	13.5	22	2	2	310	55	125	20	<50mm	<50mm	2662.2	112.2	812.2	<50mm
Aux	BT	2480	10.5	11	2	2	310	55	125	20	<50mm	<50mm	2695.3	145.3	845.3	<50mm



1.4 Test Environment

Ambient conditions in the laboratory:

Test Date: Feb 13, 2020

Items	Required	Actual
Temperature (°C)	18-25	23.5± 2
Humidity (%RH)	30-70	50

Test Date: Feb 19, 2020

Items	Required	Actual
Temperature (°C)	18-25	23.3± 2
Humidity (%RH)	30-70	50

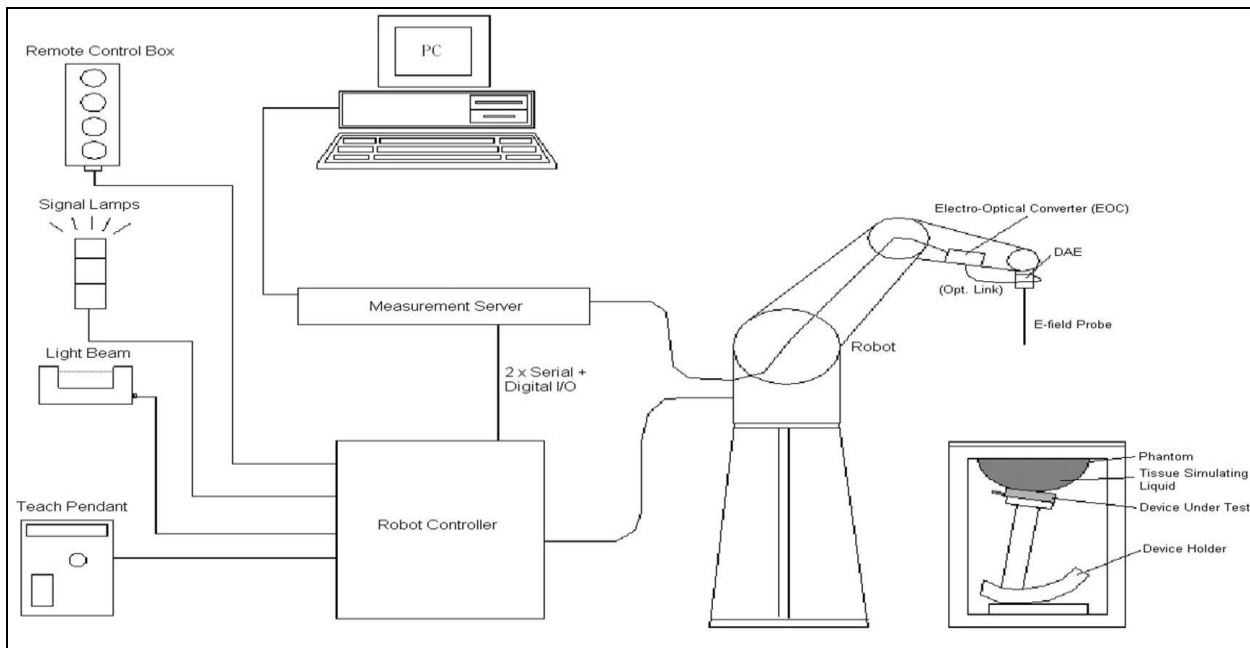
USA : FCC Registration Number: TW3023
Canada : IC Registration Number: 4075A

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No.5-22, Ruishukeng, Linkou Dist.,
New Taipei City 24451, Taiwan, R.O.C.
Phone number : 886-2-8601-3788
Fax number : 886-2-8601-3789
Email address : info.tw@dekra.com
Website : <http://www.dekra.com.tw>

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 10mm² 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 1528-2013, 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/m³ 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 (including FCC) utilize a physical step of 5x5x7 (8mmx8mmx5mm) providing a volume of 32mm 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 f_1 , the spatially steep distribution f_3 and f_2 accounts for H-field cancellation on the phantom/tissue surface.

$$f_1(x, y, z) = Ae^{-\frac{z}{2a}} \cos^2 \left(\frac{\pi}{2} \frac{\sqrt{x'^2 + y'^2}}{5a} \right)$$

$$f_2(x, y, z) = Ae^{-\frac{z}{a}} \frac{a^2}{a^2 + x'^2} \left(3 - e^{-\frac{2z}{a}} \right) \cos^2 \left(\frac{\pi}{2} \frac{y'}{3a} \right)$$

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

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 $\epsilon_r = 3$ 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 top, 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 Head	5200MHz Head	5800MHz Head
Water	46.7	67.63	68.29
Salt	0.00	0.00	0.00
Sugar	0.00	0.00	0.00
HEC	0.00	0.00	0.00
Preventol	0.00	0.00	0.00
DGBE	53.3	3.38	2.44
Triton X-100	0.00	28.99	29.27

3.2 Tissue Calibration Result

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

Head Tissue Simulate Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
2450 MHz	Reference result $\pm 5\%$ window	39.2 37.24 to 41.16	1.8 1.71 to 1.89	N/A
	13-Feb-20	40.49	1.78	22.4
2412 MHz	Low channel	40.72	1.73	22.4
2437 MHz	Mid channel	40.56	1.77	22.4
2480 MHz	High channel	40.23	1.84	22.4

Head Tissue Simulate Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
5300MHz	Reference result $\pm 5\%$ window	35.9 34.11 to 37.70	4.76 4.52 to 5.00	N/A
	19-Feb-20	36.75	4.78	22.0
5290 MHz	Channel 58	36.78	4.76	22.0

Head Tissue Simulate Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
5600MHz	Reference result $\pm 5\%$ window	35.5 33.73 to 37.28	5.07 4.82 to 5.32	N/A
	19-Feb-20	35.35	5.12	22.0
5530 MHz	Low channel	35.43	5.03	22.0
5610 MHz	Mid channel	35.32	5.13	22.0
5690 MHz	High channel	35.18	5.16	22.0

Head Tissue Simulate Measurement				
Frequency [MHz]	Description	Dielectric Parameters		Tissue Temp. [°C]
		ϵ_r	σ [s/m]	
5800MHz	Reference result $\pm 5\%$ window	35.3 33.54 to 37.07	5.27 5.01 to 5.53	N/A
	19-Feb-20	35.04	5.37	22.0
5775 MHz	Channel 155	35.25	5.34	22.0

3.3 Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC 62209-1 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 tissue parameters that have not been specified are interpolated according to the head parameters specified in IEC 62209-1

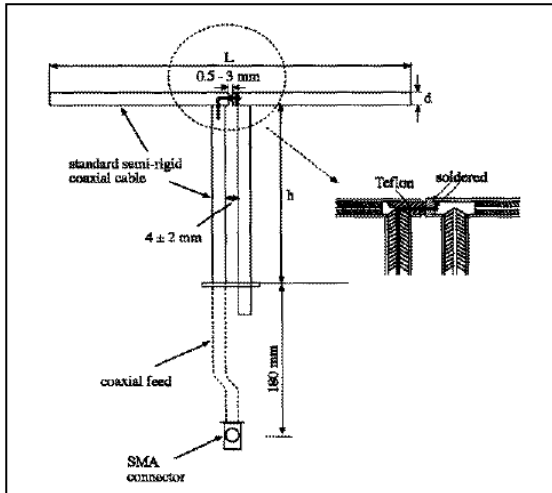
Target Frequency	Head	
(MHz)	ϵ_r	σ (S/m)
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1640	40.2	1.31
1750	40.1	1.37
1800 – 2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.3	5.27
5800	35.3	5.27
6000	35.1	5.48

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

4. SAR Measurement Procedure

4.1 SAR System Check

4.1.1 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	51.5	30.4	3.6
5200M~5800MHz	20.6	40.3	3.6

4.1.2 System Check Result

System Performance Check at 2450MHz Dipole Kit: D2450V2				
Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
2450 MHz	Reference result ± 10% window	53.1 47.79 to 58.41	24.6 22.14 to 27.06	N/A
	13-Feb-20	54.4	24.80	22.4
Note: (1) The power level is used 250mW (2) All SAR values are normalized to 1W forward power. (3) The reference result is from Appendix E.				

System Performance Check at 5300MHz**Dipole Kit: D5GHzV2**

Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
5300 MHz	Reference result ± 10% window	83.0 74.70 to 91.30	23.8 21.42 to 26.18	N/A
	19-Feb-20	80.8	22.9	22.0

Note: (1) The power level is used 100mW
 (2) All SAR values are normalized to 1W forward power.
 (3) The reference result is from Appendix E.

System Performance Check at 5600MHz**Dipole Kit: D5GHzV2**

Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
5600 MHz	Reference result ± 10% window	86.7 78.03 to 95.37	24.5 22.05 to 26.95	N/A
	19-Feb-20	79.4	22.4	22.0

Note: (1) The power level is used 100mW
 (2) All SAR values are normalized to 1W forward power.
 (3) The reference result is from Appendix E.

System Performance Check at 5800MHz**Dipole Kit: D5GHzV2**

Frequency [MHz]	Description	SAR [w/kg] 1g	SAR [w/kg] 10g	Tissue Temp. [°C]
5800 MHz	Reference result ± 10% window	83.1 74.79to 91.41	23.5 21.15to 25.85	N/A
	19-Feb-20	90.4	24.8	22.0

Note: (1) The power level is used 100mW
 (2) All SAR values are normalized to 1W forward power.
 (3) The reference result is from Appendix E.

4.2 SAR Measurement Procedure

The Dasy5 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 1mm²) 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 1mm³).

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.	Last Calibration	Next Calibration
Stäubli Robot TX60L	Stäubli	TX60L	F09/5BL1A1/A06	2009/05/18	only once
Controller	Speag	CS8c	N/A	2009/05/18	only once
Reference Dipole 2450MHz	Speag	D2450V2	930	2019/11/21	2022/11/20
Reference Dipole 5GHz	Speag	D5GHzV2	1041	2017/05/26	2020/05/25
SAM Twin Phantom	Speag	QD000 P40 CA	Tp 1515	N/A	N/A
Device Holder	Speag	N/A	N/A	N/A	N/A
Data Acquisition Electronic	Speag	DAE4	1207	2019/11/14	2020/11/13
E-Field Probe	Speag	EX3DV4	3898	2019/11/22	2020/11/21
SAR Software	Speag	DASY52	V52.10.0.1446	N/A	N/A
Aprél Dipole Spaccer	Aprél	ALS-DS-U	QTK-295	N/A	N/A
Power Amplifier	Mini-Circuit	ZHL-42	D051404-20	N/A	N/A
Directional Coupler	Agilent	87300C	MY44300353	N/A	N/A ¹
Vector Network	Woken	WATT-218FS-10	N/A	N/A	N/A ¹
Signal Generator	Mini-Circuit	BW-S20W2+	N/A	N/A	N/A ¹
Power Meter	Agilent	E5071C	MY46106342	2019/09/09	2020/09/08
Wide Bandwidth Sensor	Anritsu	MG3694A	041902	2019/08/23	2020/08/22
Power Meter	Anritsu	ML2487A	6K00001447	2019/10/24	2020/10/23
Temperature	Anritsu	MA2411B	1339194	2019/10/24	2020/10/23

Note: 1. System Check, the path loss measured by the network analyzer, includes the signal generator, amplifier, cable, attenuator and directional coupler.

Note:

Per KDB 865664 D01 requirements for dipole calibration, the following are recommended FCC procedures for SAR dipole calibration.

1. After a dipole is damaged and properly repaired to meet required specifications
2. When the measured SAR deviates from the calibrated SAR value by more than 10% due to changes in physical, mechanical, electrical or other relevant dipole conditions;
3. When the most recent return-loss, measured at least annually, deviates by more than 20% from the previous measurement (i.e. 0.2 of the dB value) or not meeting the required -20 dB return-loss specification

	Frequency	Tissue	Return loss	Limit	Verified Date
Calibration	5200	Head	-21.63dB	Within 20%	2017.05.26
Measurement	5200	Head	-24.03dB		2018.05.25
Measurement	5200	Head	-23.75dB		2019.05.25

	Frequency	Tissue	Return loss	Limit	Verified Date
Calibration	5300	Head	-29.02dB	Within 20%	2017.05.26
Measurement	5300	Head	-30.41dB		2018.05.25
Measurement	5300	Head	-27.09dB		2019.05.25

	Frequency	Tissue	Return loss	Limit	Verified Date
Calibration	5600	Head	-25.73dB	Within 20%	2017.05.26
Measurement	5600	Head	-24.74dB		2018.05.25
Measurement	5600	Head	-23.33dB		2019.05.25

	Frequency	Tissue	Return loss	Limit	Verified Date
Calibration	5800	Head	-24.65dB	Within 20%	2017.05.26
Measurement	5800	Head	-23.05dB		2018.05.25
Measurement	5800	Head	-20.12dB		2019.05.25

4. When the most recent measurement of the real or imaginary parts of the impedance, measured at least annually, deviates by more than 5 Ω from the previous measurement:

	Frequency	Tissue	Impedance	Limit	Verified Date
Calibration	5200	Head	49.84	Within 5 Ω	2017.05.26
Measurement	5200	Head	50.84		2018.05.25
Measurement	5200	Head	51.81		2019.05.25

	Frequency	Tissue	Impedance	Limit	Verified Date
Calibration	5300	Head	47.97	Within 5 Ω	2017.05.26
Measurement	5300	Head	51.87		2018.05.25
Measurement	5300	Head	51.84		2019.05.25

	Frequency	Tissue	Impedance	Limit	Verified Date
Calibration	5600	Head	55.19	Within 5 Ω	2017.05.26
Measurement	5600	Head	51.14		2018.05.25
Measurement	5600	Head	54.82		2019.05.25

	Frequency	Tissue	Impedance	Limit	Verified Date
Calibration	5800	Head	56.20	Within 5 Ω	2017.05.26
Measurement	5800	Head	53.52		2018.05.25
Measurement	5800	Head	54.96		2019.05.25

7. Measurement Uncertainty

DASY5 Uncertainty (According to IEEE 1528-2013) Measurement uncertainty for 30 MHz to 3 GHz								
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%	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%	∞
Modulation Response	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%	∞
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.	±4.0%	R	$\sqrt{3}$	1	1	±1.2%	±1.2%	∞
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%	∞
Power Scaling	±0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%	
Phantom and Setup								
Phantom Uncertainty	±6.1%	R	$\sqrt{3}$	1	1	±3.5%	±3.5%	∞
SAR correction	±1.9%	R	$\sqrt{3}$	1	0.84	±1.1%	±0.9%	∞
Liquid Conductivity (meas.)	±2.5%	R	$\sqrt{3}$	0.78	0.71	±1.1%	±1.0%	∞
Liquid Permittivity (meas.)	±2.5%	R	$\sqrt{3}$	0.26	0.26	±0.3%	±0.4%	∞
Temp. unc. - Conductivity	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%	∞
Temp. unc. - Permittivity	±0.4%	R	$\sqrt{3}$	0.23	0.26	±0.1%	±0.1%	∞
Combined Std. Uncertainty						±11.2%	±11.1%	361
Expanded STD Uncertainty						±22.3%	±22.2%	

DASY5 Uncertainty (According to IEEE 1528-2013) Measurement uncertainty for 3GHz to 6 GHz								
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%	∞
Modulation Response	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%	∞
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	±6.7%	R	$\sqrt{3}$	1	1	±3.9%	±3.9%	∞
Post-processing	±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%	∞
Power Scaling	±0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%	
Phantom and Setup								
Phantom Uncertainty	±6.6%	R	$\sqrt{3}$	1	1	±3.8%	±3.8%	∞
SAR correction	±1.9%	R	$\sqrt{3}$	1	1	±1.1%	±0.9%	∞
Liquid Conductivity (meas.)	±2.5%	R	$\sqrt{3}$	1	0.84	±1.1%	±1.0%	∞
Liquid Permittivity (meas.)	±2.5%	R	$\sqrt{3}$	0.26	0.26	±0.3%	±0.4%	∞
Temp. unc. - Conductivity	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%	∞
Temp. unc. - Permittivity	±0.4%	R	$\sqrt{3}$	0.23	0.26	±0.1%	±0.1%	∞
Combined Std. Uncertainty						±12.3%	±12.2%	748
Expanded STD Uncertainty						±24.6%	±24.5%	

8. Conducted Power Measurement (Including tolerance allowed for production unit)

WLAN 2.4G 2TX SISO

DSSS/OFDM mode specified maximum output power at an antenna port	Frequency	Mode	BW	SISO-Main(TX1) Chain B				SISO-Aux(TX2) Chain A			
				CH	PK Power	AV Power	AV Target	CH	PK Power	AV Power	AV Target
	WLAN 2.4GHz										
		b	20	1	20.21	16.89	17	1	20.04	16.84	17
				6	20.15	16.82	17	6	20.01	16.77	17
				11	20.26	16.80	17	11	20.88	16.83	17
				12	20.11	16.70	17	12	20.74	16.78	17
				13	17.80	14.28	14.5	13	18.89	14.70	15
		g	20	1	22.01	16.85	17	1	21.81	16.75	17
				6	21.92	16.75	17	6	21.76	16.78	17
				11	20.03	14.77	15	11	20.39	15.34	15.5
				12	19.05	13.68	14	12	18.82	13.75	14
				13	21.93	11.70	12	13	21.91	11.86	12
		n (HT)	20	1	22.03	16.89	17	1	22.10	16.74	17
				6	21.98	16.74	17	6	21.99	16.70	17
				11	21.82	16.69	17	11	21.82	16.72	17
				12	20.27	14.99	15	12	19.51	14.22	14.5
				13	22.11	11.82	12	13	22.42	12.36	12.5
			40	3	22.56	16.86	17	3	22.01	16.39	16.5
				6	22.57	16.75	17	6	22.29	16.74	17
				9	21.48	15.50	15.5	9	21.79	15.86	16
				10	18.31	12.34	12.5	10	19.03	12.88	13
				11	21.92	11.90	12	11	21.82	12.31	12.5
		ax (VHT)	20	1	22.02	16.70	17	1	22.29	16.87	17
				6	22.14	16.71	17	6	22.03	16.76	17
				11	21.83	16.26	16.5	11	21.52	16.30	16.5
				12	16.54	11.19	11.5	12	20.03	14.89	15
				13	21.89	11.47	11.5	13	21.91	11.46	12
			40	3	22.36	16.65	17	3	22.11	16.32	16.5
				6	22.59	16.74	17	6	21.99	16.38	16.5
				9	20.98	14.99	15	9	21.28	15.39	15.5
				10	18.31	12.33	12.5	10	18.37	12.42	12.5
				11	22.01	11.92	12	11	17.32	11.71	12

WLAN 5G 2TX SISO (NB)

OFDM mode specified maximum output power at an antenna port	Frequency	Mode	BW	SISO-Main(TX1) Chain B			SISO-Aux(TX2) Chain A			Frequency	Mode	BW	SISO-Main(TX1) Chain B			SISO-Aux(TX2) Chain A		
				CH	AV Power	AV Target	CH	AV Power	AV Target				CH	AV Power	AV Target	CH	AV Power	AV Target
OFDM mode specified maximum output power at an antenna port	U-NII-1 (5150 ~5250MHz)	a	20	36	13.46	13.5	36	13.18	13.5	U-NII-2A (5250 ~5350MHz)	a	20	52	13.24	13.5	52	13.36	13.5
				40	13.36	13.5	40	13.13	13.5				56	13.38	13.5	56	13.42	13.5
				44	13.33	13.5	44	13.29	13.5				60	13.25	13.5	60	13.33	13.5
				48	13.34	13.5	48	13.32	13.5				64	13.26	13.5	64	13.22	13.5
		n(HT)	20	36	13.43	13.5	36	13.26	13.5		n(HT)	20	52	13.22	13.5	52	13.36	13.5
				40	13.45	13.5	40	13.24	13.5				56	13.37	13.5	56	13.38	13.5
				44	13.37	13.5	44	13.36	13.5				60	13.26	13.5	60	13.32	13.5
				48	13.24	13.5	48	13.28	13.5				64	13.23	13.5	64	13.21	13.5
		40		38	13.32	13.5	38	13.29	13.5		40		54	13.23	13.5	54	13.32	13.5
				46	13.32	13.5	46	13.22	13.5				62	13.24	13.5	62	13.26	13.5
		ac	80	42	13.42	13.5	42	13.46	13.5		ac	80	58	13.46	13.5	58	13.39	13.5
	U-NII-2C (5470 ~5650MHz)	ax (VHT)	20	36	13.39	13.5	36	13.25	13.5		ax (VHT)	20	50	13.29	13.5	50	13.34	13.5
				40	13.30	13.5	40	13.21	13.5				52	13.21	13.5	52	13.40	13.5
				44	13.26	13.5	44	13.42	13.5				56	13.31	13.5	56	13.37	13.5
				48	13.18	13.5	48	13.41	13.5				60	13.30	13.5	60	13.34	13.5
		40		38	13.12	13.5	38	13.38	13.5		40		54	13.22	13.5	54	13.49	13.5
				46	13.25	13.5	46	13.43	13.5				62	13.27	13.5	62	13.43	13.5
		80		42	13.24	13.5	42	13.31	13.5		80		58	13.28	13.5	58	13.40	13.5
		a	20	100	13.32	13.5	100	13.43	13.5		a	20	132	13.37	13.5	132	13.48	13.5
				112	13.23	13.5	112	13.27	13.5				149	13.31	13.5	149	13.31	13.5
				116	13.38	13.5	116	13.24	13.5				165	13.32	13.5	165	13.36	13.5
				128	13.34	13.5	128	13.49	13.5				132	13.38	13.5	132	13.38	13.5
		n(HT)	20	100	13.29	13.5	100	13.41	13.5		n(HT)	20	149	13.34	13.5	149	13.33	13.5
				112	13.31	13.5	112	13.19	13.5				165	13.31	13.5	165	13.10	13.5
				116	13.36	13.5	116	13.26	13.5				134	13.32	13.5	134	13.24	13.5
				128	13.24	13.5	128	13.43	13.5				151	13.15	13.5	151	13.26	13.5
		40		102	13.32	13.5	102	13.40	13.5		40		159	13.30	13.5	159	13.27	13.5
				110	13.36	13.5	110	13.19	13.5				144	13.48	13.5	144	13.34	13.5
				118	13.46	13.5	118	13.19	13.5				142	13.46	13.5	142	13.38	13.5
				126	13.27	13.5	126	13.33	13.5				138	13.44	13.5	138	13.34	13.5
		ac	80	106	13.37	13.5	106	13.45	13.5	5.65 GHz & U-NII-3 (5725 ~5850MHz)	ac	80	155	13.28	13.5	155	13.21	13.5
				122	13.36	13.5	122	13.47	13.5				132	13.28	13.5	132	13.26	13.5
		160		114	13.38	13.5	114	13.26	13.5		ax (VHT)	20	149	13.34	13.5	149	13.45	13.5
				100	13.26	13.5	100	13.47	13.5				165	13.47	13.5	165	13.10	13.5
				112	13.31	13.5	112	13.19	13.5				134	13.37	13.5	134	13.44	13.5
				116	13.35	13.5	116	13.25	13.5				151	13.32	13.5	151	13.26	13.5
		ax (VHT)	20	128	13.26	13.5	128	13.22	13.5			40	159	13.47	13.5	159	13.19	13.5
				102	13.26	13.5	102	13.40	13.5				144	13.27	13.5	144	13.26	13.5
				110	13.33	13.5	110	13.19	13.5				142	13.12	13.5	142	13.31	13.5
				118	13.40	13.5	118	13.18	13.5				138	13.42	13.5	138	13.36	13.5
		40		126	13.32	13.5	126	13.34	13.5			80	155	13.13	13.5	155	13.35	13.5
				106	13.33	13.5	106	13.43	13.5									
				122	13.26	13.5	122	13.32	13.5									
				114	13.40	13.5	114	13.25	13.5									

BT Only Support Aux

	Frequency	Mode	Modulation	SISO-Main(TX1)				SISO-Aux(TX2)			
				Chain B				Chain A			
				CH	PK Power	AV Power	AV Target	CH	PK Power	AV Power	AV Target
Bluetooth mode maximum output power	BT 2.4GHz	BR	GFSK	0	N/A	N/A	N/A	0	10.15	8.76	10.50
				39	N/A	N/A	N/A	39	10.28	8.86	10.50
				78	N/A	N/A	N/A	78	10.42	9.05	10.50
		EDR	8DPSK	0	N/A	N/A	N/A	0	9.64	7.17	10.00
				39	N/A	N/A	N/A	39	9.83	7.34	10.00
				78	N/A	N/A	N/A	78	9.98	7.32	10.00
		BLE	GFSK	0	N/A	N/A	N/A	0	8.38	6.82	7.00
				19	N/A	N/A	N/A	19	8.39	6.87	7.00
				39	N/A	N/A	N/A	39	8.43	6.96	7.00

9. Test Results

9.1 SAR Test Results Summary

SAR MEASUREMENT									
Ambient Temperature (°C) : 23.5 ±2					Relative Humidity (%) : 50				
Liquid Temperature (°C) : 22.4 ±2					Depth of Liquid (cm):>15				
Test Position Body	Antenna Position	Dist (mm)	Frequency		Conducted Power (dBm)		SAR 1g (W/kg)		Limit (W/kg)
			Channel	MHz	Measurement	Tune-up Limit	Measurement	Tune-up Scaled	
Test Mode: 802.11b - Hong-Bo Main Antenna									
Bottom(NB)	Fixed	0	1	2412	16.89	17	0.254	0.261	1.6
Back(PAD)	Fixed	0	1	2412	16.89	17	0.063	0.065	1.6
Left -Side(PAD)	Fixed	0	1	2412	16.89	17	0.025	0.026	1.6
Test Mode: 802.11b - Hong-Bo Aux Antenna									
Bottom(NB)	Fixed	0	1	2412	16.84	17	0.655	0.680	1.6
Back(PAD)	Fixed	0	1	2412	16.84	17	0.00394	0.004	1.6
Right-Side(PAD)	Fixed	0	1	2412	16.84	17	0.084	0.087	1.6
Test Mode: BT-1M - Hong-Bo Aux Antenna									
Bottom(NB)	Fixed	0	78	2480	9.05	10.5	0.111	0.155	1.6
Note : 1. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required. 2. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.									

