

Test Configurations

Test Locations

Per FCC KDB 447498, section 4.3.1, Item #1 the top and right edges as well as the back side adjacent to the antenna were tested. Each of these positions was tested with the keyboard folded under the display ("tablet mode") or extended away from the display ("tent mode"). Testing was done with 0 cm spacing to the phantom.

The bottom edge has greater than 201 mm separation from the antenna and is excluded from stand-alone SAR testing. The front surface of the tablet is excluded from SAR testing per Section 4.3 of KDB 616217.

Simultaneous Transmission SAR Test Exclusion

Per FCC KDB 447498, section 4.3.2, the radios were evaluated for simultaneous transmission SAR test exclusion. The SAR to peak location separation ratio was evaluated for each pair of simultaneous transmitting antennas. The WLAN and WWAN antennas are excluded from simultaneous SAR testing (see the Product Description section of this report for more details).

Operating Mode

All testing was performed with the EUT configured in a worst – case configuration and operating mode to produce the highest SAR levels. The transmit antenna is co-located with a proximity sensor. Once the sensor is triggered, the output power is lowered for all bands. SAR testing was performed at 0cm for the lower (triggered) output power level. Additional SAR testing was also performed at the normal full power level at the trigger distance (see the Proximity Sensor section of this report for details).

An Agilent 8960 test set, Model E5515C, was used to control the EUT for the 2G and 3G bands. An Anritsu test set, Model MT8820C, was used to control the EUT for the LTE bands (see the Output Power section of this report for more details regarding instrument settings).

The WWAN radio operated continuously at nearly 100% duty cycle at the maximum rated power.

Summary

The following tables summarize the measured SAR values.

Per FCC KDB 941225, among the channels required for normal testing, SAR must be measured on the channel with the highest conducted output power. When the SAR measured on the highest output channel is >0.8 W/kg, SAR evaluation for the other required test channels is necessary.

Also, when the measured SAR is >0.8 W/kg, SAR measurement variability is assessed per FCC KDB 865664 D01 v01r03, Section 2.8.1.

EUT:	WSBUB-SDS	Work Order:	INTE5453
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	Mike Lowe, Bill Jones	Customer Project:	None

TEST SPECIFICATIONS

Specification:	Method:
FCC 2.1093:2014	IEEE Std 1528:2003 FCC KDB 447498 D01 v05r02 FCC KDB 941225 D01 v02, D03 v01 and D05 v02r03 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 and D02 v01r01

COMMENTS

0 mm spacing between the phantom and the EUT. Tested at low output power.

DEVIATIONS FROM TEST STANDARD

None

RESULTS

Test Configuration	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Transmit Mode	Data Rate (Mbps)	Distance	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Top	0.02	0.36	0.18	101
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Right	N/A	0.04	0.04	102
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Back	N/A	0.14	0.14	103
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Top	0.05	0.52	0.25	104
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tablet	Right	N/A	0.04	0.04	105
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tablet	Back	-0.08	0.19	0.12	106
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Top	-0.06	0.45	0.23	107
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Right	N/A	0.04	0.04	108
Body	Cellular	824.2	128	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Back	0.02	0.74	0.37	109
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Top	-0.11	0.68	0.33	110
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tent	Right	N/A	0.06	0.06	111
Body	Cellular	836.6	4183	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tent	Back	0.04	1.20	0.56	112

SAR TEST DATA

Test Configuration	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Transmit Mode	Data Rate (Mbps)	Distance	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	Cellular	826.4	4132	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tent	Back	-0.03	1.04	0.49	112a
Body	Cellular	846.6	4233	WCDMA	12.2 kbps RMC / Test Loop 1	0mm	Tent	Back	0.00	1.23	0.58	112b

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.4
Date:	5/14/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	36.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 101

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$, Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.237 W/kg

Body/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.772 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.357 W/kg ; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.485 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.380 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