SAR MEASUREMENT									
Ambient Temperature (°C) : 23.5 ±2					Relative Humidity (%): 50				
Liquid Temperature (°C) : 22.4 ±2					Depth of Liquid (cm):>15				
Test Position Body	Antenna Position	Dist (mm)	Frequency		Conducted Power (dBm)		SAR 1g (W/kg)		Limit (W/kg)
			Channel	MHz	Measurement	Tune-up Limit	Measurement	Tune-up Scaled	
Test Mode: 802.11b - WNC Main Antenna									
Bottom(NB)	Fixed	0	1	2412	16.89	17	1.050	1.077	1.6
Bottom(NB)	Fixed	0	6	2437	16.82	17	0.839	0.875	1.6
Bottom(NB)	Fixed	0	11	2462	16.80	17	0.877	0.918	1.6
Back(PAD)	Fixed	0	1	2412	16.89	17	0.047	0.048	1.6
Left -Side(PAD)	Fixed	0	1	2412	16.89	17	0.530	0.544	1.6
Test Mode: 802.11b - WNC Aux Antenna									
Bottom(NB)	Fixed	0	1	2412	16.84	17	0.920	0.955	1.6
Bottom(NB)	Fixed	0	6	2437	16.77	17	1.030	1.086	1.6
Bottom(NB)	Fixed	0	11	2462	16.83	17	0.932	0.969	1.6
Back(PAD)	Fixed	0	1	2412	16.84	17	0.089	0.092	1.6
Right-Side(PAD)	Fixed	0	1	2412	16.84	17	0.279	0.289	1.6
Test Mode: BT-1M - WNC Aux Antenna									
Bottom(NB)	Fixed	0	78	2480	9.05	10.5	0.231	0.323	1.6
Note : 1. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required.									
2. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.									

SAR MEASUREMENT									
Ambient Temperature (°C) : 23.3 ±2					Relative Humidity (%): 50				
Liquid Temperature (°C) : 22.0 ±2					Depth of Liquid (cm):>15				
Test Position Body	Antenna Position	Dist (mm)	Frequency		Conducted Power (dBm)		SAR 1g (W/kg)		Limit (W/kg)
			Channel	MHz	Measurement	Tune-up Limit	Measurement	Tune-up Scaled	
Test Mode: 802.11ac80M - Hong-Bo Main Antenna									
Bottom(NB)	Fixed	0	58	5290	13.46	13.5	0.323	0.326	1.6
Bottom(NB)	Fixed	0	138	5690	13.44	13.5	0.216	0.219	1.6
Bottom(NB)	Fixed	0	155	5775	13.28	13.5	0.204	0.215	1.6
Back(PAD)	Fixed	0	58	5290	13.46	13.5	0.053	0.053	1.6
Back(PAD)	Fixed	0	138	5690	13.44	13.5	0.149	0.151	1.6
Back(PAD)	Fixed	0	155	5775	13.28	13.5	0.151	0.159	1.6
Left-side(PAD)	Fixed	0	58	5290	13.46	13.5	0.541	0.546	1.6
Left-side(PAD)	Fixed	0	138	5690	13.44	13.5	0.239	0.242	1.6
Left-side(PAD)	Fixed	0	155	5775	13.28	13.5	0.180	0.189	1.6
Test Mode: 802.11ac80M - Hong-Bo Aux Antenna									
Bottom(NB)	Fixed	0	58	5290	13.39	13.5	0.274	0.281	1.6
Bottom(NB)	Fixed	0	122	5610	13.47	13.5	0.282	0.284	1.6
Bottom(NB)	Fixed	0	155	5775	13.21	13.5	0.306	0.327	1.6
Back(PAD)	Fixed	0	58	5290	13.39	13.5	0.089	0.091	1.6
Back(PAD)	Fixed	0	122	5610	13.47	13.5	0.164	0.165	1.6
Back(PAD)	Fixed	0	155	5775	13.21	13.5	0.048	0.051	1.6
Right-side(PAD)	Fixed	0	58	5290	13.39	13.5	0.399	0.409	1.6
Right-side(PAD)	Fixed	0	122	5610	13.47	13.5	0.379	0.382	1.6
Right-side(PAD)	Fixed	0	155	5775	13.21	13.5	0.608	0.650	1.6
Note : 1. When multiple transmission modes (802.11 n) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected 2. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required in that exposure configuration. 3. When the reported SAR of the highest measured maximum U-NII-2A for the exposure configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.									

SAR MEASUREMENT									
Ambient Temperature (°C) : 23.3 ±2					Relative Humidity (%): 50				
Liquid Temperature (°C) : 22.0 ±2					Depth of Liquid (cm):>15				
Test Position Body	Antenna Position	Dist (mm)	Frequency		Conducted Power (dBm)		SAR 1g (W/kg)		Limit (W/kg)
			Channel	MHz	Measurement	Tune-up Limit	Measurement	Tune-up Scaled	
Test Mode: 802.11ac80M - WNC Main Antenna									
Bottom(NB)	Fixed	0	58	5290	13.46	13.5	0.585	0.590	1.6
Bottom(NB)	Fixed	0	106	5530	13.37	13.5	0.601	0.619	1.6
Bottom(NB)	Fixed	0	122	5610	13.36	13.5	0.745	0.769	1.6
Bottom(NB)	Fixed	0	138	5690	13.44	13.5	1.040	1.054	1.6
Bottom(NB)	Fixed	0	155	5775	13.28	13.5	1.050	1.105	1.6
Back(PAD)	Fixed	0	58	5290	13.46	13.5	0.066	0.066	1.6
Back(PAD)	Fixed	0	138	5690	13.44	13.5	0.043	0.044	1.6
Back(PAD)	Fixed	0	155	5775	13.28	13.5	0.021	0.022	1.6
Left-side(PAD)	Fixed	0	58	5290	13.46	13.5	0.378	0.381	1.6
Left-side(PAD)	Fixed	0	138	5690	13.44	13.5	0.635	0.644	1.6
Left-side(PAD)	Fixed	0	155	5775	13.28	13.5	0.413	0.434	1.6
Test Mode: 802.11ac80M - WNC Aux Antenna									
Bottom(NB)	Fixed	0	58	5290	13.39	13.5	0.562	0.576	1.6
Bottom(NB)	Fixed	0	106	5530	13.45	13.5	0.876	0.886	1.6
Bottom(NB)	Fixed	0	122	5610	13.47	13.5	1.120	1.128	1.6
Bottom(NB)	Fixed	0	138	5690	13.34	13.5	1.150	1.193	1.6
Bottom(NB)	Fixed	0	155	5775	13.21	13.5	0.974	1.041	1.6
Back(PAD)	Fixed	0	58	5290	13.39	13.5	0.157	0.161	1.6
Back(PAD)	Fixed	0	122	5610	13.47	13.5	0.195	0.196	1.6
Back(PAD)	Fixed	0	155	5775	13.21	13.5	0.155	0.166	1.6
Right-side(PAD)	Fixed	0	58	5290	13.39	13.5	0.436	0.447	1.6
Right-side(PAD)	Fixed	0	106	5530	13.45	13.5	0.811	0.820	1.6
Right-side(PAD)	Fixed	0	122	5610	13.47	13.5	0.991	0.998	1.6
Right-side(PAD)	Fixed	0	138	5690	13.34	13.5	0.879	0.912	1.6
Right-side(PAD)	Fixed	0	155	5775	13.21	13.5	0.904	0.966	1.6
Note : 1. When multiple transmission modes (802.11 n) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected 2. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required in that exposure configuration. 3. When the reported SAR of the highest measured maximum U-NII-2A for the exposure configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.									

9.2 Simultaneous Transmission

Simultaneous Transmission Configurations	
1	WLAN 2.4GHz Main + WLAN 2.4GHz Aux
2	WLAN 2.4GHz Main + BT Aux
3	WLAN 5GHz Main + BT Aux
4	WLAN 5GHz Main + WLAN 5GHz Aux
5	WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux

9.2.1 Simultaneous transmission of MIMO in 802.11 test exclusion considerations

ANTENNA:HB						
Frequency (GHz)	Test Position (Body)	WLAN Main SAR (W/Kg)	WLAN Aux SAR W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
2.4	Bottom(NB)	0.261	0.680	0.941	N/A	N/A
5	Left(PAD)/Right(PAD)	0.546	0.650	1.196	N/A	N/A

ANTENNA:WNC						
Frequency (GHz)	Test Position (Body)	WLAN Main SAR (W/Kg)	WLAN Aux SAR W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
2.4	Bottom(NB)	1.077	1.086	2.163	298	0.011
5	Bottom(NB)	1.105	1.193	2.298	298	0.012

Note : The sum of value is less than 1.6W/Kg or the ratio is determined by $(SAR1 + SAR2)1.5/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for SAR test exclusion.

9.2.2.2 simultaneous transmission of Wi-Fi and other wireless technologies

When the sum of SAR is larger than the limit, The ratio is determined by $(SAR1 + SAR2)^{1.5/R_i}$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion. The estimation result as below:

For HB DTS Band:

Mode	WLAN Main SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Bottom(NB)	0.261	0.155	0.416	N/A	N/A

The sum of value is less than 1.6W/Kg, thus simultaneous SAR testing is not needed.

For HB U-NII Band:

Mode	WLAN Main SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Left-side	0.546	0.155	0.701	N/A	N/A

The sum of value is less than 1.6W/Kg, thus simultaneous SAR testing is not needed.

Mode	WLAN Main SAR (W/Kg)	WLAN Aux SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Left-side/Right-side	0.546	0.650	0.155	1.351	N/A	N/A

The ratio of value is less than 0.04, thus simultaneous SAR testing is not needed.

For WNC DTS Band:

Mode	WLAN Main SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Bottom(NB)	1.077	0.323	1.400	N/A	N/A

The sum of value is less than 1.6W/Kg, thus simultaneous SAR testing is not needed.

For WNC U-NII Band:

Mode	WLAN Main SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Bottom(NB)	1.105	0.323	1.428	N/A	N/A

The sum of value is less than 1.6W/Kg, thus simultaneous SAR testing is not needed.

Mode	WLAN Main SAR (W/Kg)	WLAN Aux SAR (W/Kg)	BT SAR (W/Kg)	Simultaneous Transmission (W/Kg)	Antenna pair in mm	Peak location separation ratio
Bottom(NB)	1.105	1.193	0.323	2.621	298	0.014

The ratio of value is less than 0.04, thus simultaneous SAR testing is not needed.

10. SAR measurement variability

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

HB Antenna:

Frequency		SAR 1g (W/kg)						
Channel	MHz	Original	First Repeated		Second Repeated		Third Repeated	
			Value	Ratio	Value	Ratio	Value	Ratio
1	2412	0.655	N/A	N/A	N/A	N/A	N/A	N/A
155	5775	0.608	N/A	N/A	N/A	N/A	N/A	N/A

WNC Antenna:

Frequency		SAR 1g (W/kg)						
Channel	MHz	Original	First Repeated		Second Repeated		Third Repeated	
			Value	Ratio	Value	Ratio	Value	Ratio
1	2412	1.050	1.010	1.039	N/A	N/A	N/A	N/A
138	5690	1.150	1.050	1.095	N/A	N/A	N/A	N/A

Appendix

Appendix A. SAR System Check Data

Appendix B. SAR measurement Data

Appendix C. Test Setup Photographs & EUT Photographs

Appendix D. Probe Calibration Data

Appendix E. Dipole Calibration Data

Appendix A. SAR System Check Data

Test Laboratory: DEKRA

Date/Time: 2020/02/13

System Performance Check_2450MHz-Head

DUT: Dipole 2450 MHz; Type: D2450V2

Communication System: UID 10000, CW; Frequency: 2450 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.78$ S/m; $\epsilon_r = 40.49$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/2450MHz_Head/Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 16.9 W/kg

Configuration/2450MHz_Head/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

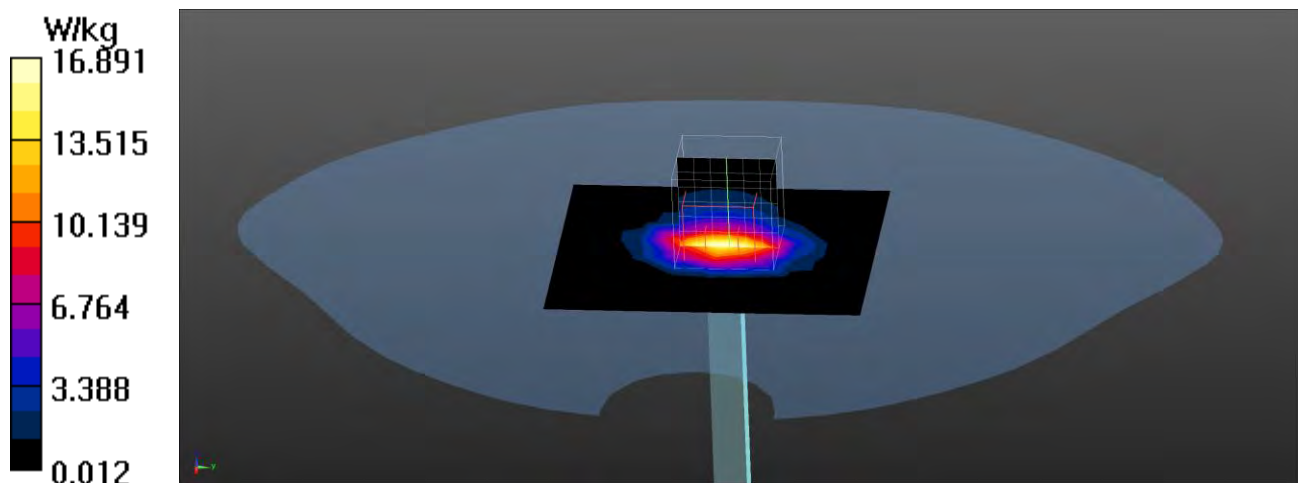
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.08 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.2 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

System Performance Check_5300MHz-Head**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: UID 0, CW; Frequency: 5300 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.78$ S/m; $\epsilon_r = 36.75$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/5300MHz-Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.2 W/kg

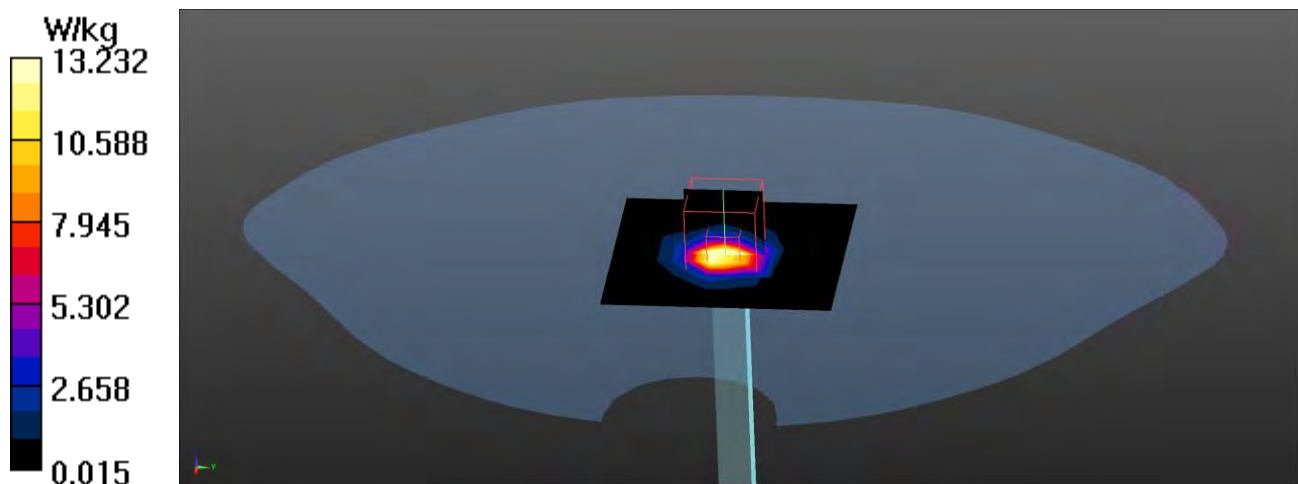
Configuration/5300MHz-Head/Zoom Scan (7x7x12mm), dist=1.4mm (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 72.24 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 20.8 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

System Performance Check_5600MHz-Head**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: UID 0, CW; Frequency: 5600 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 35.35$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/5600MHz-Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.4 W/kg

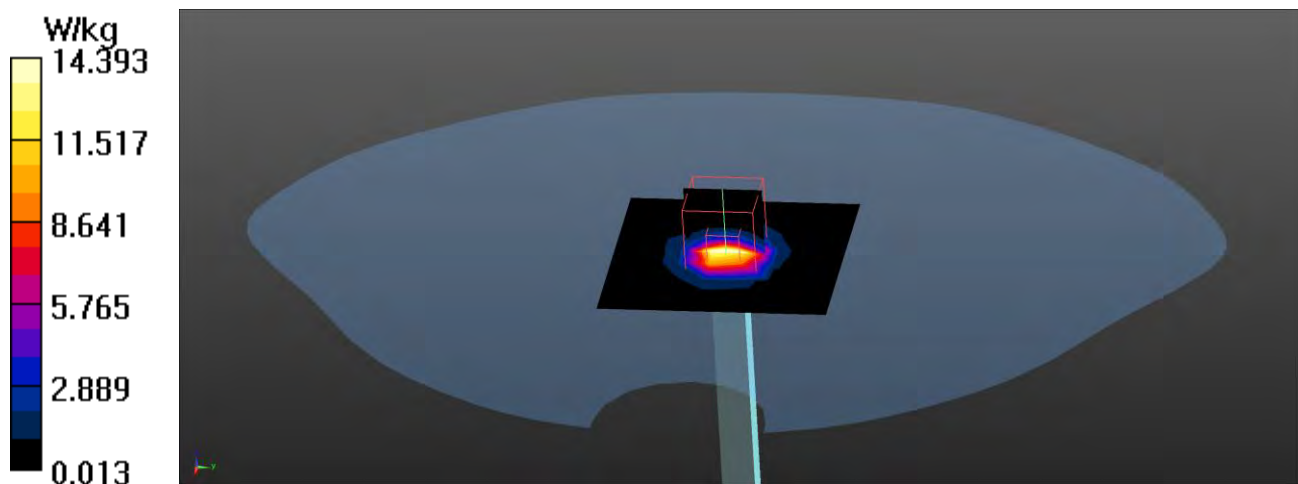
Configuration/5600MHz-Head/Zoom Scan (7x7x12mm), dist=1.4mm (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 71.08 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.24 W/kg

Maximum value of SAR (measured) = 21.3 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

System Performance Check_5800MHz-Head**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: UID 0, CW; Frequency: 5800 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.37$ S/m; $\epsilon_r = 35.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/5800MHz-Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 16.0 W/kg

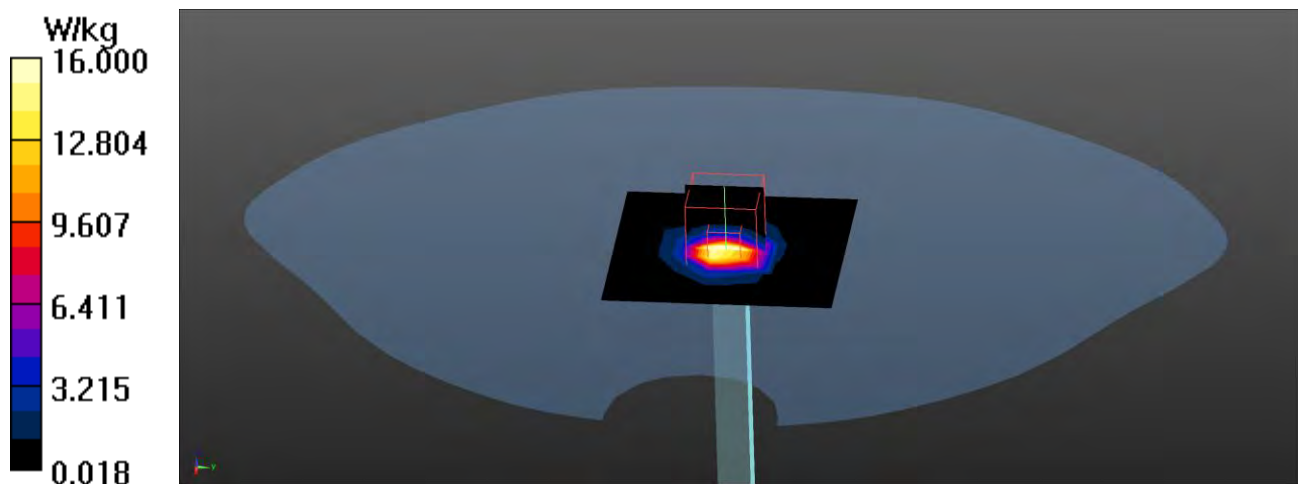
Configuration/5800MHz-Head/Zoom Scan (7x7x12mm), dist=1.4mm (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 74.21 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 38.4 W/kg

SAR(1 g) = 9.04 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 24.5 W/kg



Appendix B. SAR measurement Data

Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Bottom(NB) Main-HB

DUT: Portable computer; Type: P126G

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.604 W/kg

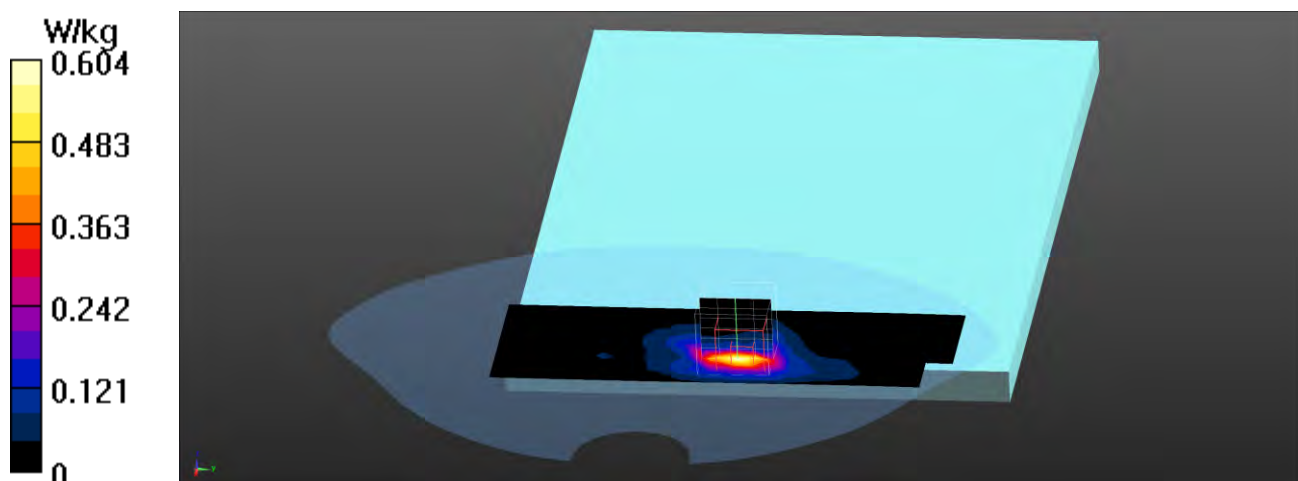
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.339 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.599 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Back(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

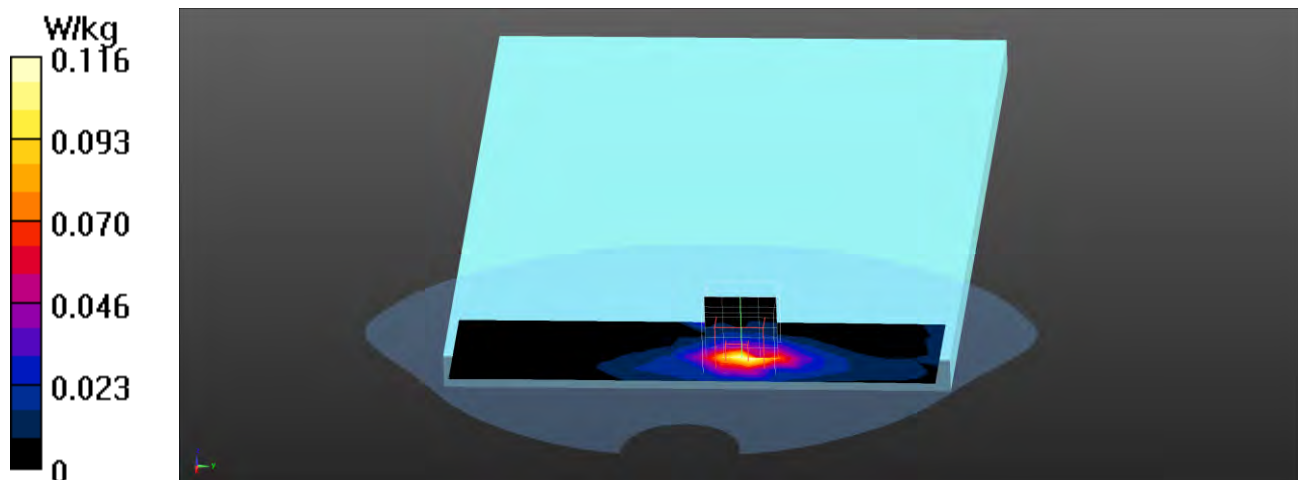
Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.116 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.579 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Left-side(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

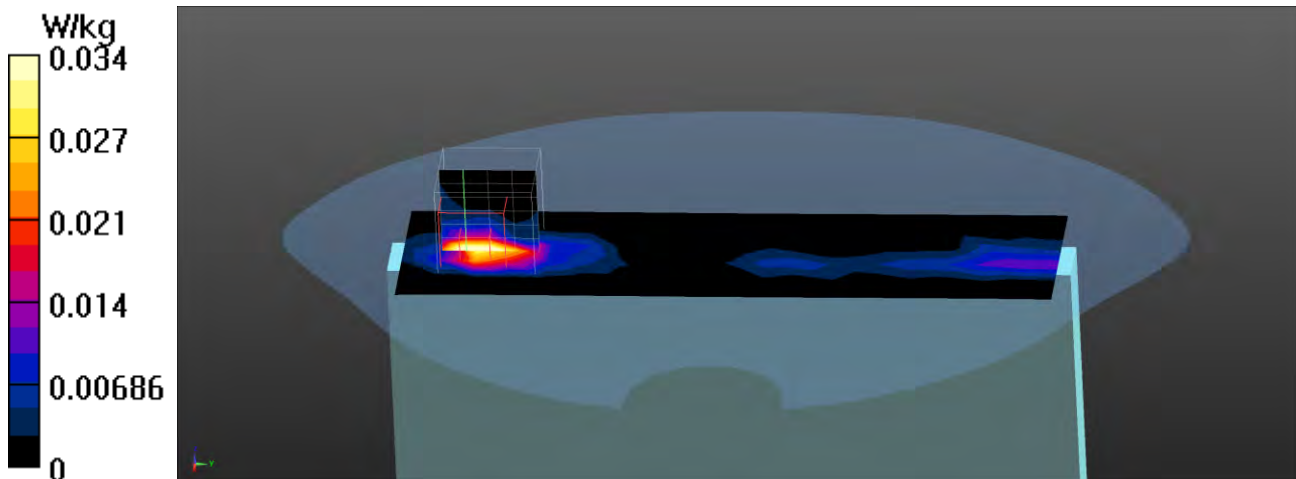
Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0343 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.088 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0690 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00776 W/kg

Maximum value of SAR (measured) = 0.0430 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Bottom(NB) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

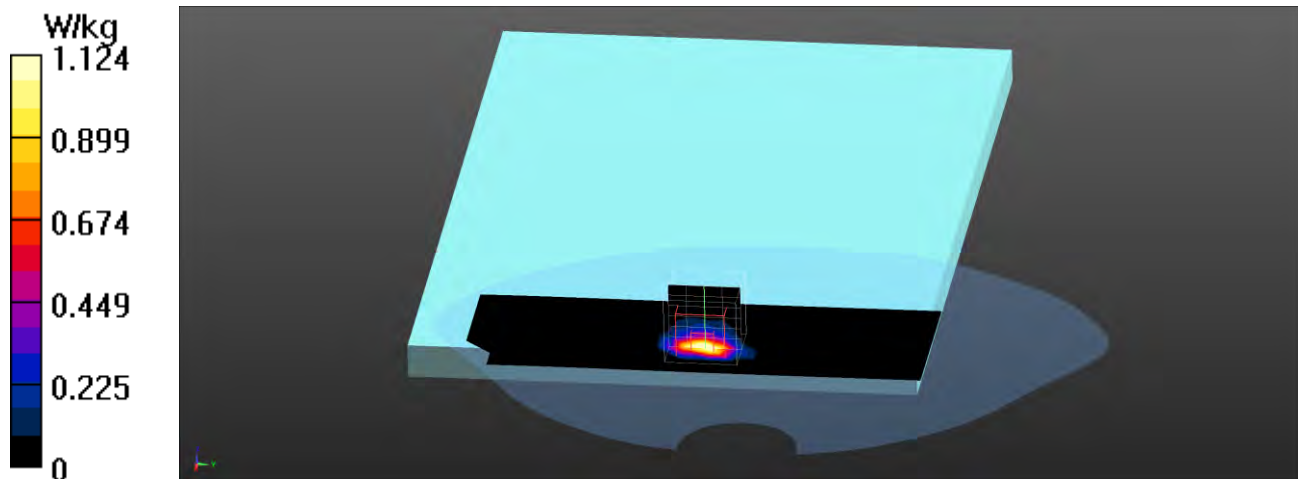
Configuration/Body/Area Scan (7x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.12 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.003 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Back(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00557 W/kg

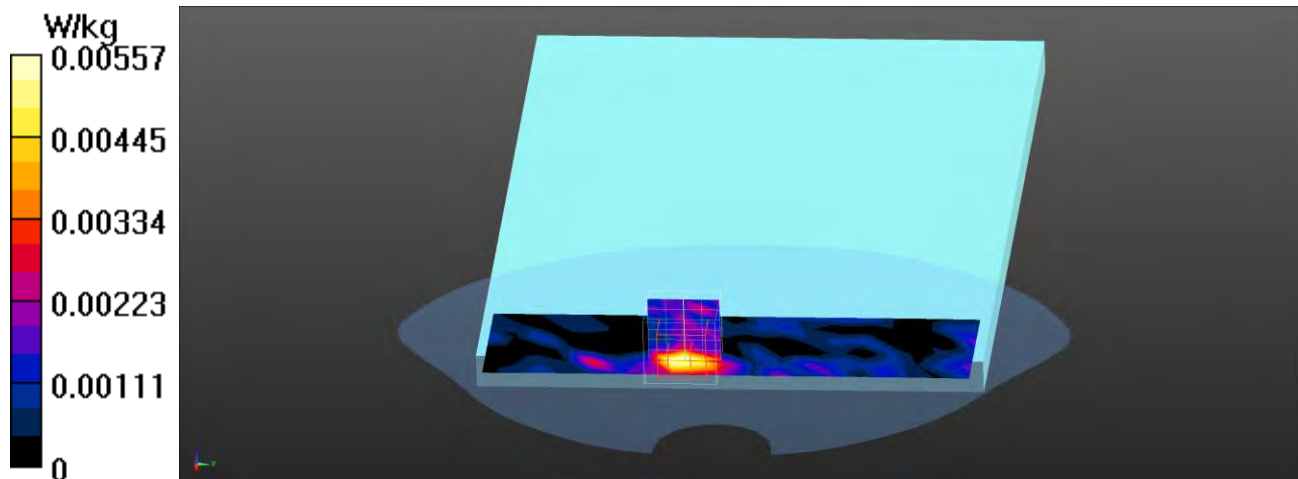
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.2900 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.00824 W/kg

SAR(1 g) = 0.00394 W/kg; SAR(10 g) = 0.00135 W/kg

Maximum value of SAR (measured) = 0.00627 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Right-side(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

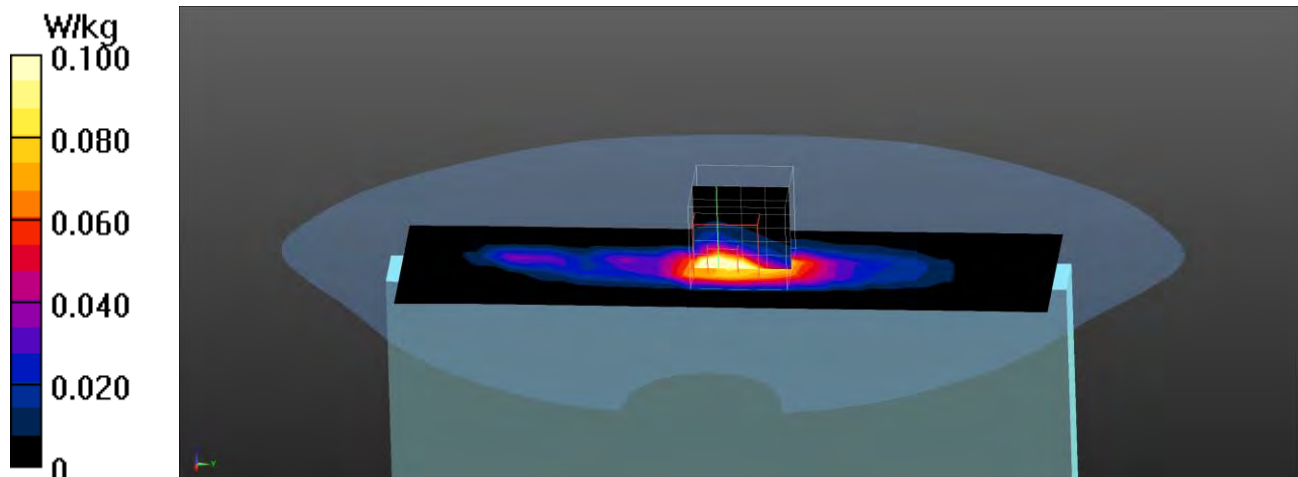
Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0997 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.38 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.194 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

BT_78-Bottom(NB) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, BT 1M&3M&BLE; Frequency: 2480 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.84$ S/m; $\epsilon_r = 40.23$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.253 W/kg

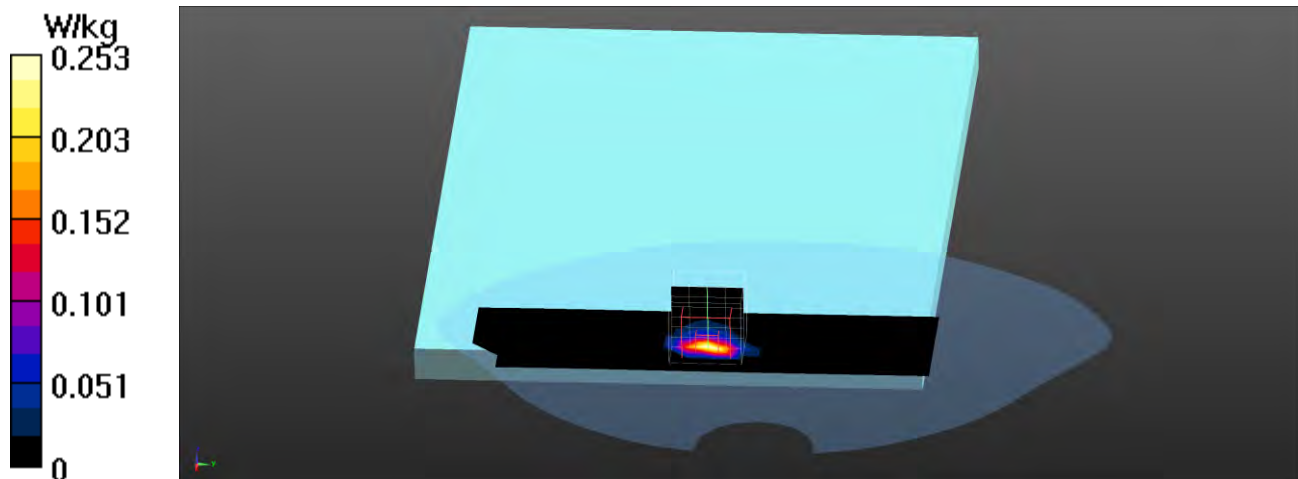
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.8290 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.352 W/kg

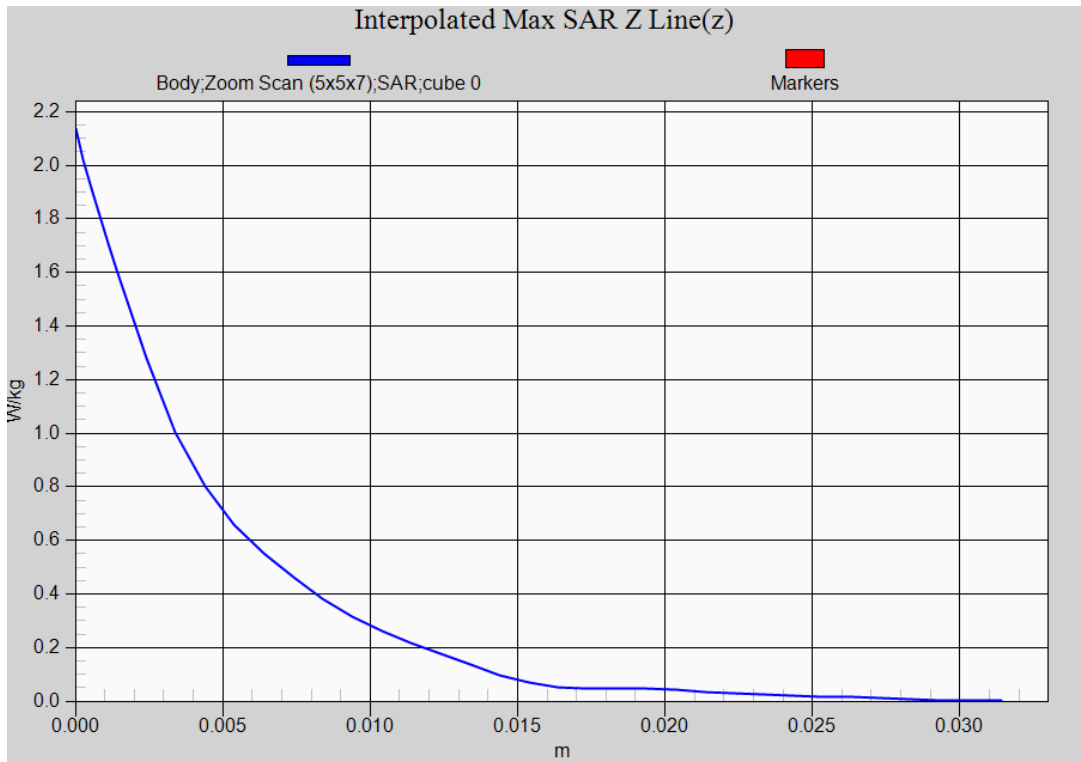
SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



802.11b EUT Bottom (NB) (Hong-Bo Aux Antenna) Z-Axis plot

Channel: 1



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

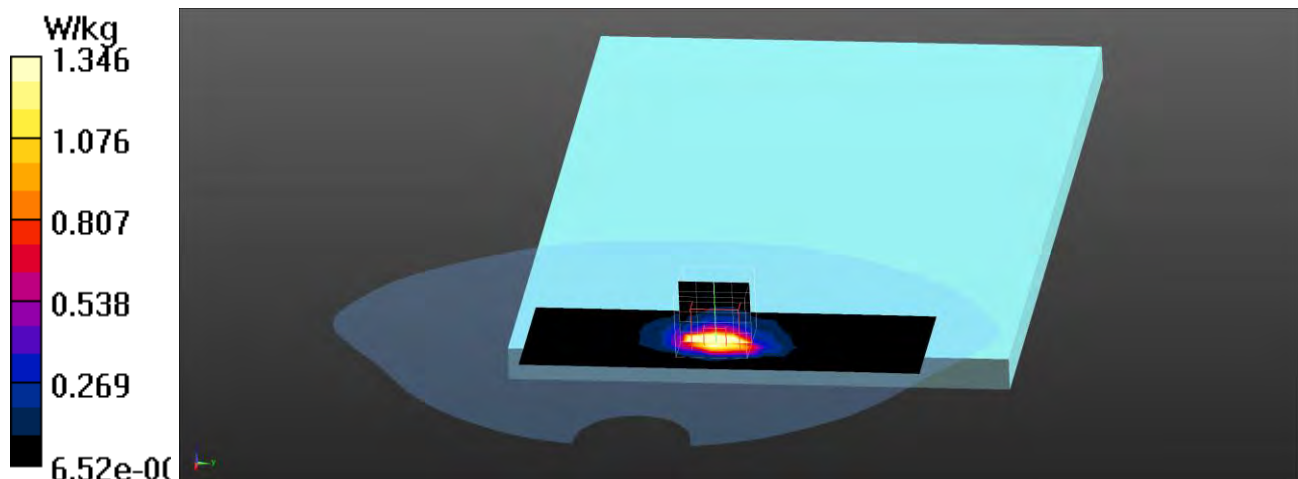
Configuration/Body/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.12 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.17 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 2.52 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b_6-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 40.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.968 W/kg

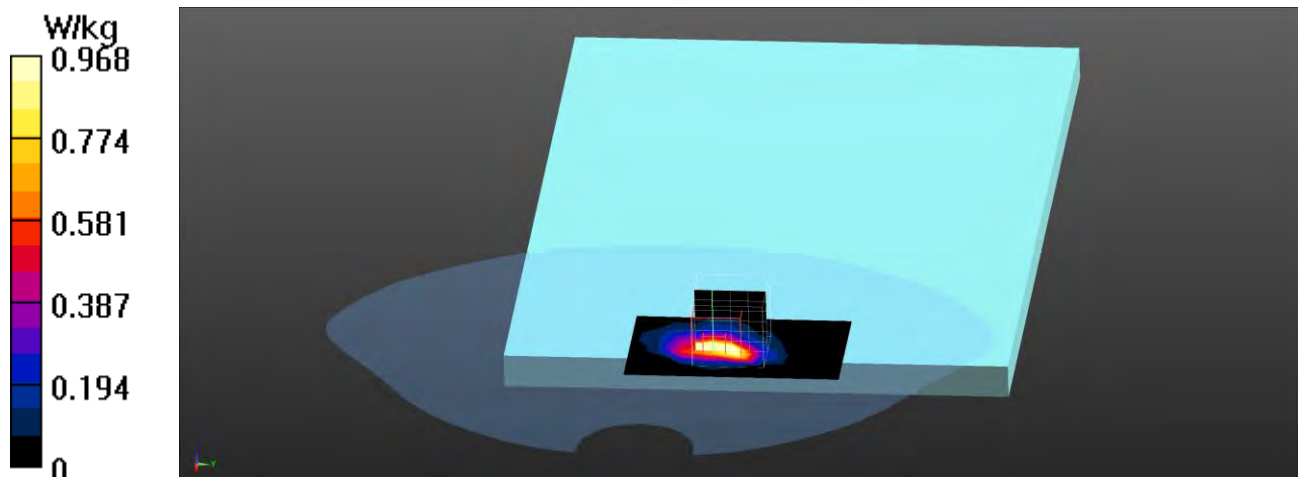
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.715 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 2.05 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 11-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 40.38$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

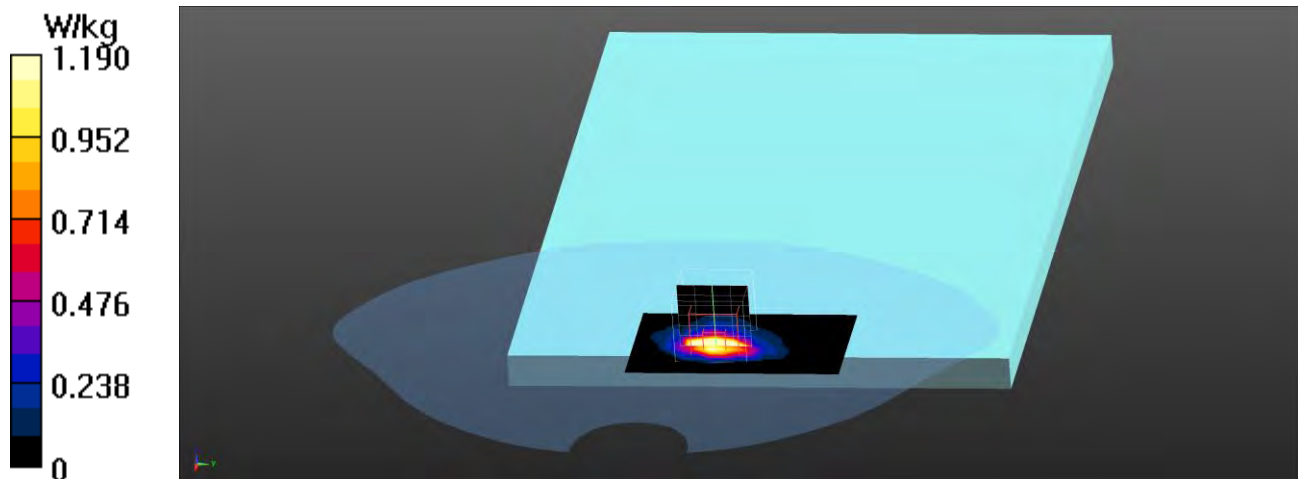
Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.19 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.403 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 2.24 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Back(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