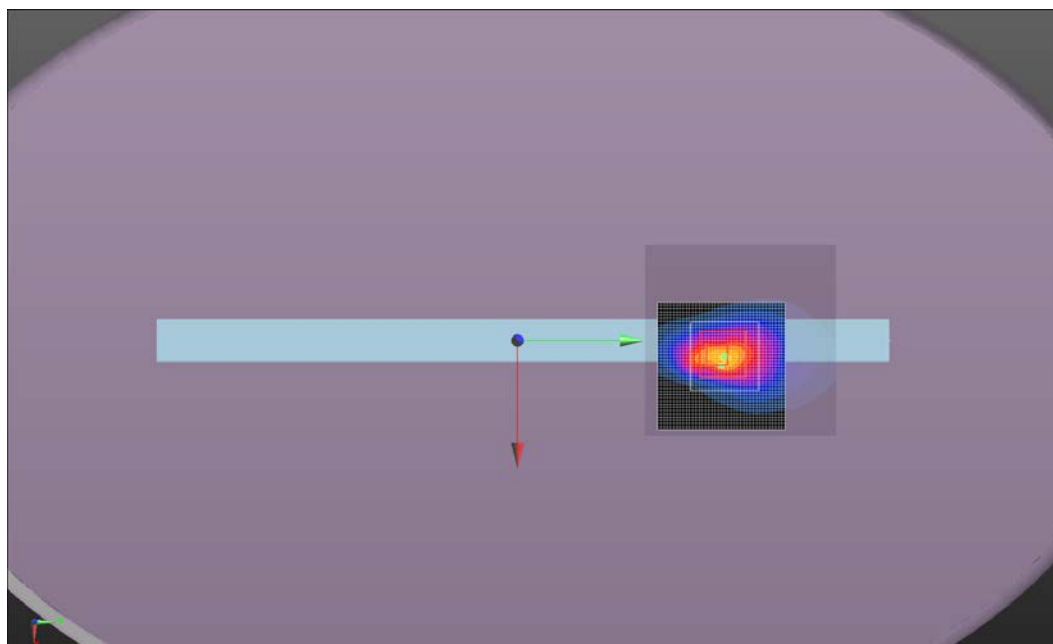
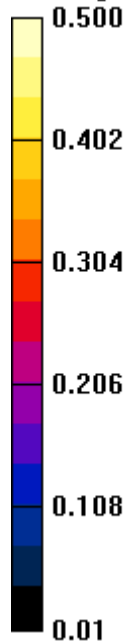
Maximum value of Total (measured) = 15.53 V/m

Maximum value of SAR (measured) = 0.239 W/kg




Approved By

Test 101
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/14/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	34.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 102

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0272 W/kg

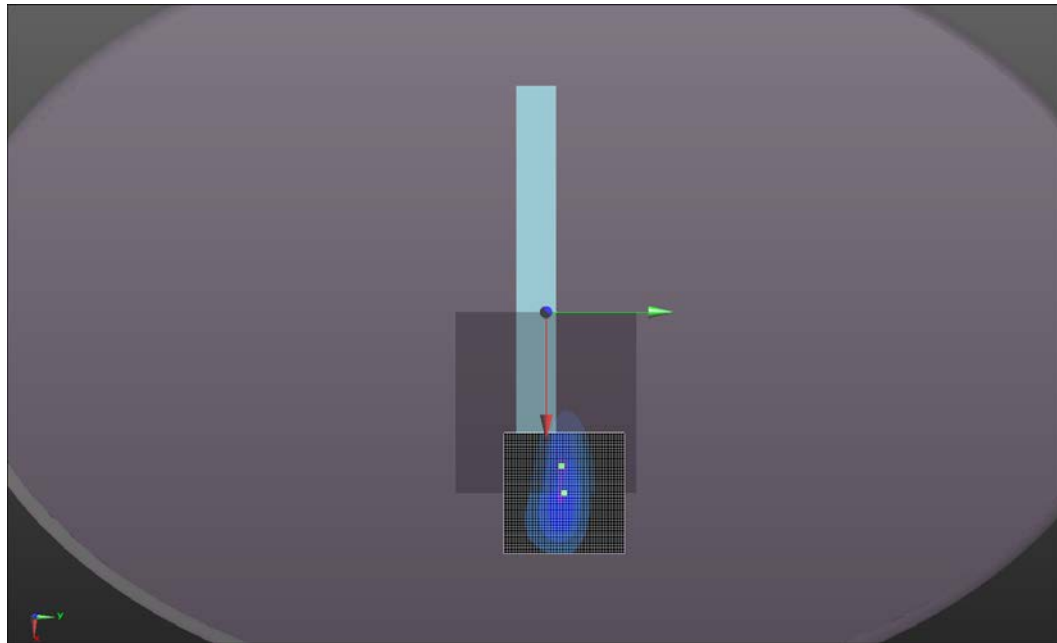
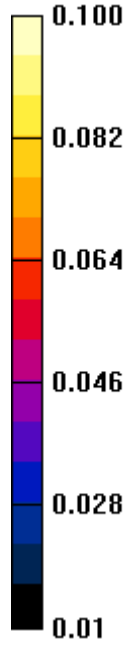
Body/Body/Area scan (41x41x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0365 W/kg




Approved By

Test 102
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/14/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	34.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 103

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0215 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