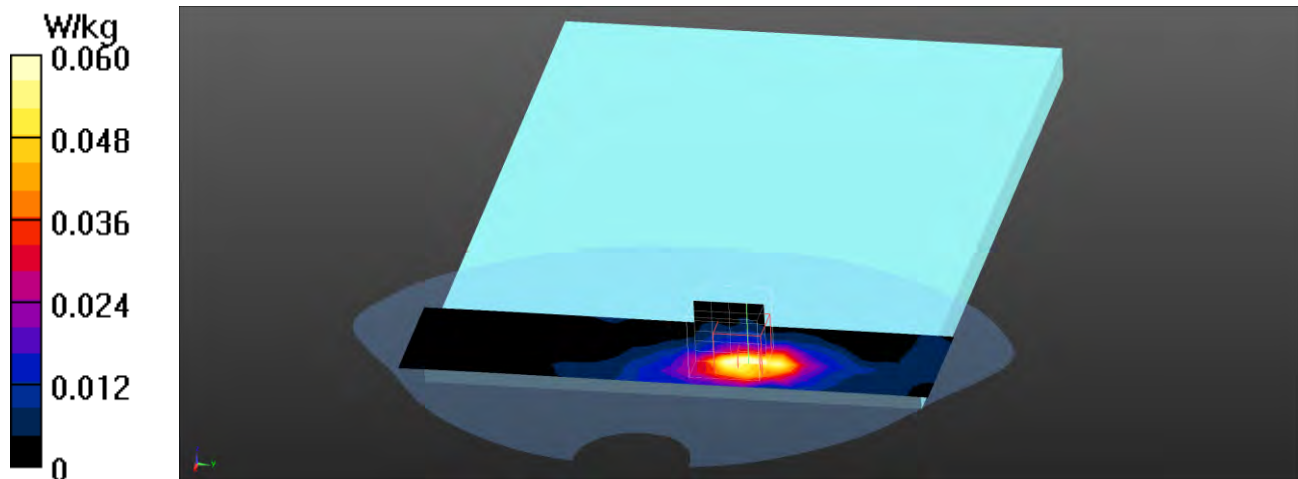
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0597 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.827 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.0847 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Left-side(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

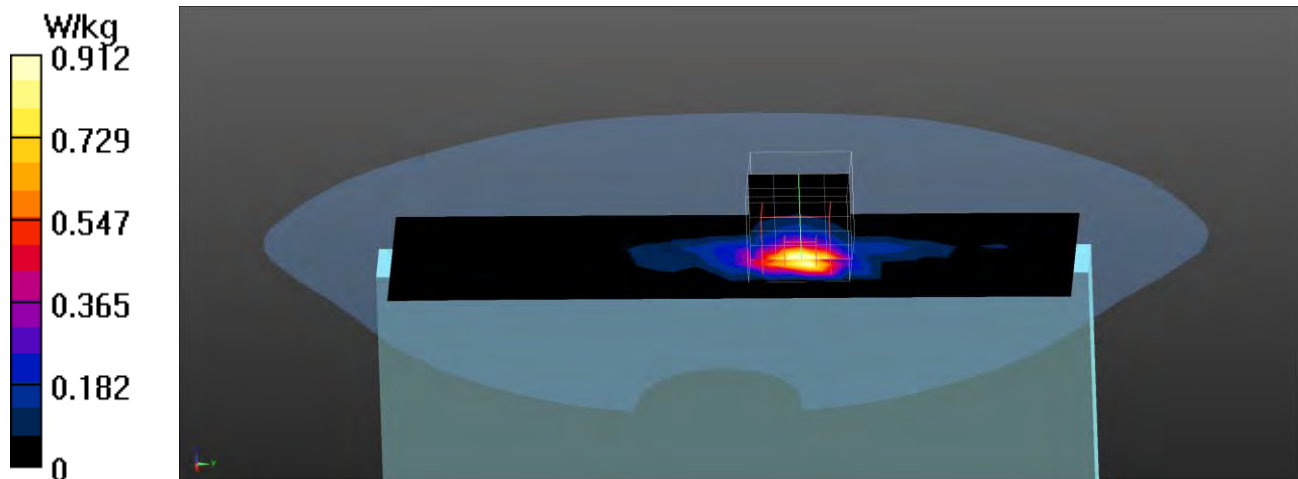
Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.912 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.06 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b_1-Bottom(NB) Aux-WNC**DUT: Notebook; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

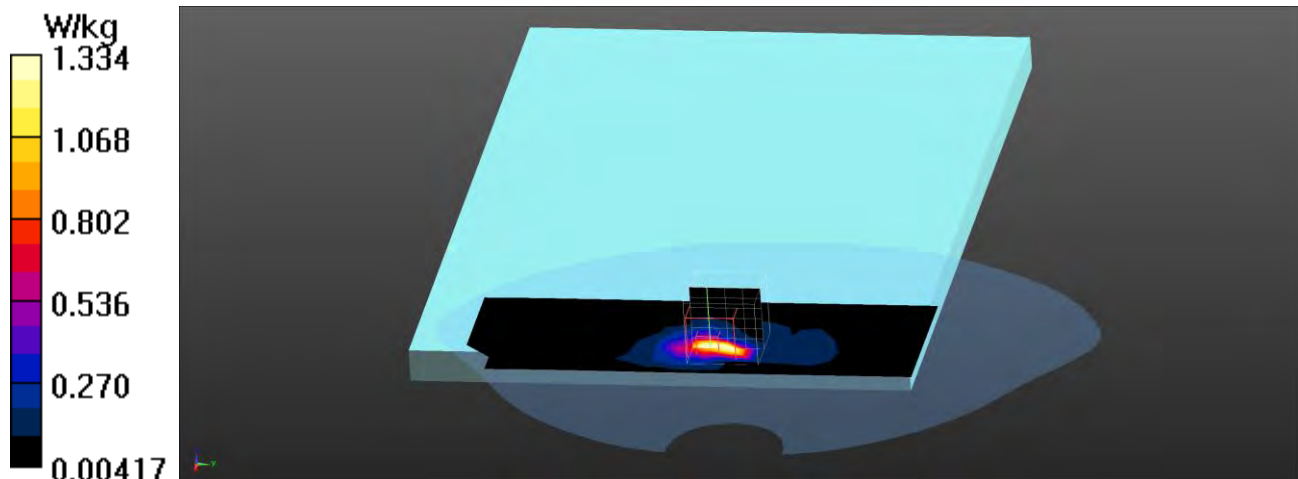
Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.33 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.883 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 1.88 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b_6-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 40.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.928 W/kg

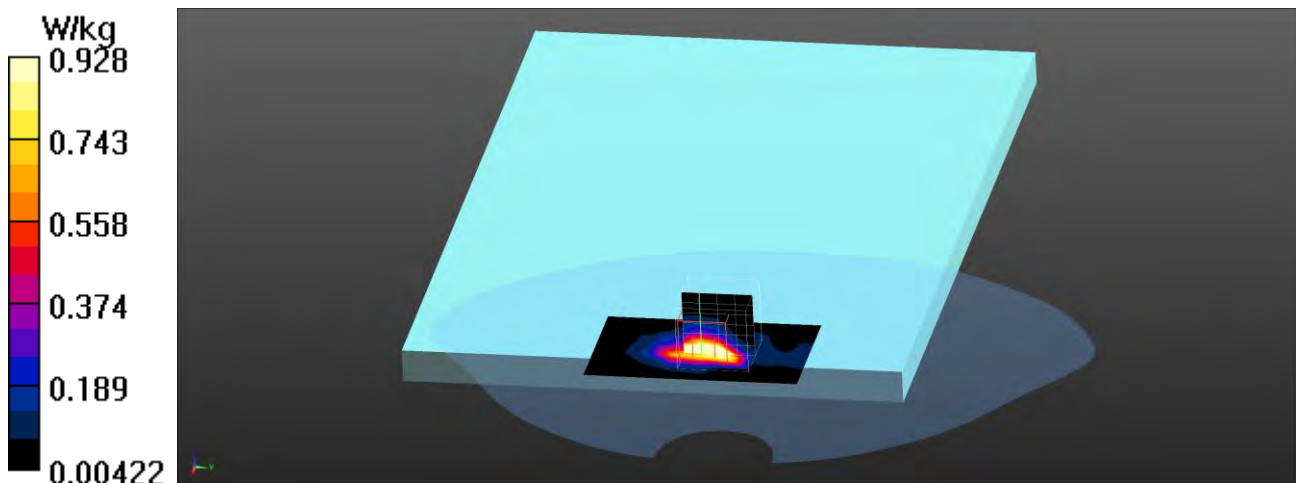
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.451 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.321 W/kg

Maximum value of SAR (measured) = 2.28 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 11-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 40.38$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.12 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

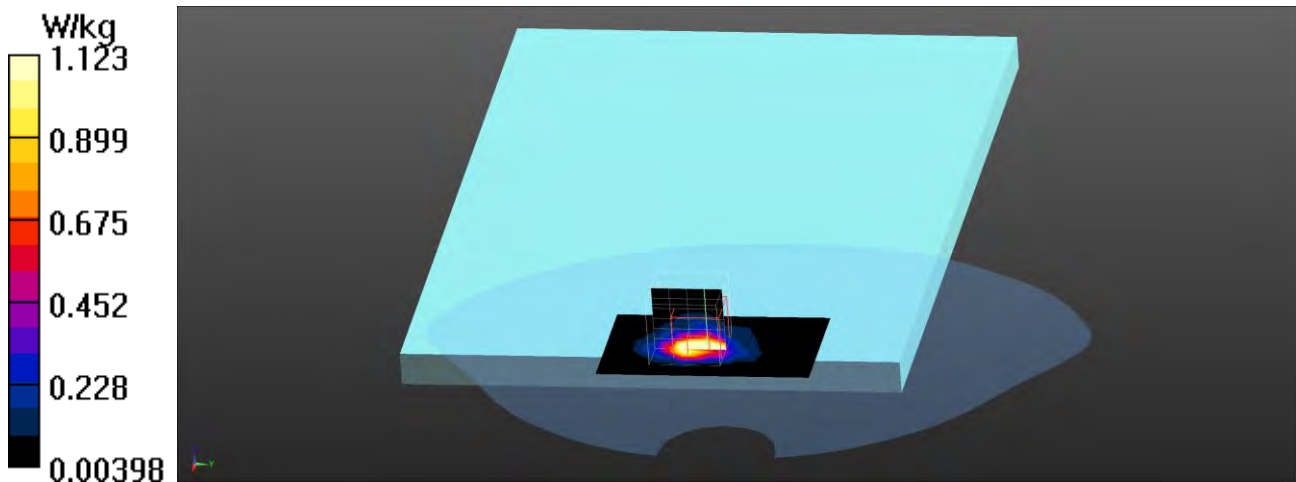
dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.838 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 2.17 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Back(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

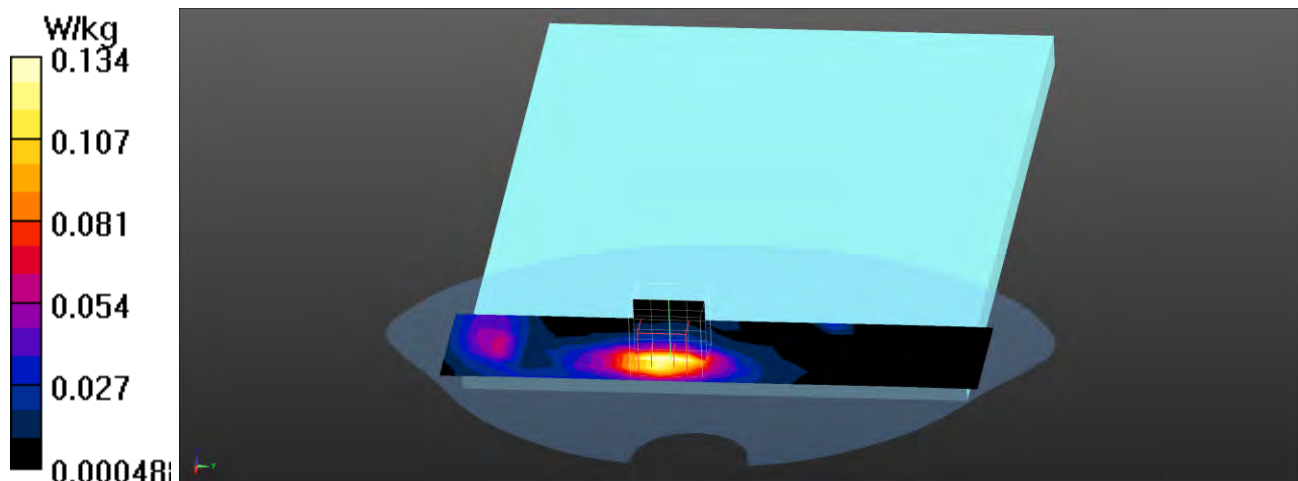
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.134 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.061 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b 1-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

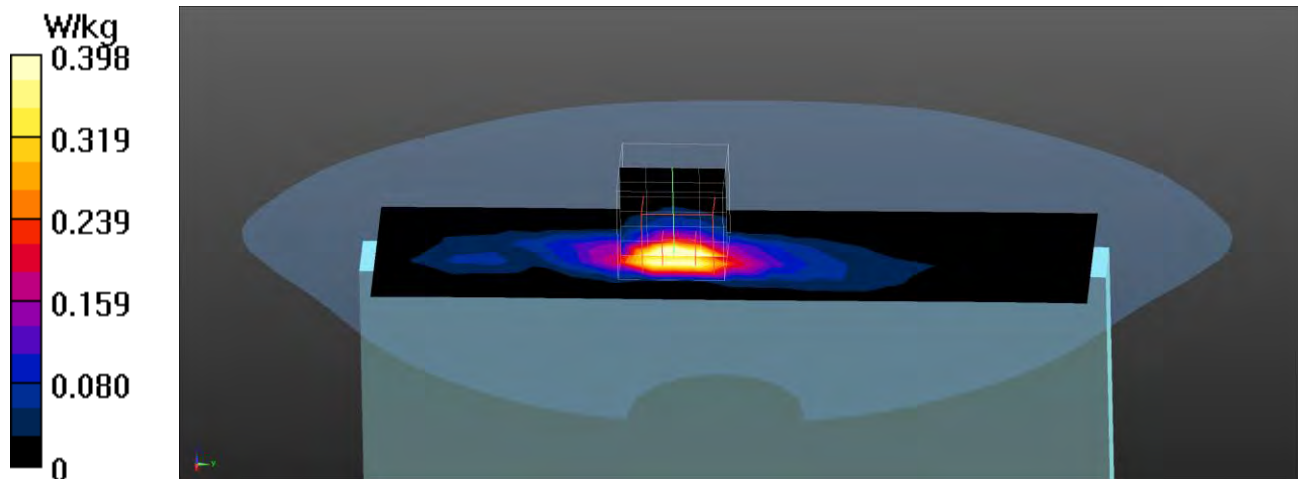
Configuration/Body/Area Scan (6x19x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.398 W/kg**Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.32 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.590 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/13

BT_78-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, BT 1M&3M&BLE; Frequency: 2480 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.84$ S/m; $\epsilon_r = 40.23$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.577 W/kg

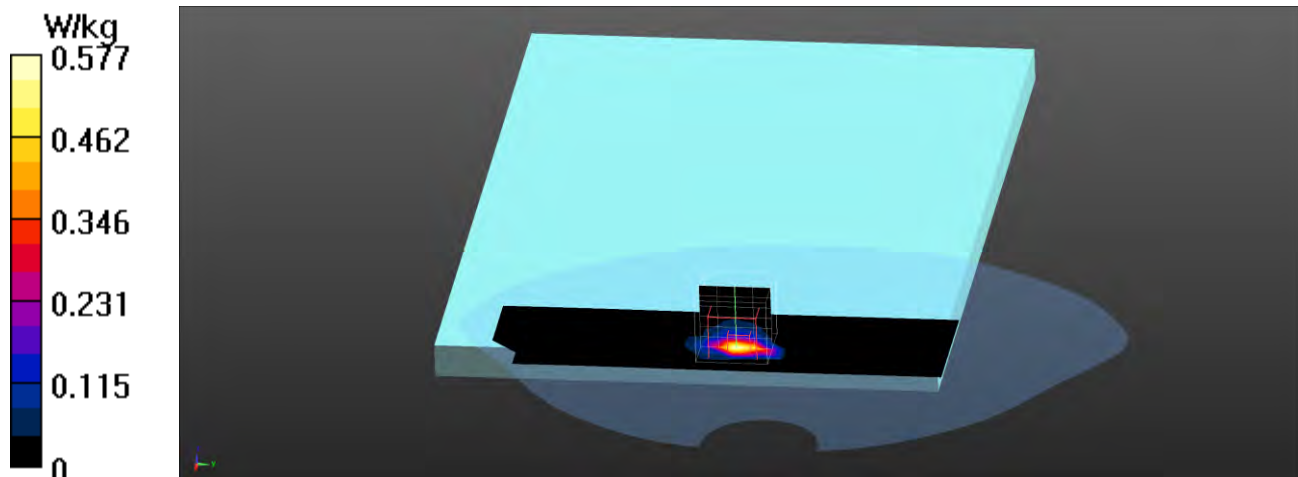
Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

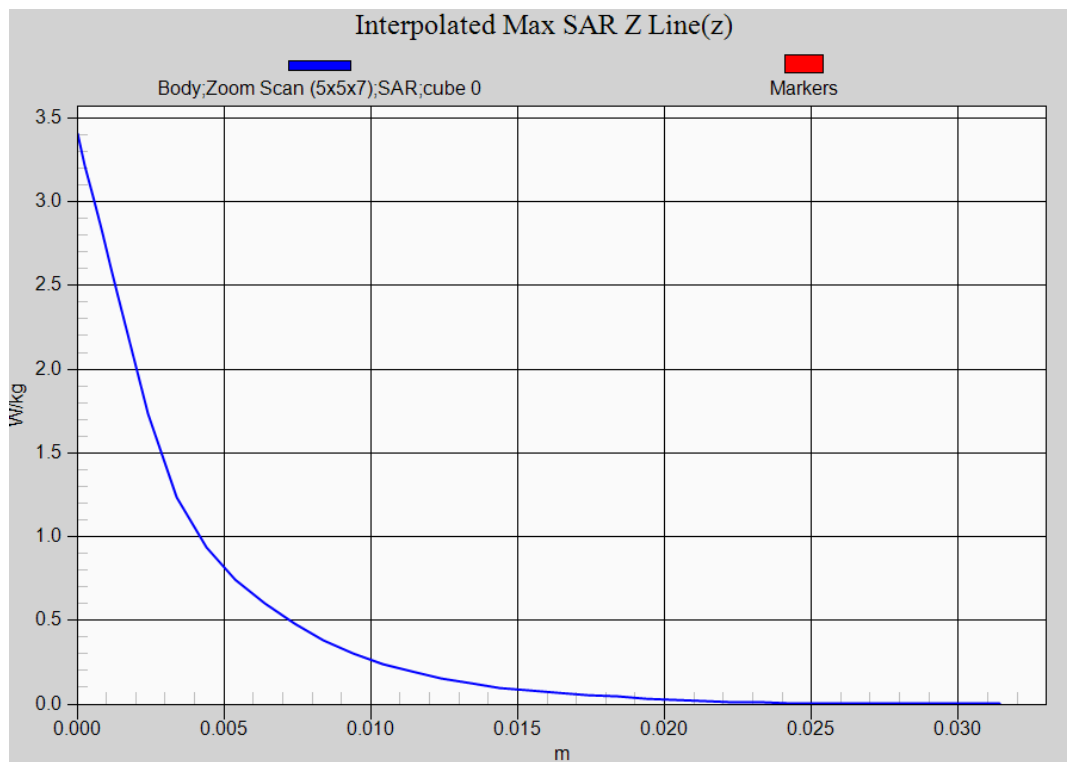
Reference Value = 3.038 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.754 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



802.11b EUT Bottom (NB) (WNC Main Antenna) Z-Axis plot**Channel: 1**

Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Bottom(NB) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

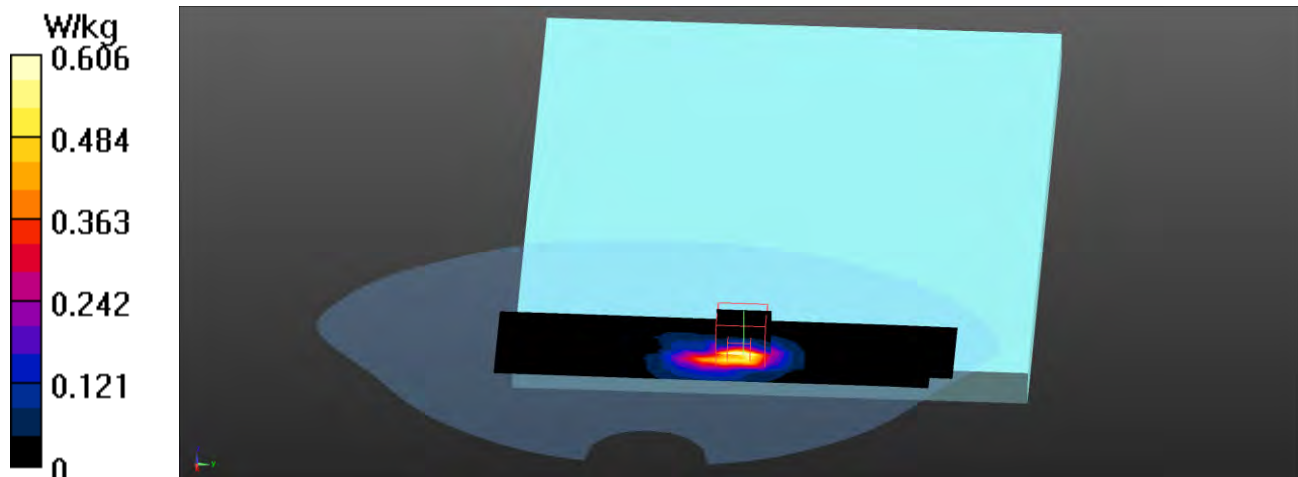
Configuration/Body/Area Scan (7x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.606 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.458 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.808 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Bottom(NB) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.381 W/kg

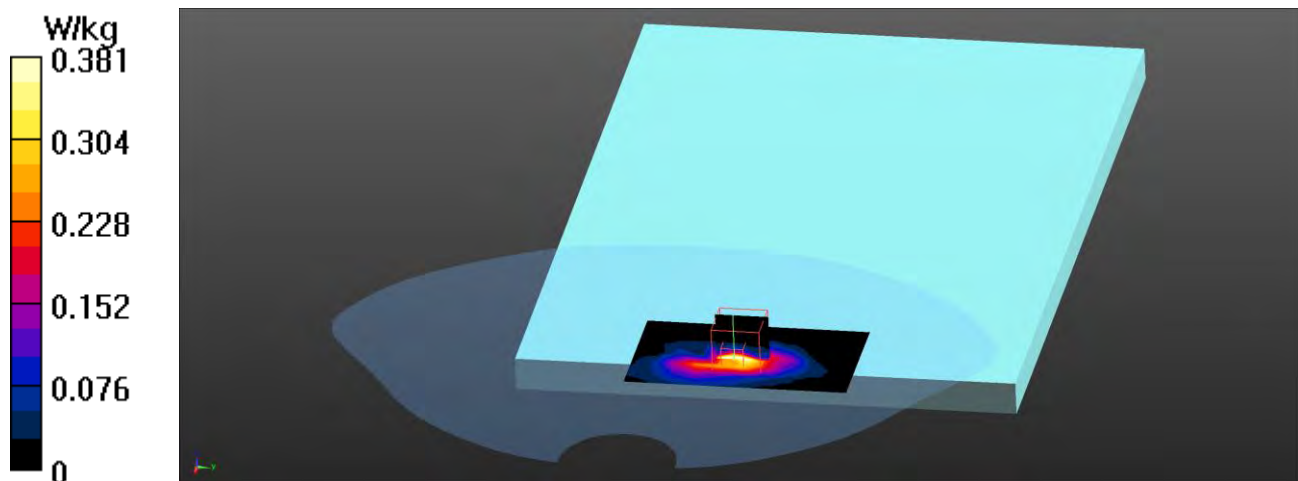
Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.492 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.690 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Bottom(NB) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

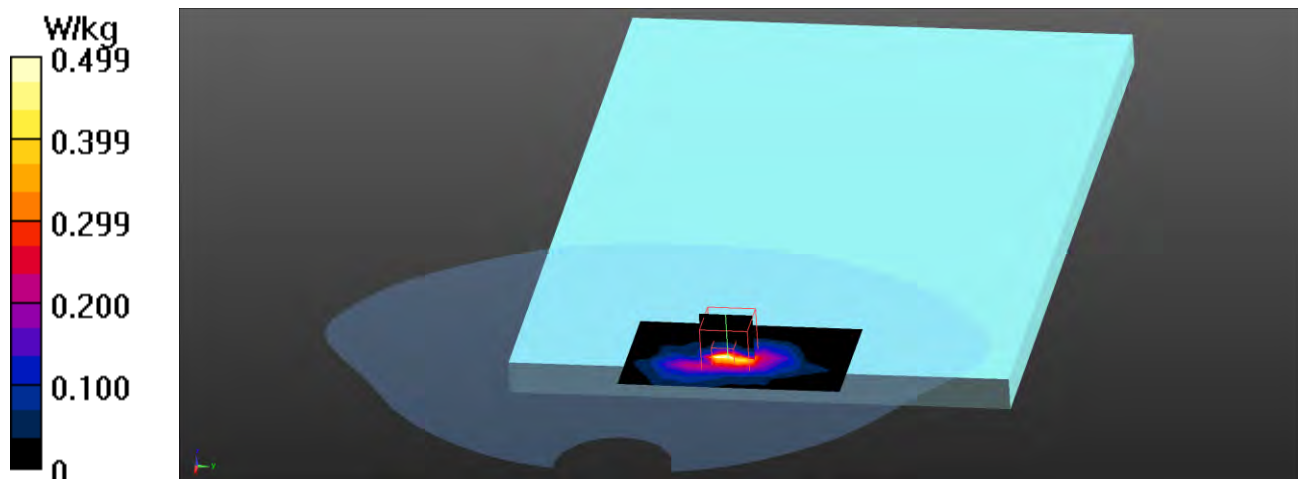
Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.499 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.691 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.782 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Back(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

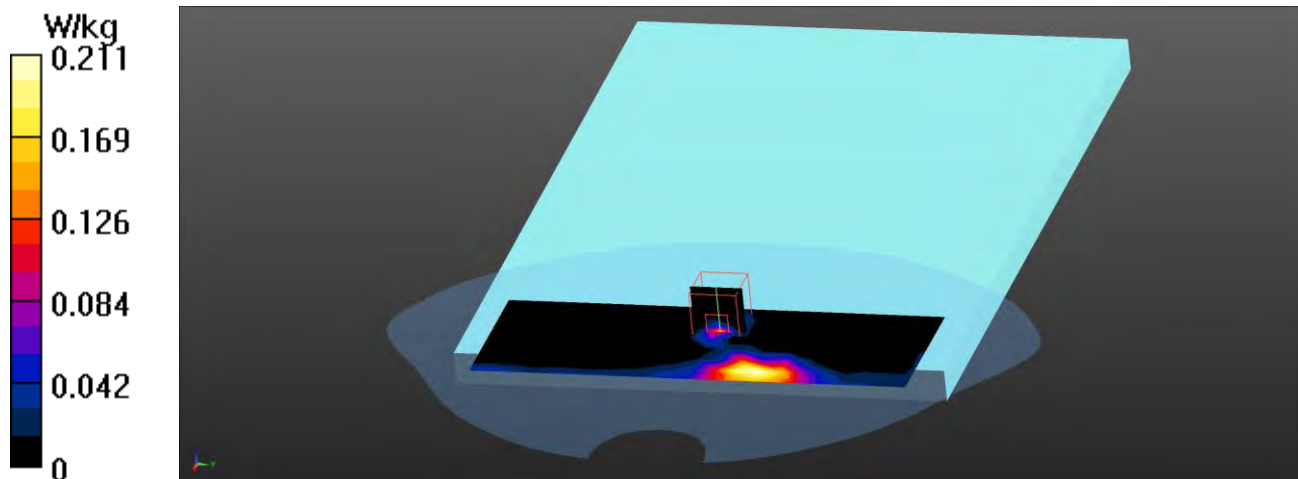
Configuration/Body/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.211 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.908 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Back(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

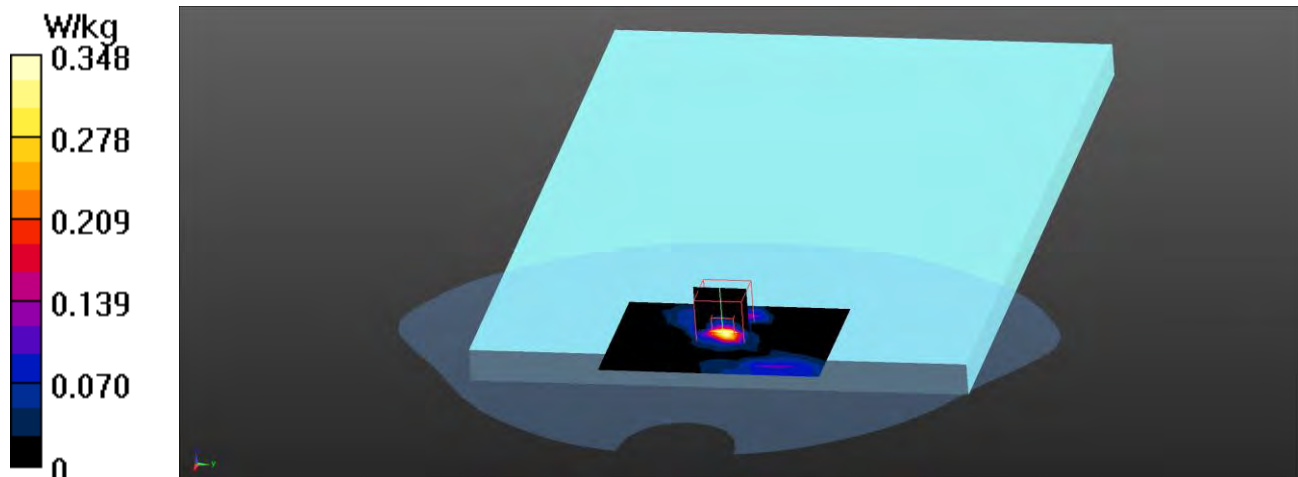
Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.348 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.595 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.733 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Back(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

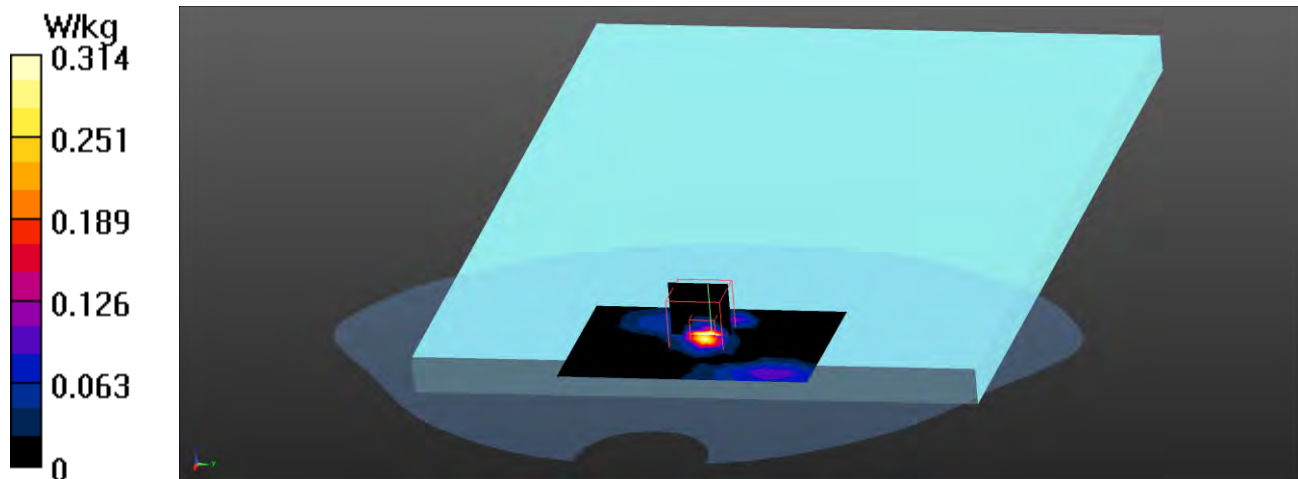
Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.314 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.290 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.442 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Left-side(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

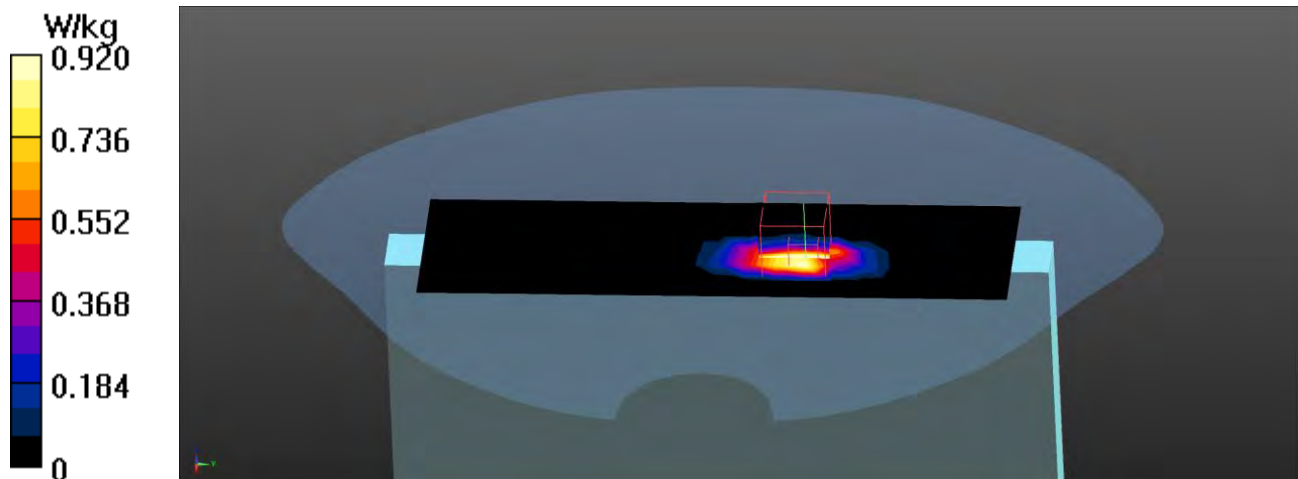
Configuration/Body/Area Scan (7x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.920 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.980 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.162 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Left-side(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.484 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

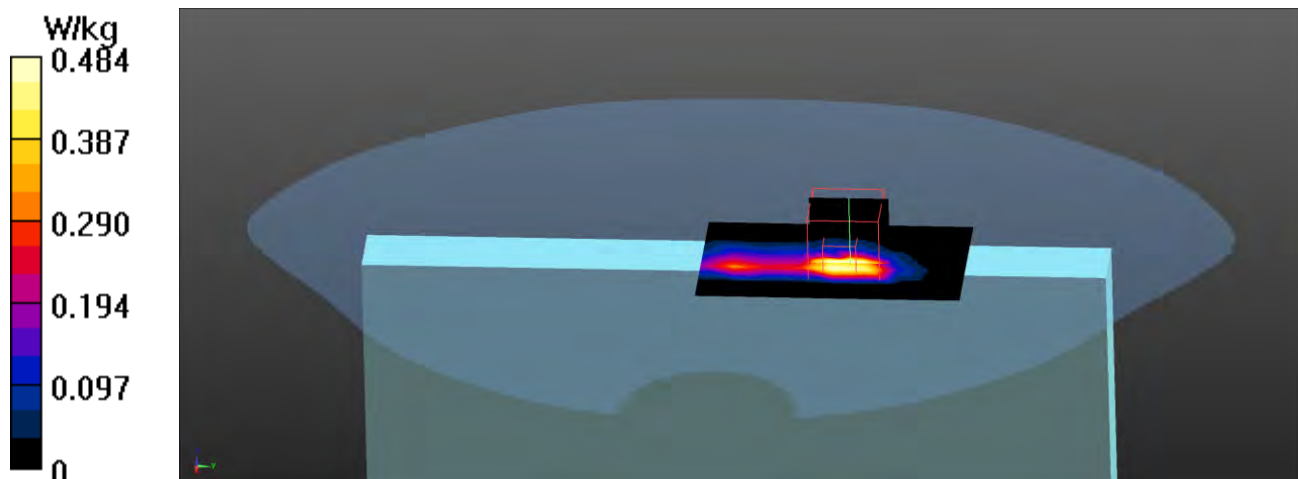
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.553 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.625 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Left-side(PAD) Main-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.446 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

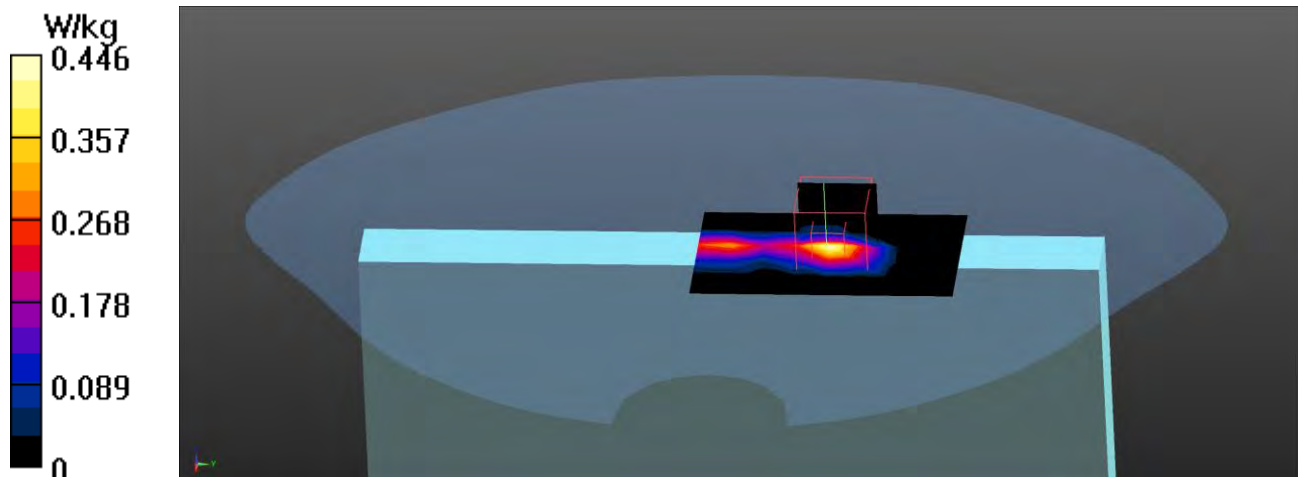
dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.385 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.454 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Bottom(NB) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

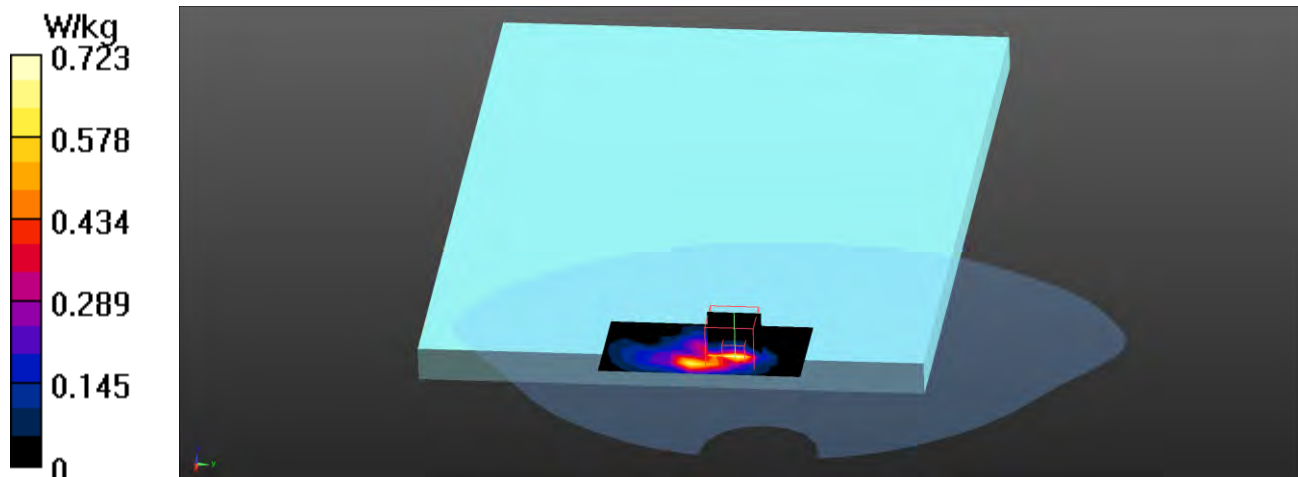
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.723 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3870 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.784 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Bottom(NB) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

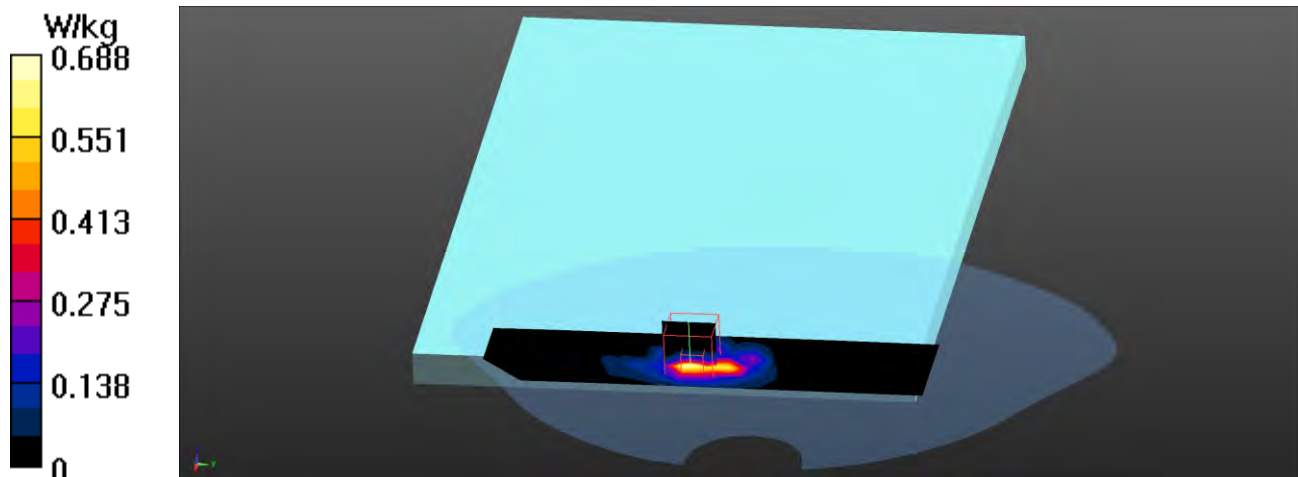
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.688 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.385 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.827 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Bottom(NB) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

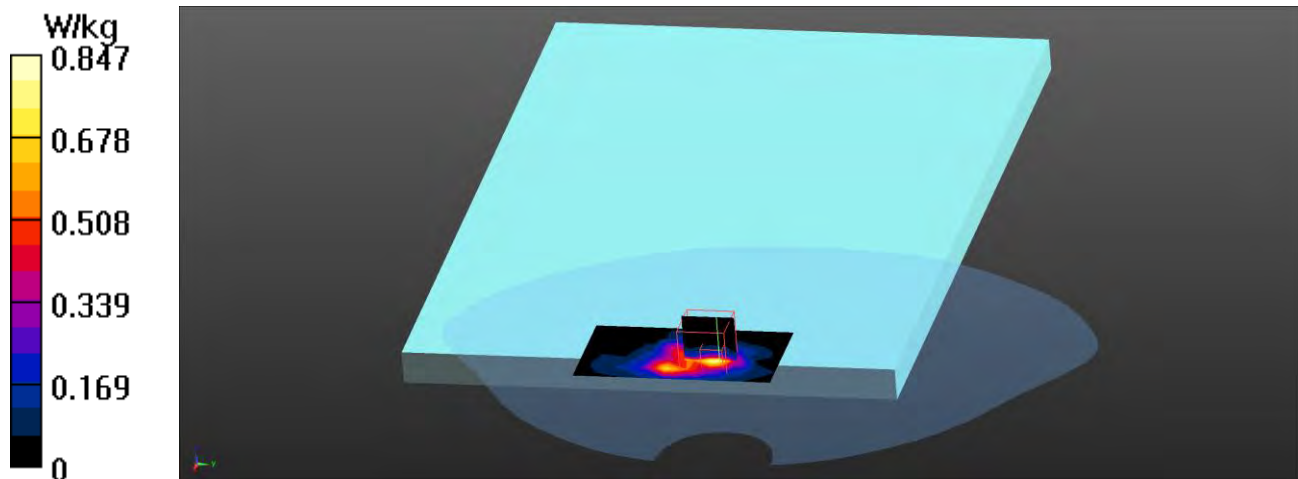
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.847 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.966 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.902 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Back(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.172 W/kg

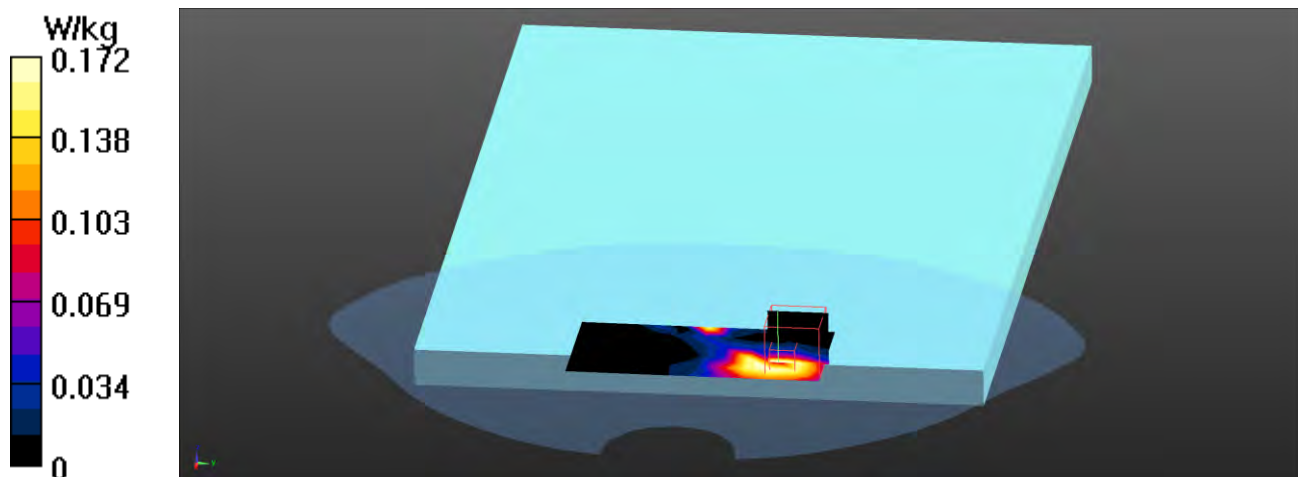
Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.173 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Back(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.436 W/kg

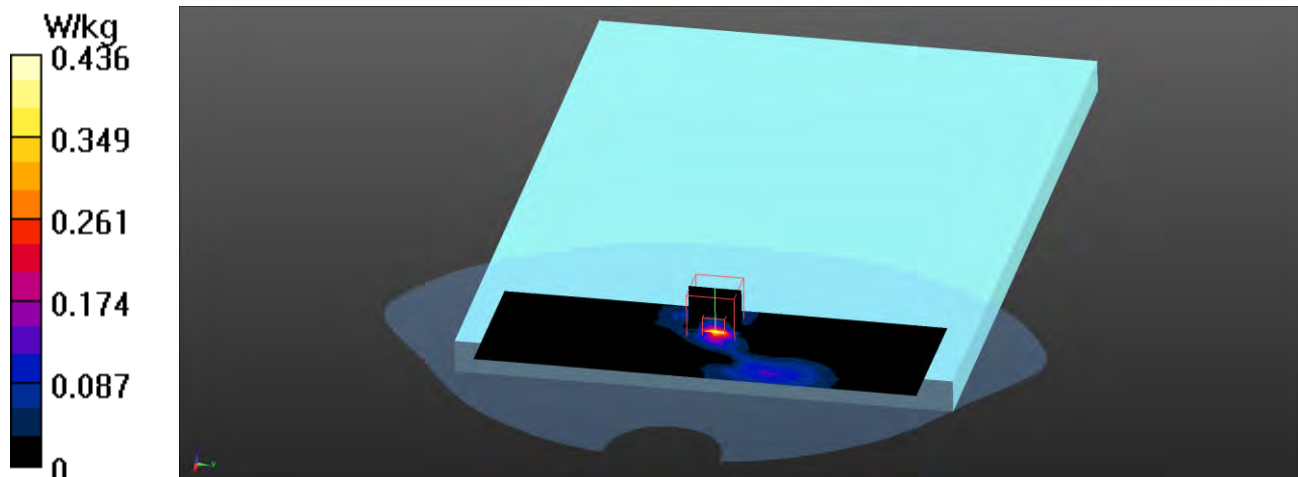
Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.954 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.801 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.462 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Back(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

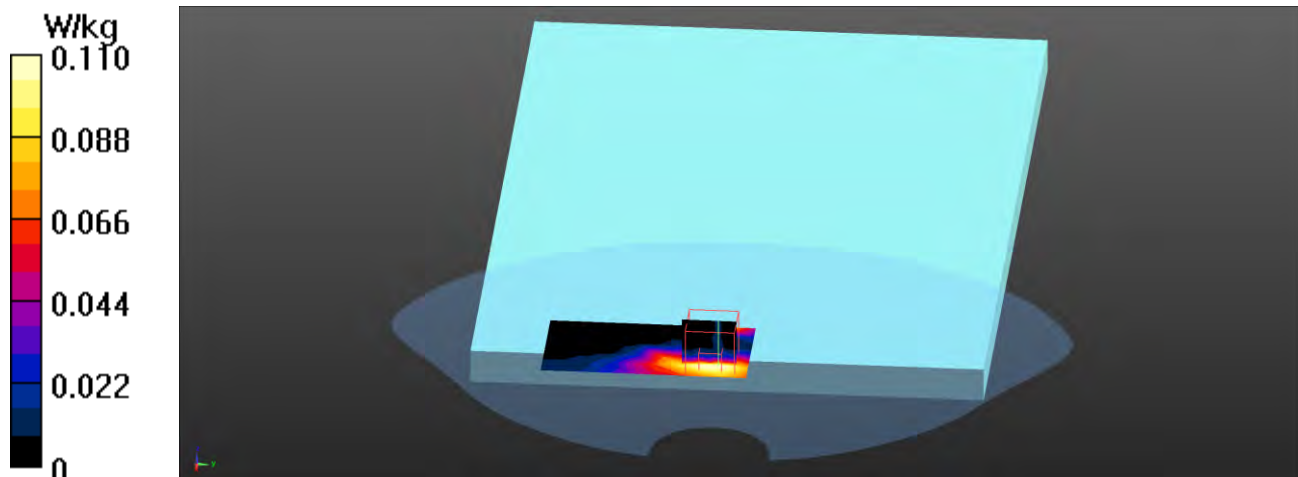
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.110 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.653 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.120 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Right-side(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.942 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

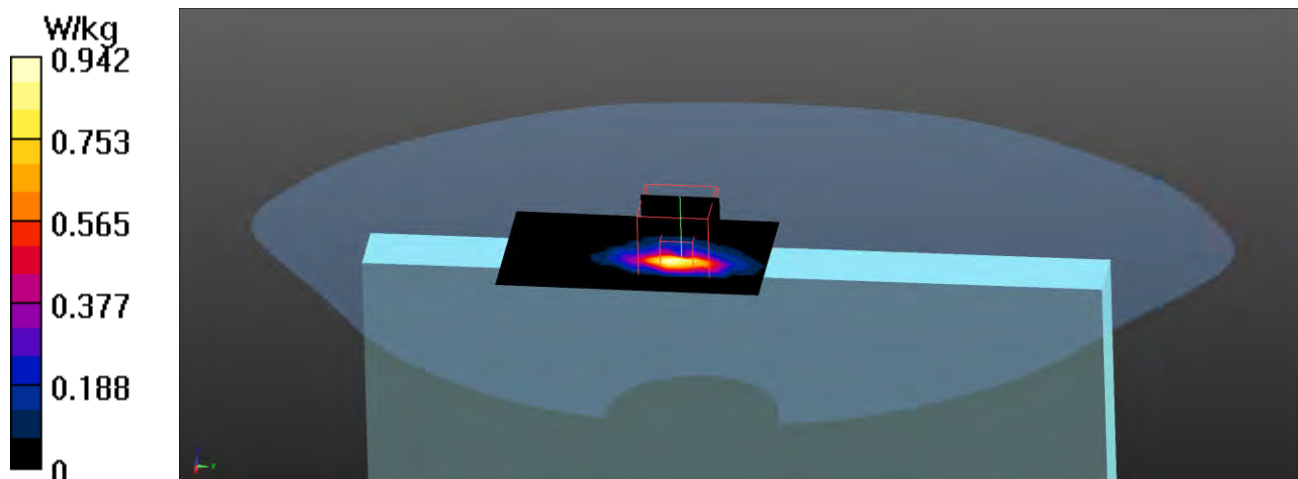
dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.837 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.102 W/kg

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



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Right-side(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

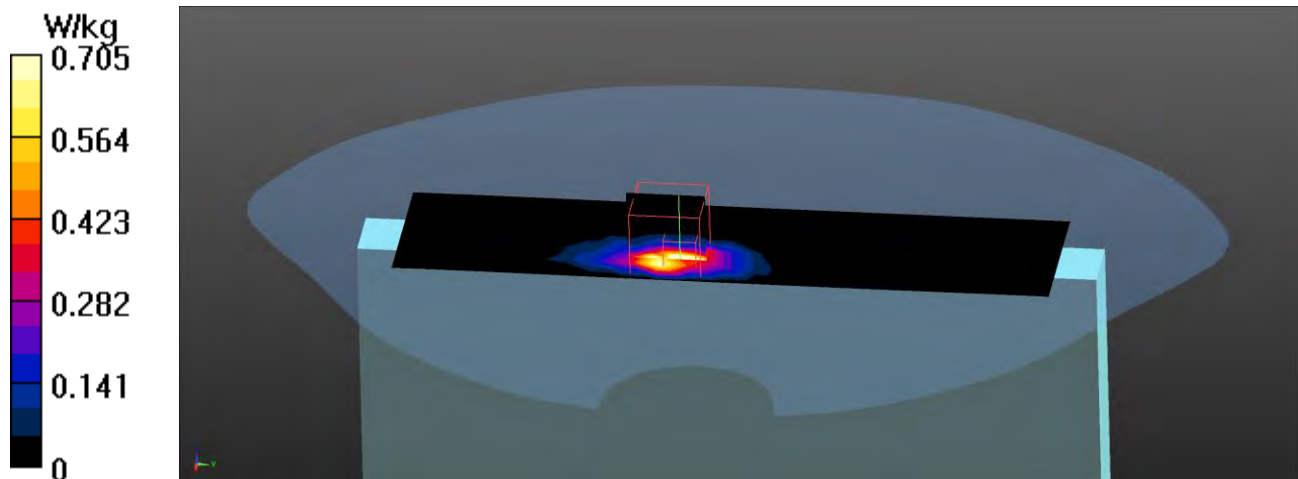
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.705 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.918 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 1.11 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Right-side(PAD) Aux-HB**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.52 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

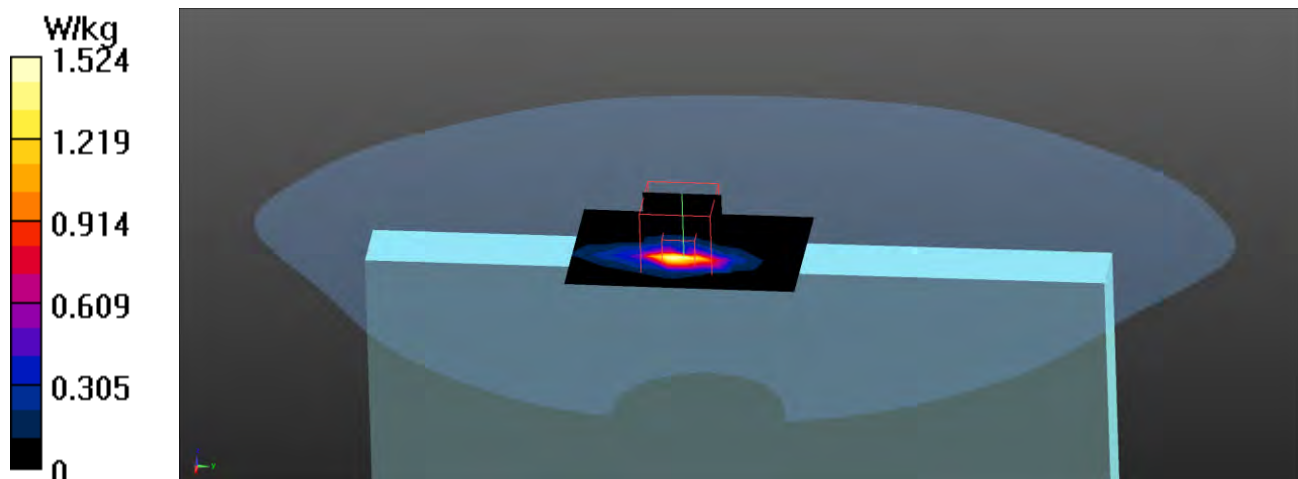
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.768 V/m; Power Drift = -0.05 dB

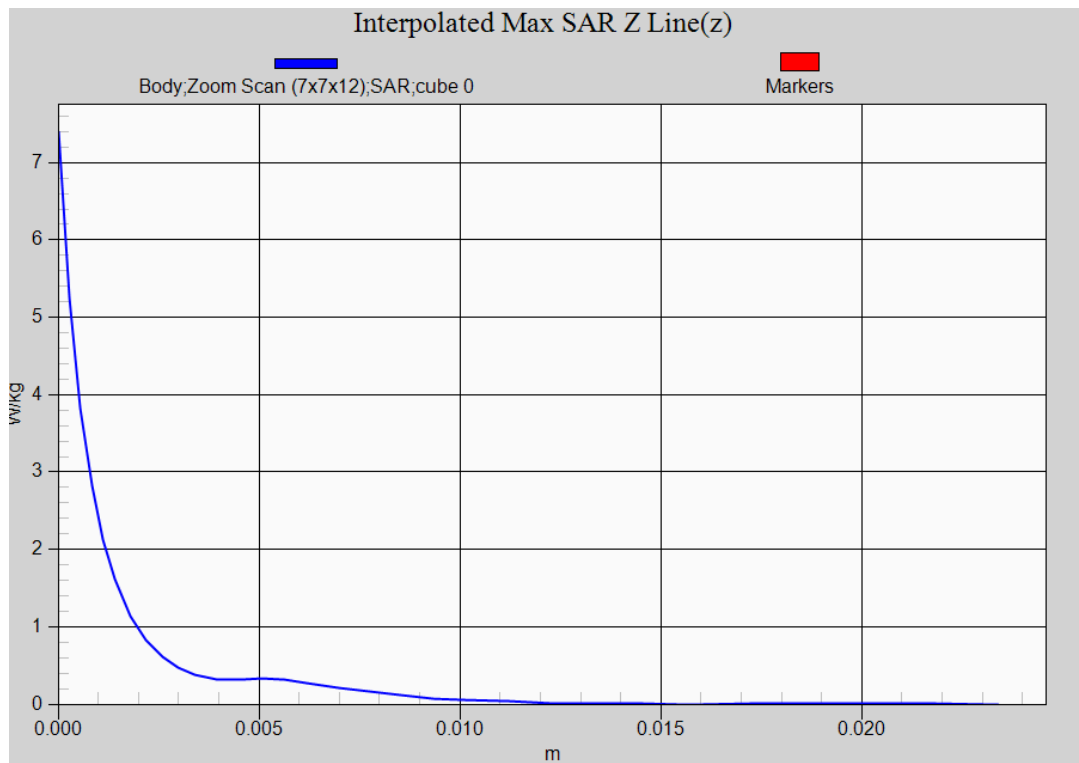
Peak SAR (extrapolated) = 7.39 W/kg

SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 1.62 W/kg



802.11ac (80M) EUT Right-side (PAD) (Hong-Bo Aux Antenna), Z-Axis plot
Channel: 155



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

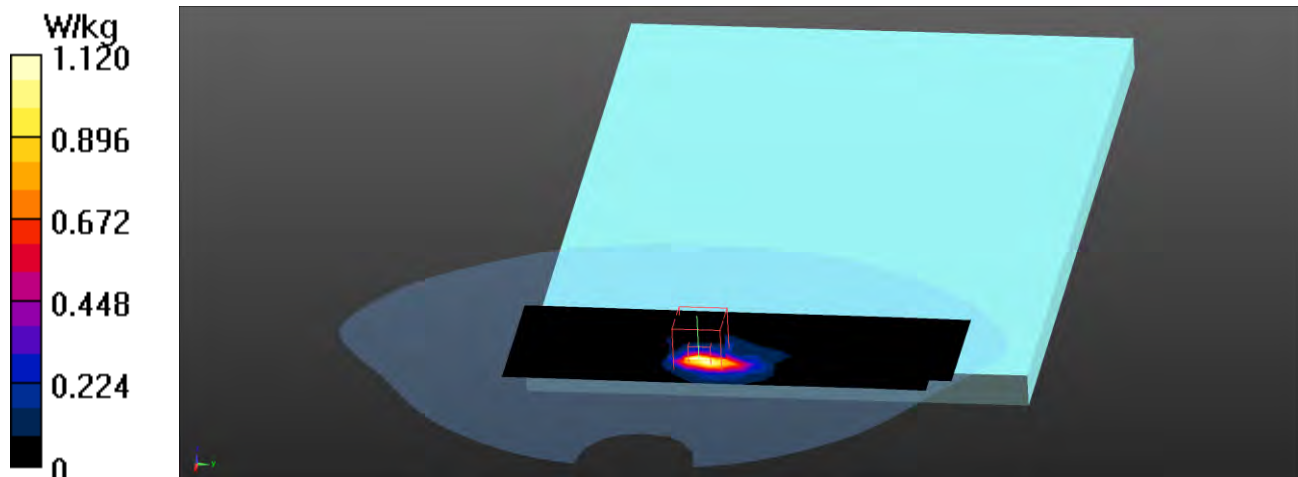
Configuration/Body/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.12 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.610 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 1.64 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_106-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5530$ MHz; $\sigma = 5.03$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

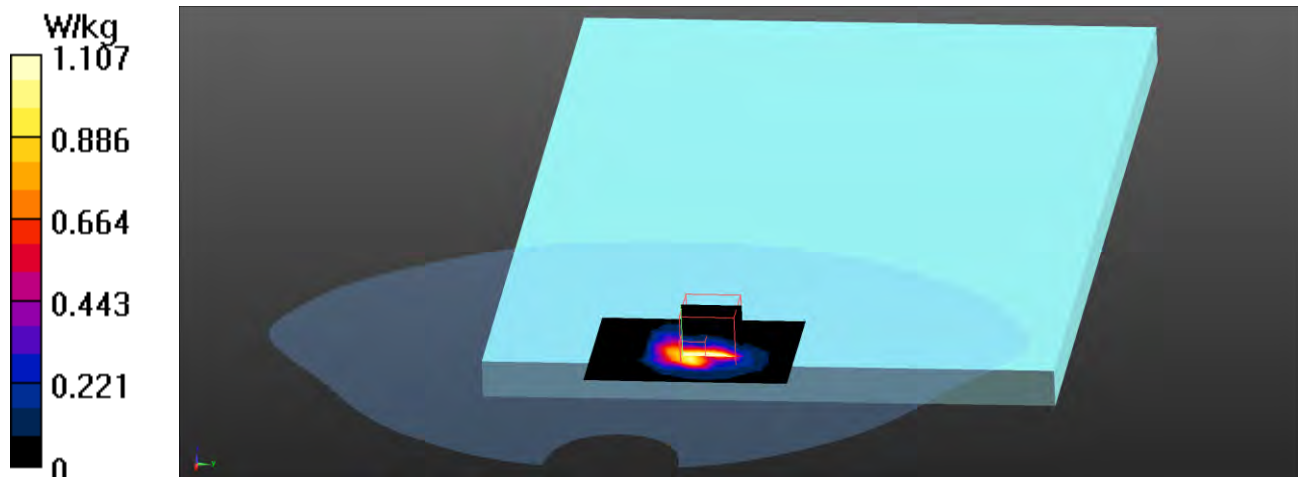
Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.11 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.433 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.159 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.43 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

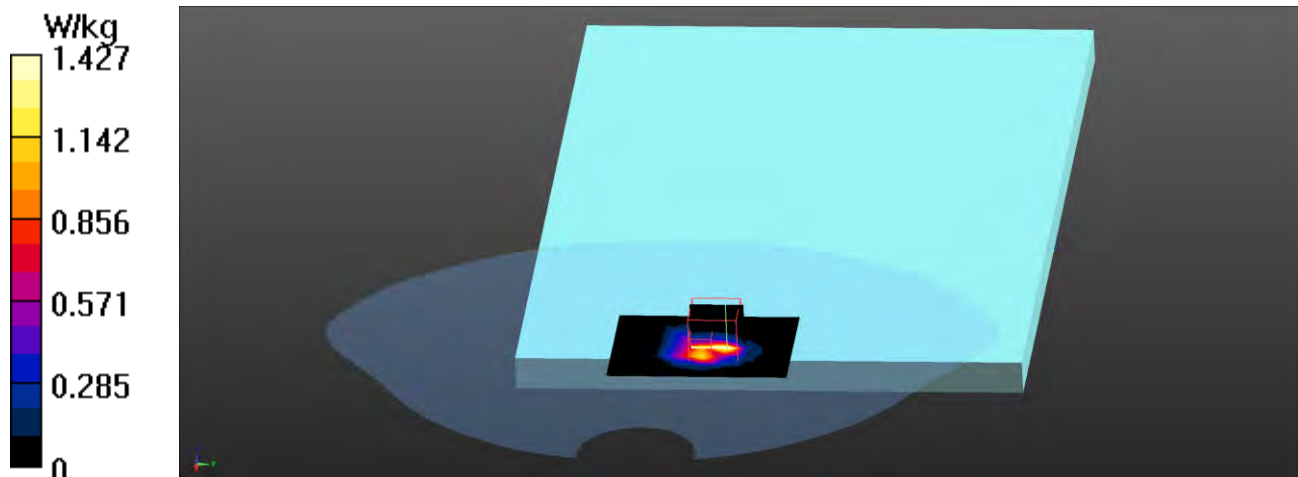
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.241 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 2.05 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

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

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

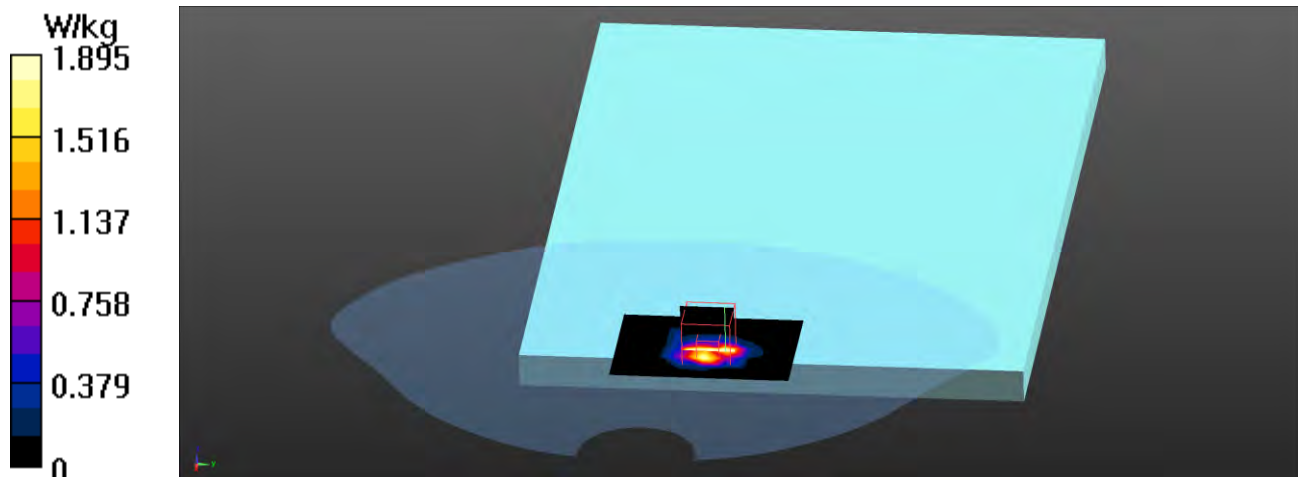
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.596 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 8.58 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 3.15 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Bottom(NB) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

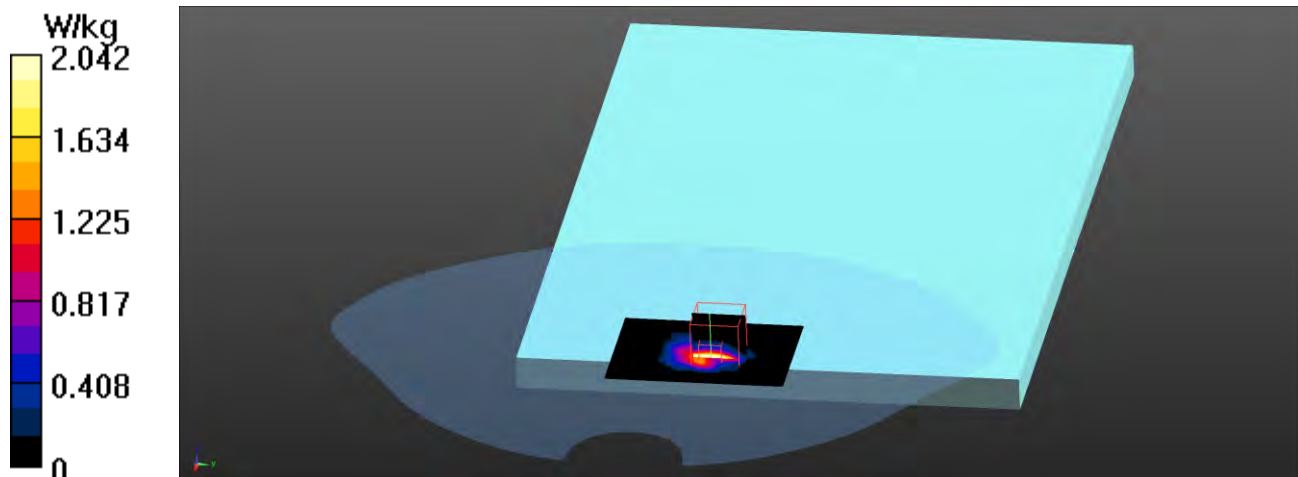
Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.04 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.483 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.90 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 3.07 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Back(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

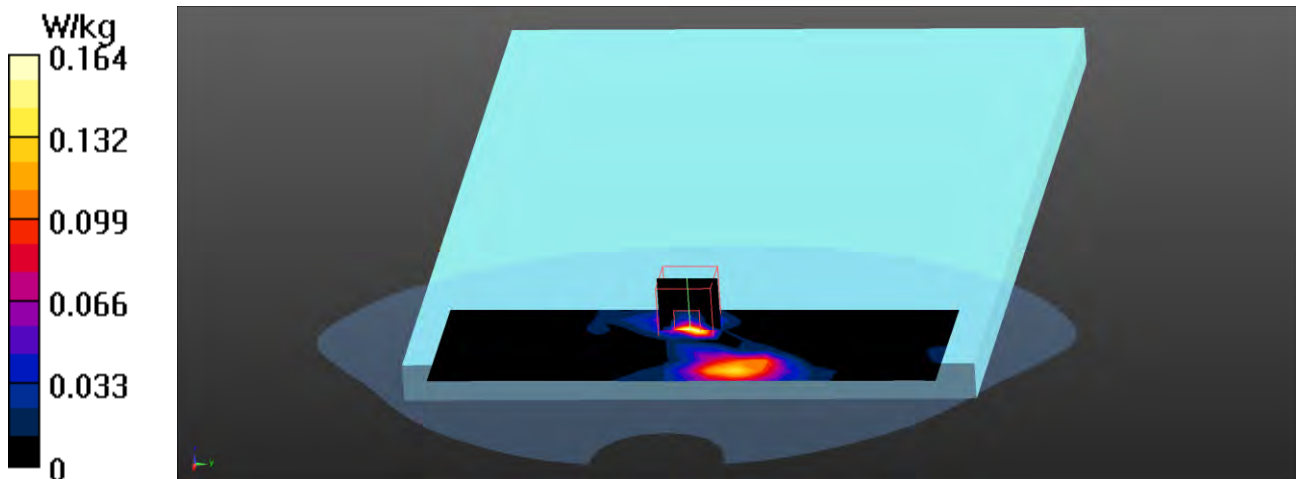
Configuration/Body/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.164 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.822 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Back(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

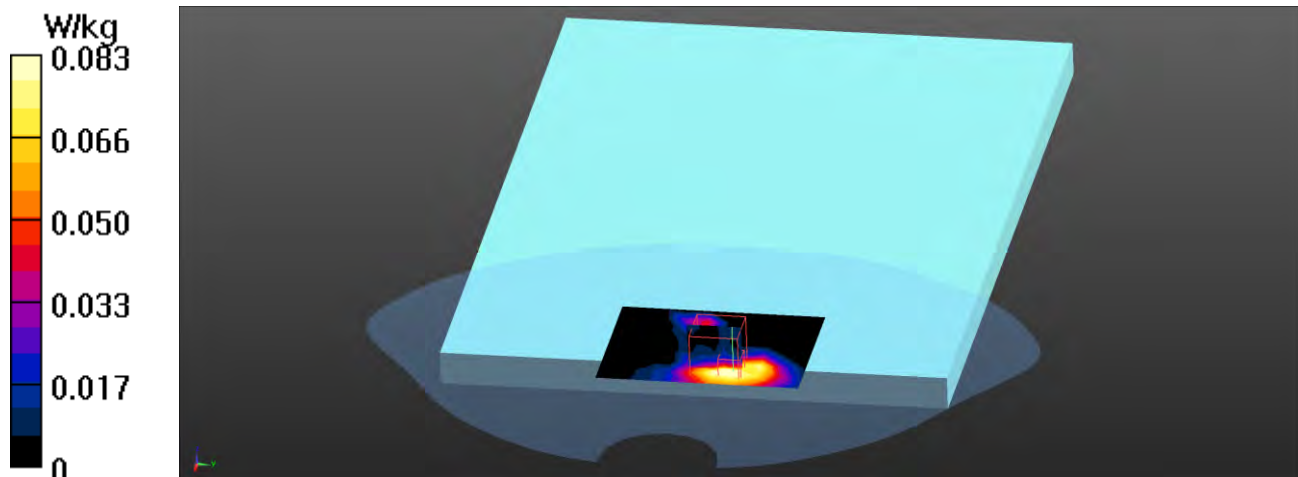
Configuration/Body/Area Scan (8x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0830 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.212 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.105 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Back(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

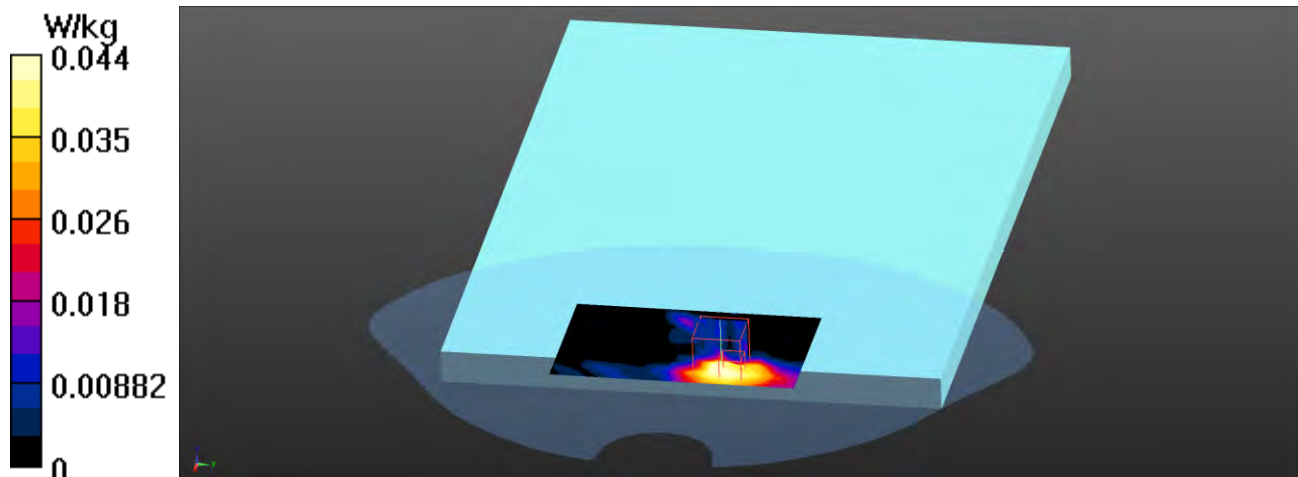
Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0441 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3840 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00709 W/kg

Maximum value of SAR (measured) = 0.0542 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Left-side(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

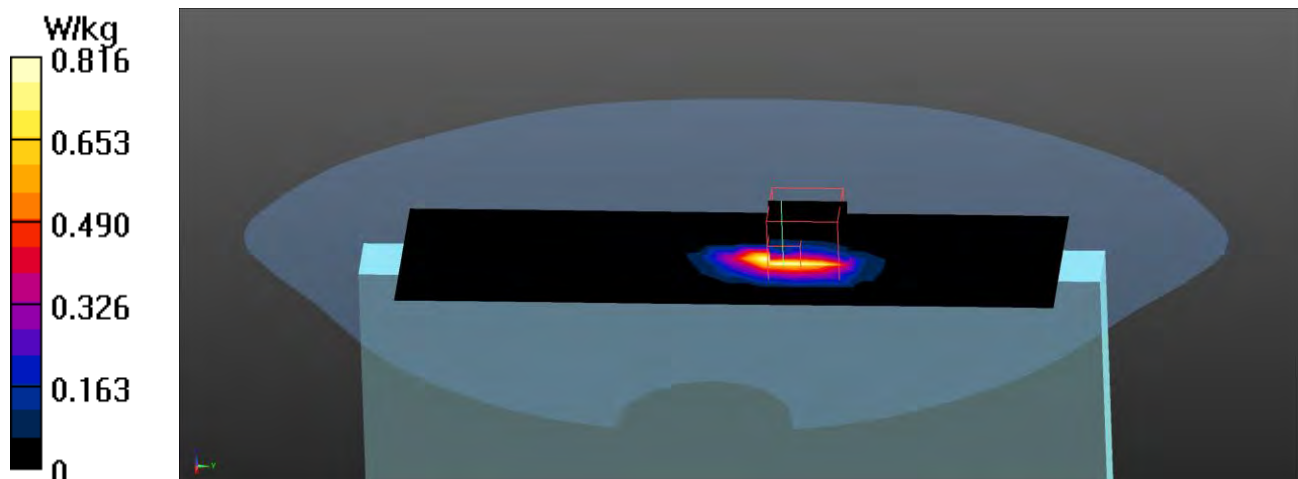
Configuration/Body/Area Scan (7x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.816 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.797 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.900 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Left-side(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

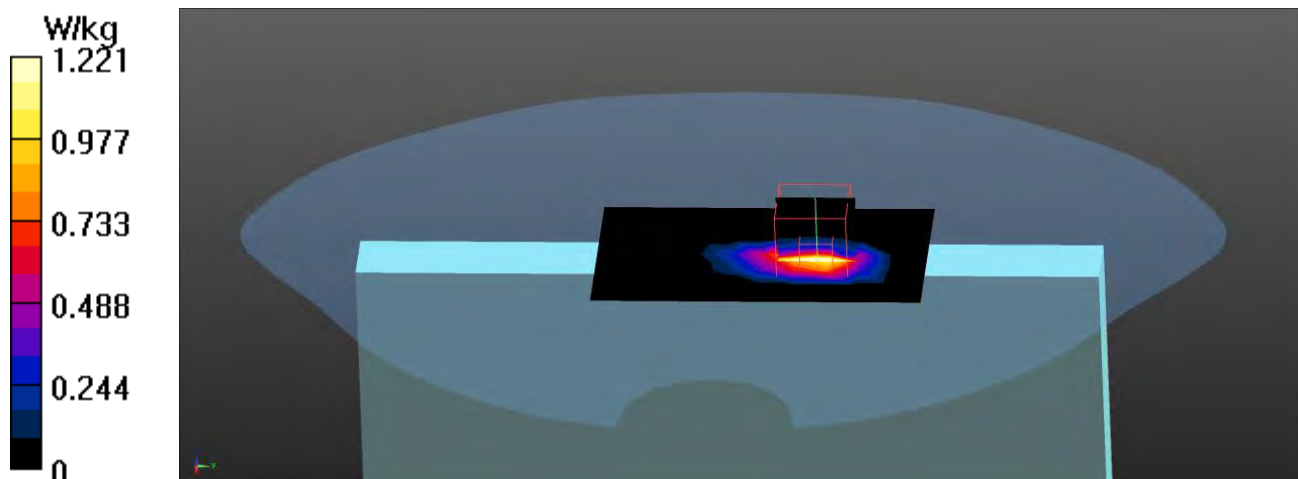
Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.22 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.967 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.96 W/kg

SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 1.70 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Left-side(PAD) Main-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

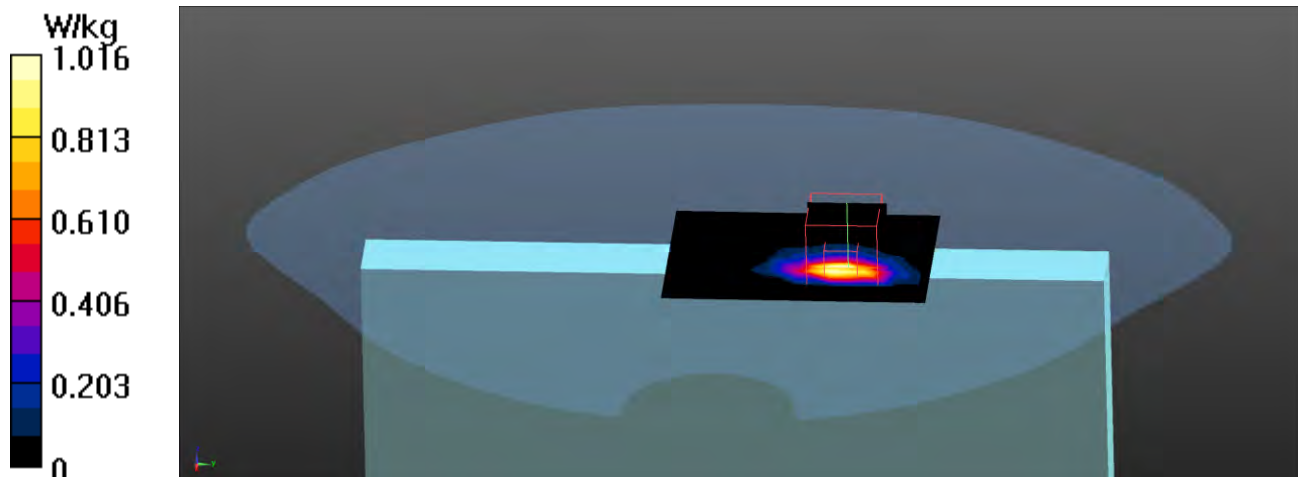
dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9030 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.32 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

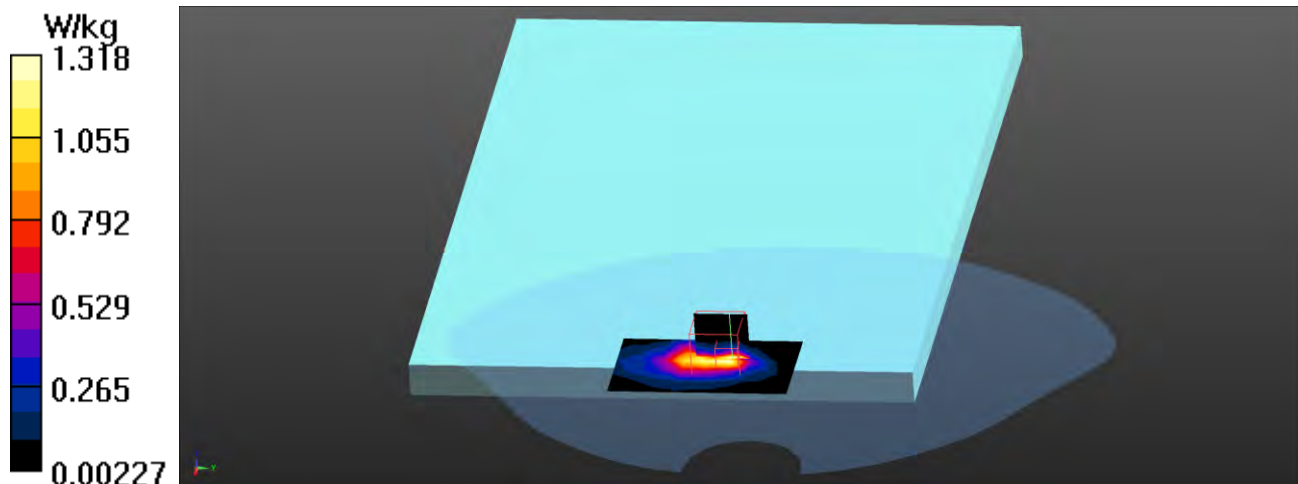
dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.427 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_106-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5530$ MHz; $\sigma = 5.03$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.20 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

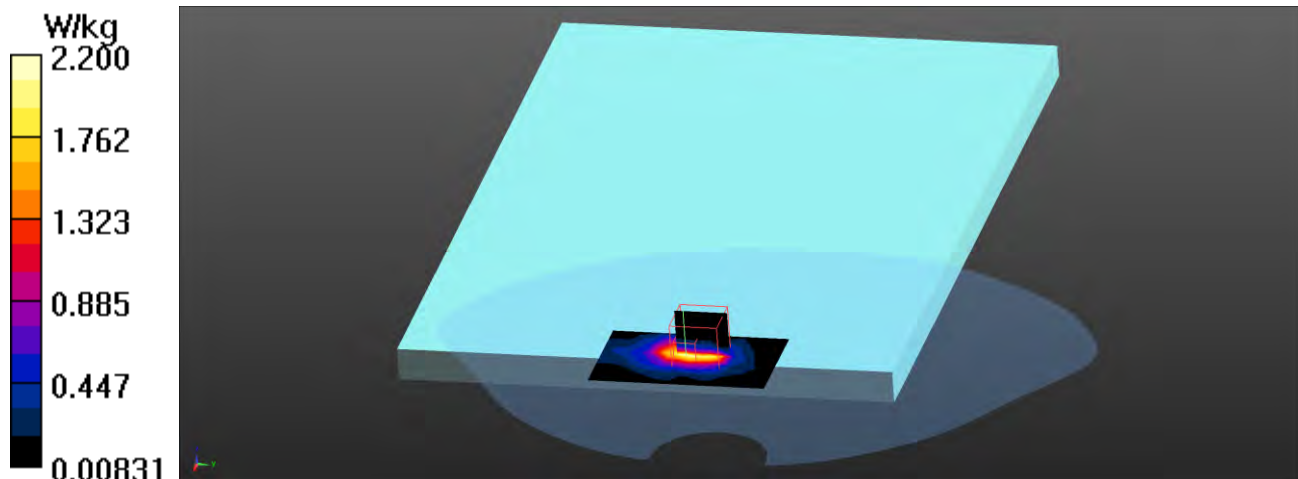
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.190 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.44 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.300 W/kg

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



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

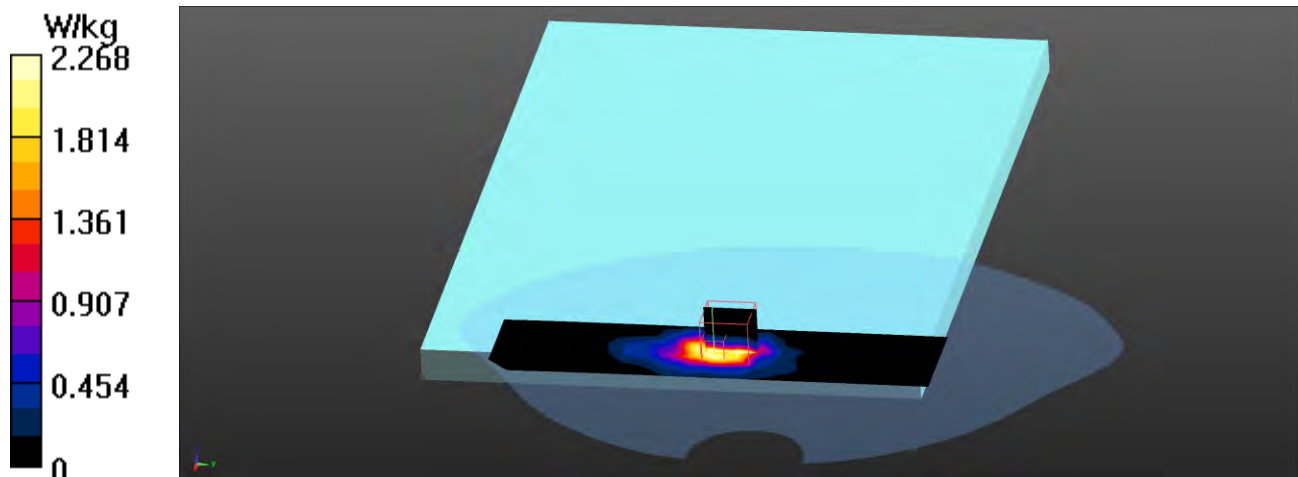
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.27 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.264 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.10 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 3.01 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

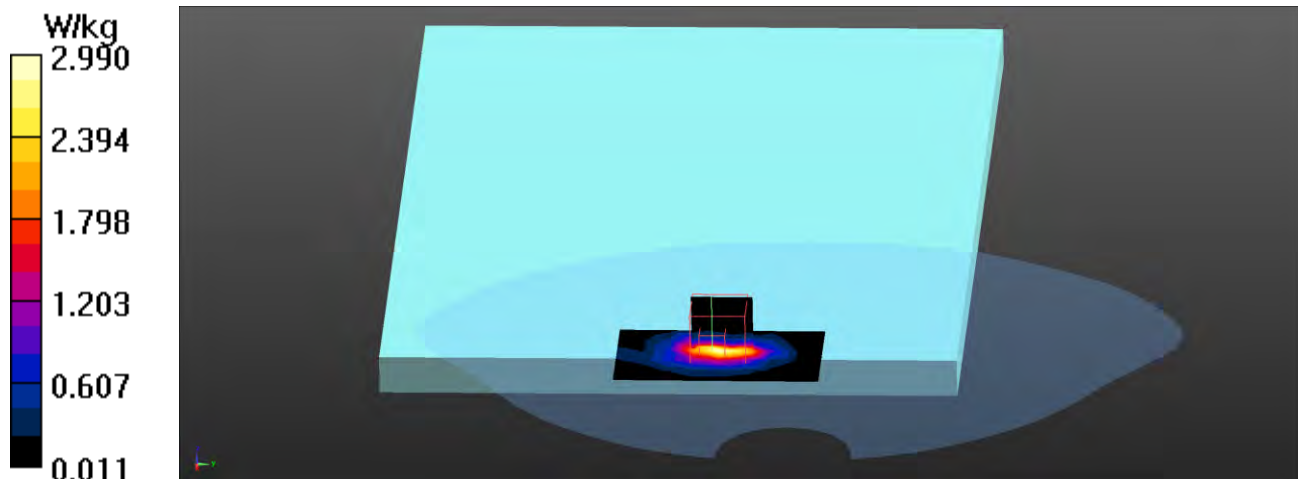
Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.99 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.432 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.92 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Bottom(NB) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

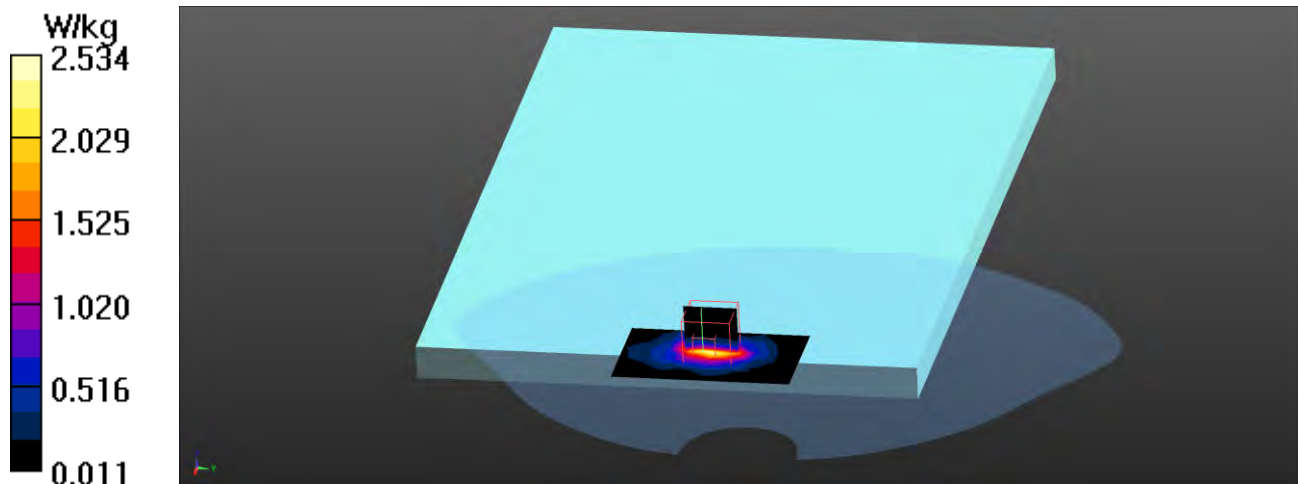
Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.53 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.782 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.320 W/kg

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



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Back(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

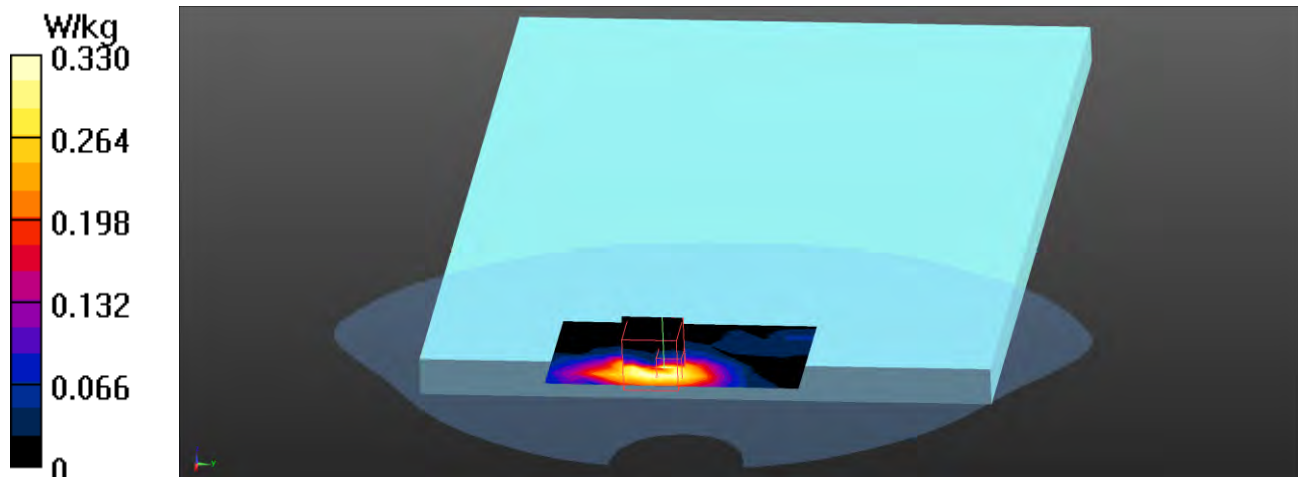
Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.330 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.684 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Back(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

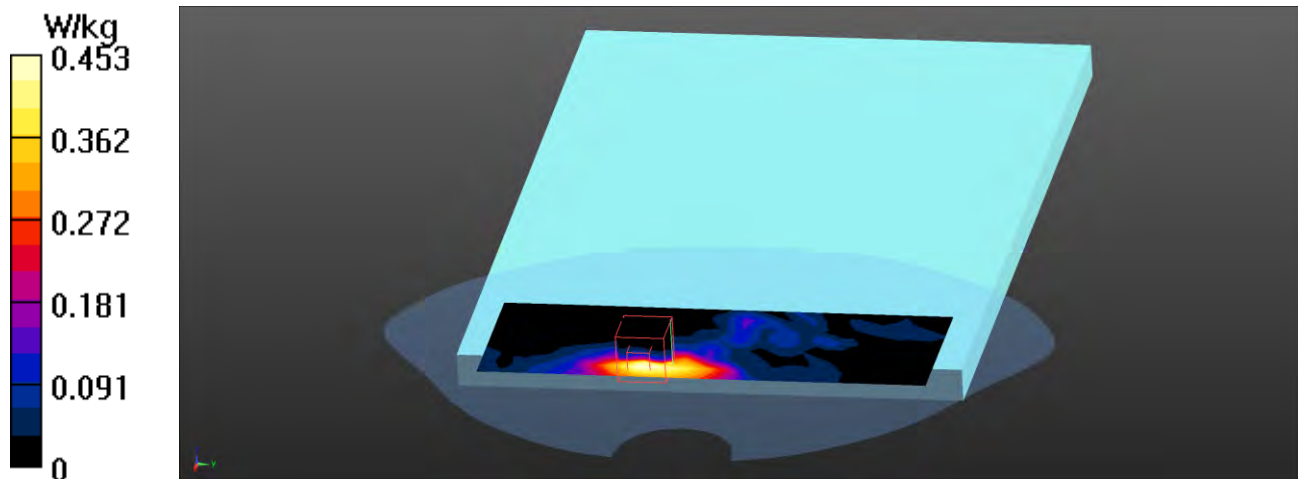
Configuration/Body/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.453 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.559 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.506 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Back(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

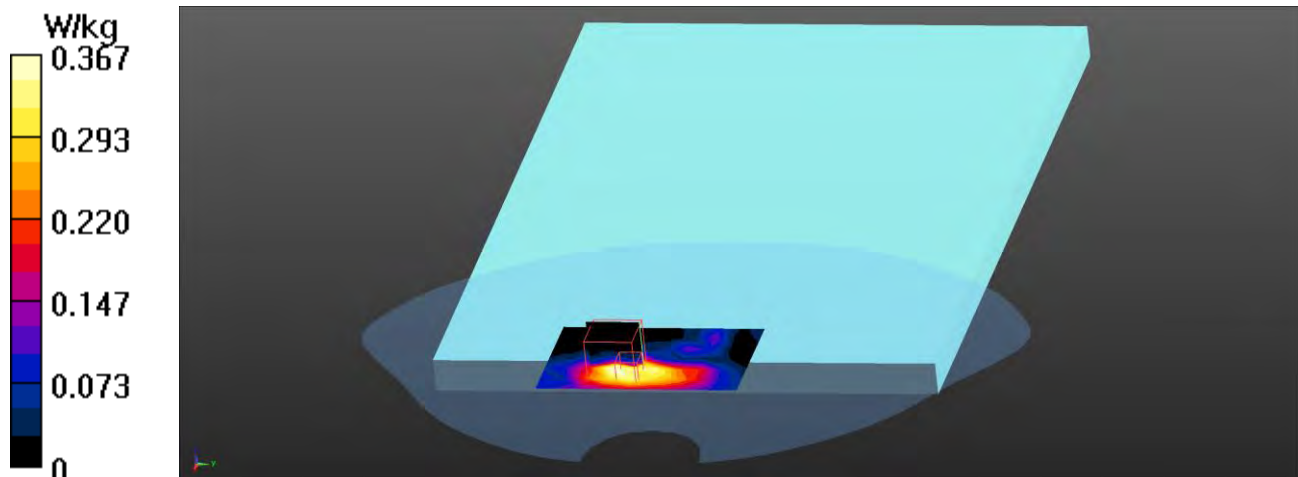
Configuration/Body/Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.367 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.273 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.432 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_58-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.73, 4.73); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

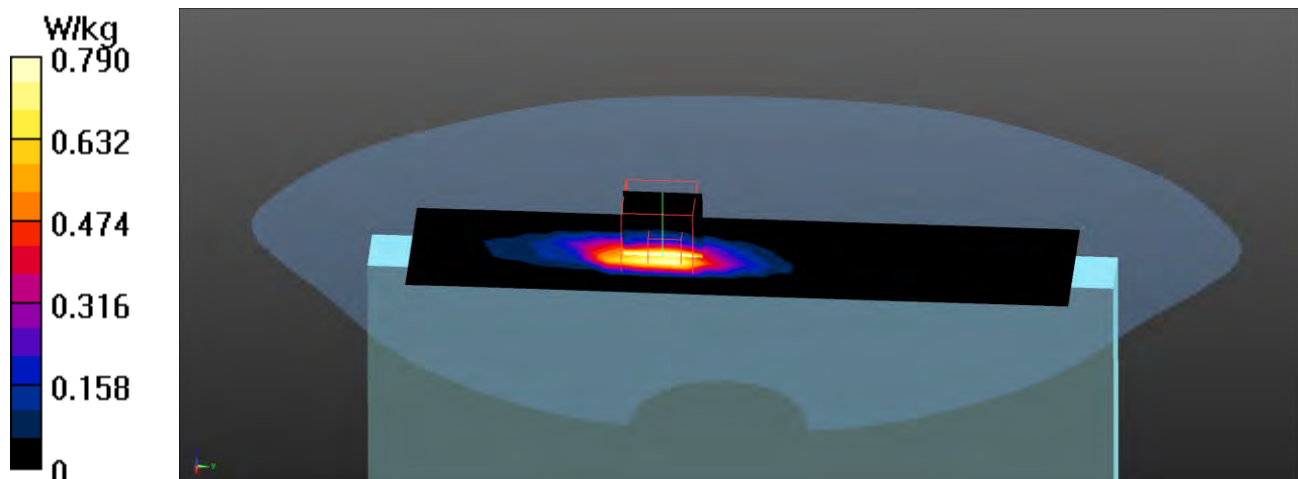
Configuration/Body/Area Scan (6x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.790 W/kg**Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0:** Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.823 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_106-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5530$ MHz; $\sigma = 5.03$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.91 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

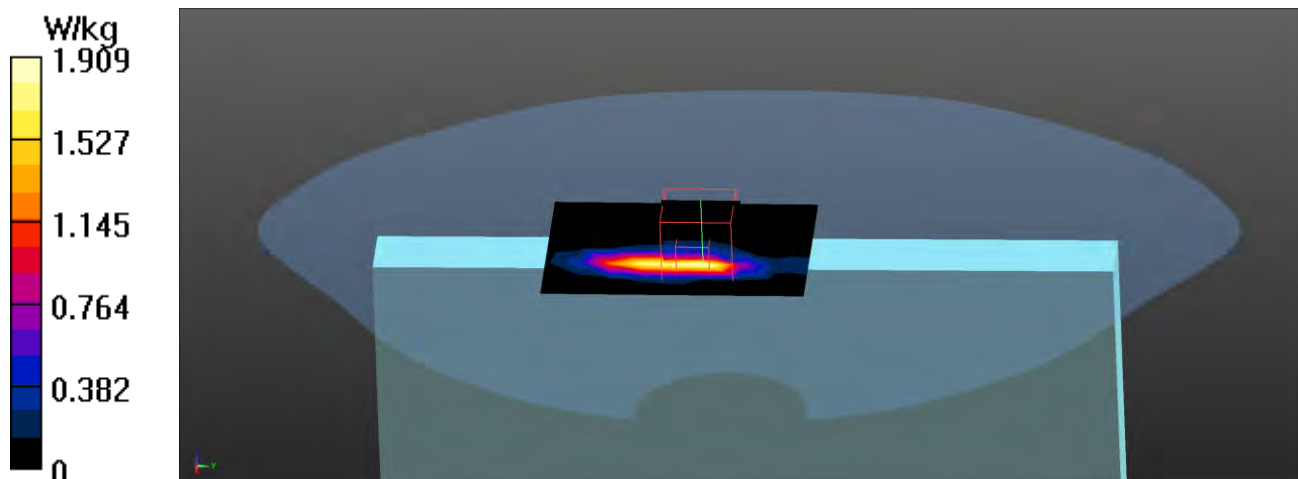
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.364 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.56 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 2.04 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_122-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5610$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.43 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

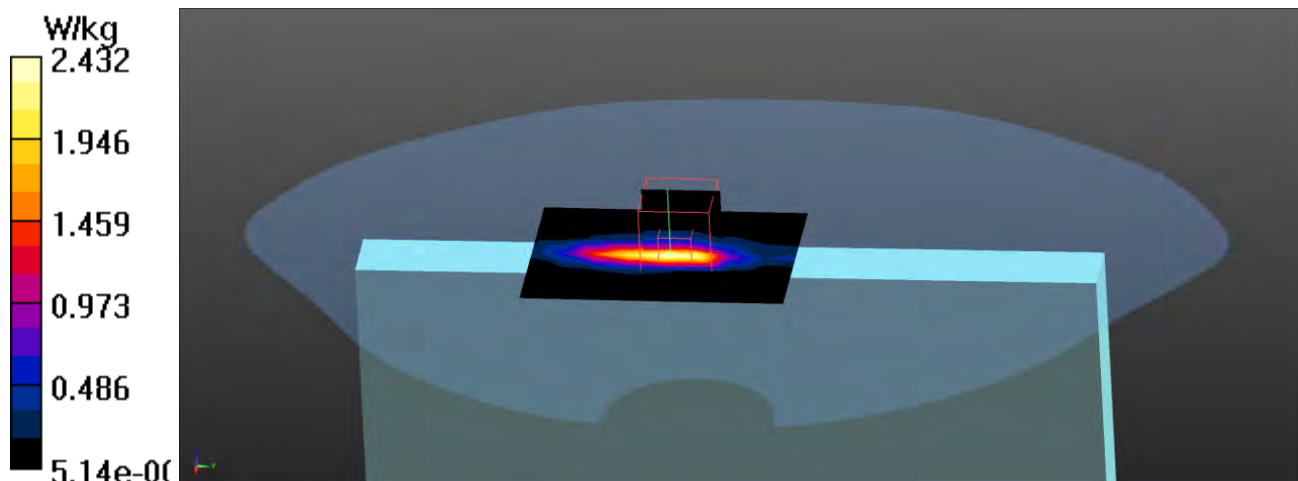
dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.34 W/kg

SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 2.44 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.07 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

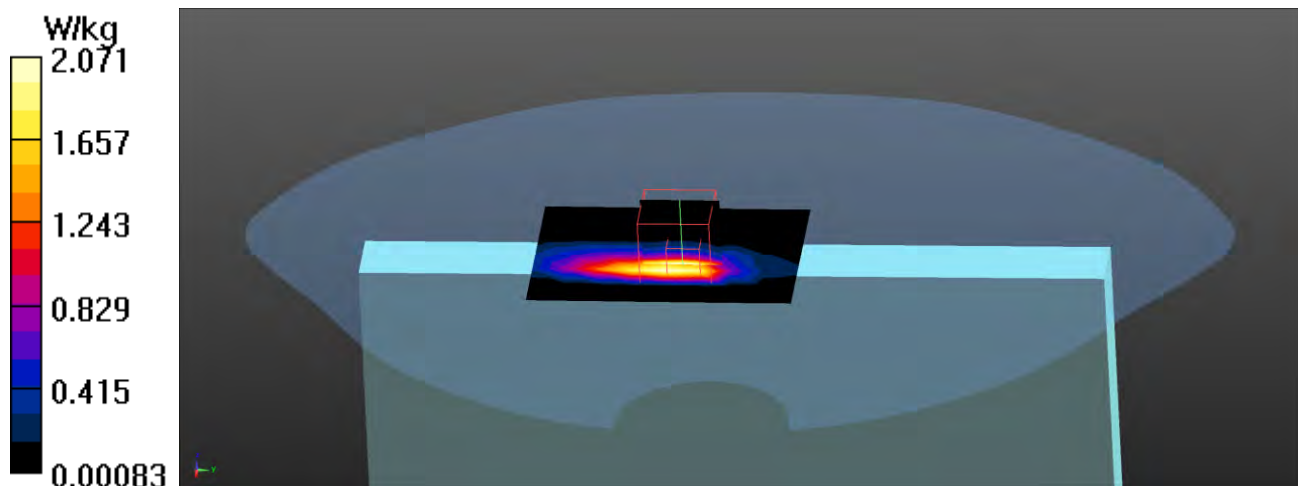
dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 4.47 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 2.31 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_155-Right-side(PAD) Aux-WNC**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 35.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.07 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:

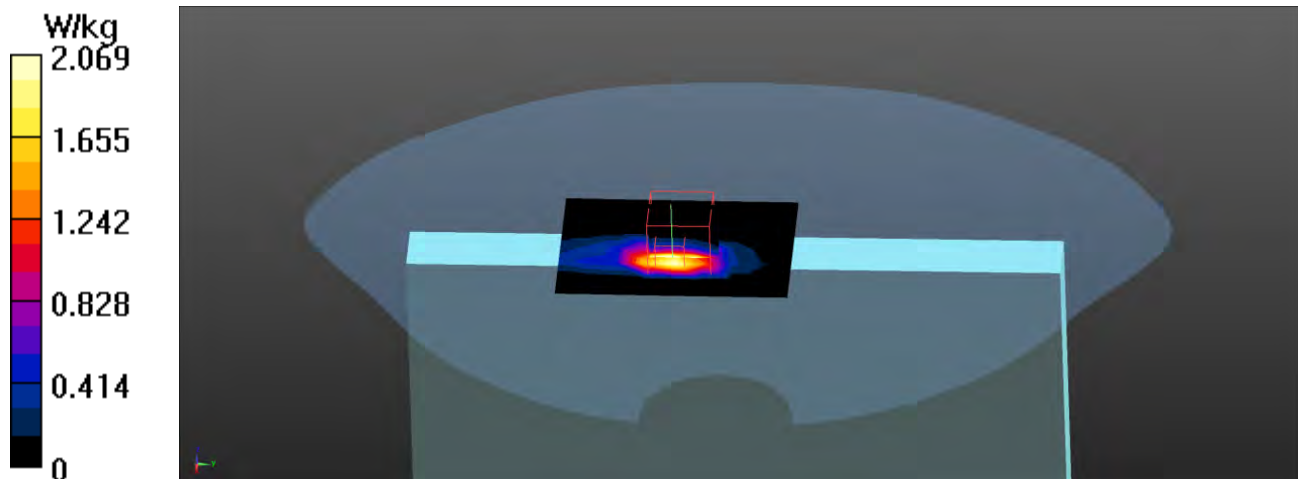
dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.056 V/m; Power Drift = -0.06 dB

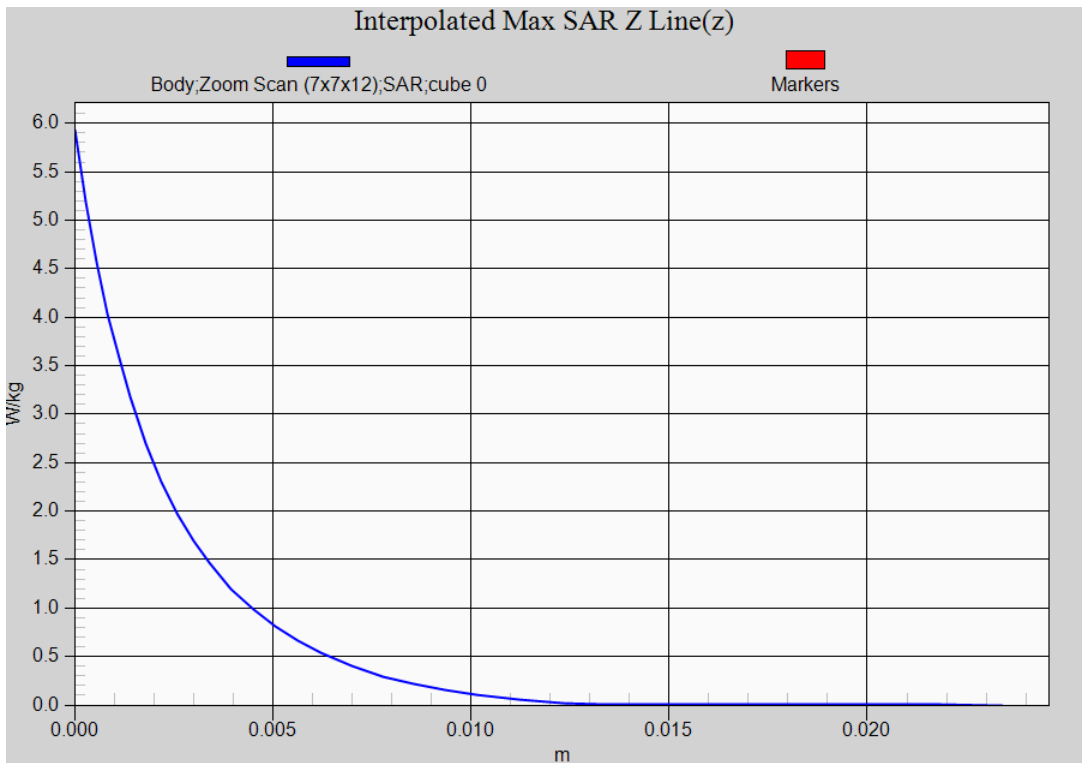
Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



802.11ac (80M) EUT Bottom (NB) (WNC Aux Antenna), Z-Axis plot
Channel: 138



SAR measurement variability

Test Laboratory: DEKRA

Date/Time: 2020/02/13

802.11b_1-Bottom(NB) Main-WNC Verify**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.5, Liquid Temperature (°C) : 22.4

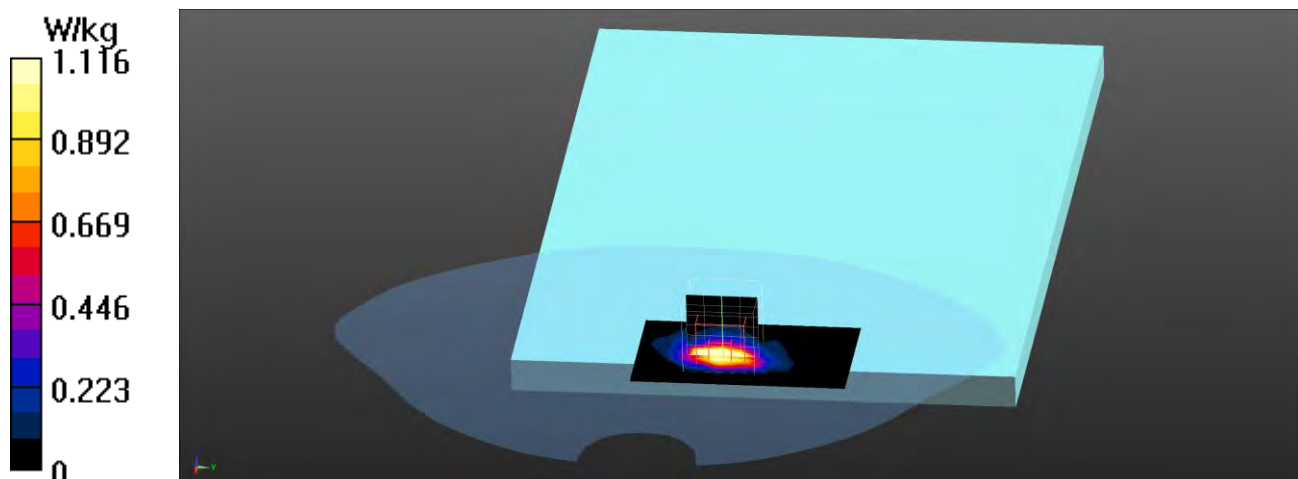
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.06, 7.06, 7.06); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.35 W/kg

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.12 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 2.50 W/kg



Test Laboratory: DEKRA

Date/Time: 2020/02/19

802.11ac80M_138-Bottom(NB) Aux-WNC verify**DUT: Portable computer; Type: P126G**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz;

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 35.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature (°C) : 23.3, Liquid Temperature (°C) : 22.0

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.43, 4.43, 4.43); Calibrated: 2019/11/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2019/11/14
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.79 W/kg

Configuration/Body/Zoom Scan (7x7x12) (7x7x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.174 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 5.95 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 2.88 W/kg