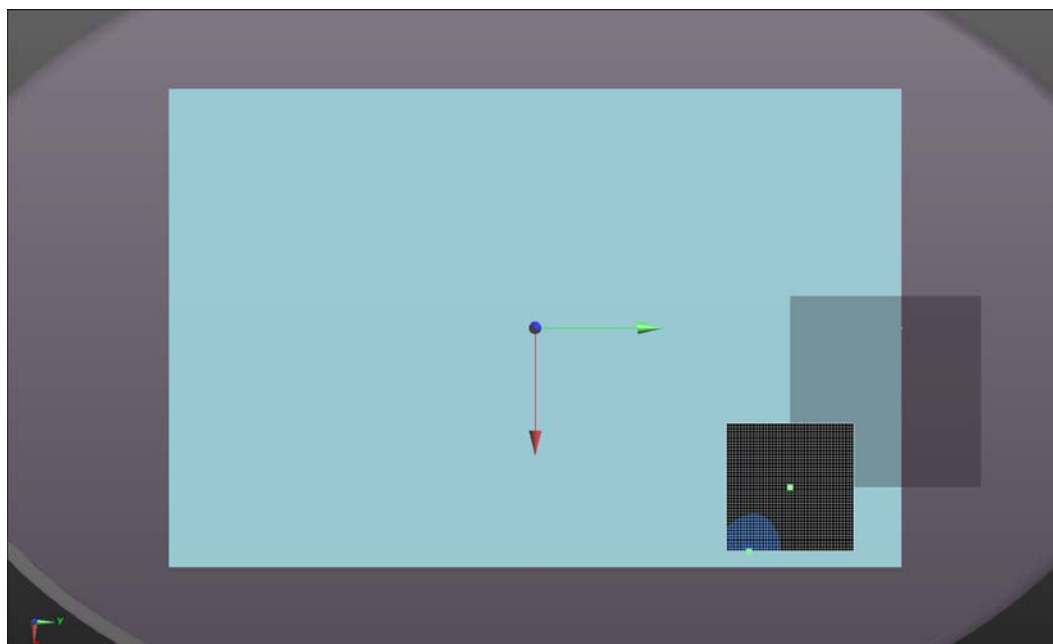
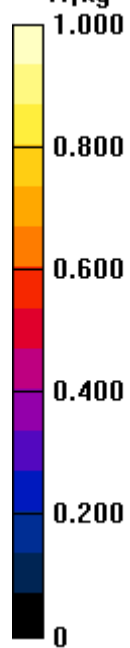
Maximum value of SAR (interpolated) = 0.145 W/kg




Approved By

Test 103

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.1
Date:	5/15/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 104

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.272 W/kg

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

Reference Value = 27.178 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.253 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.706 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.705 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 18.20 V/m

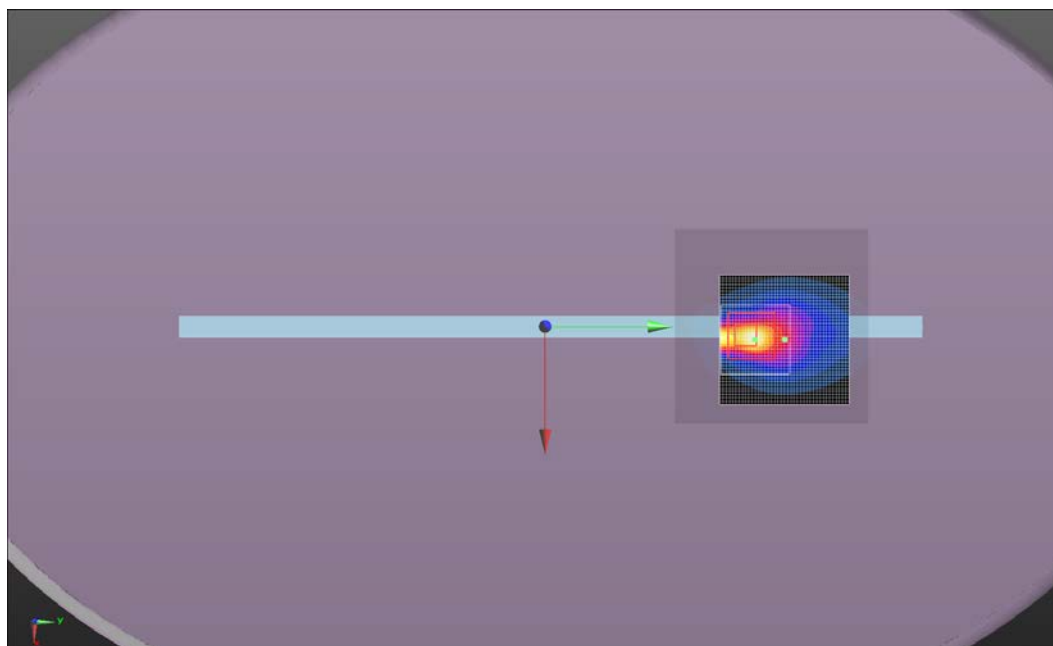
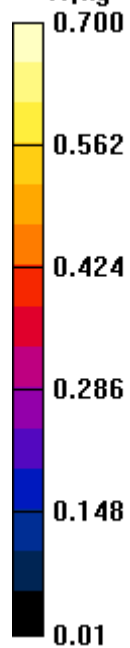
Maximum value of SAR (measured) = 0.332 W/kg



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Test 104

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/15/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 105

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0336 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0419 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

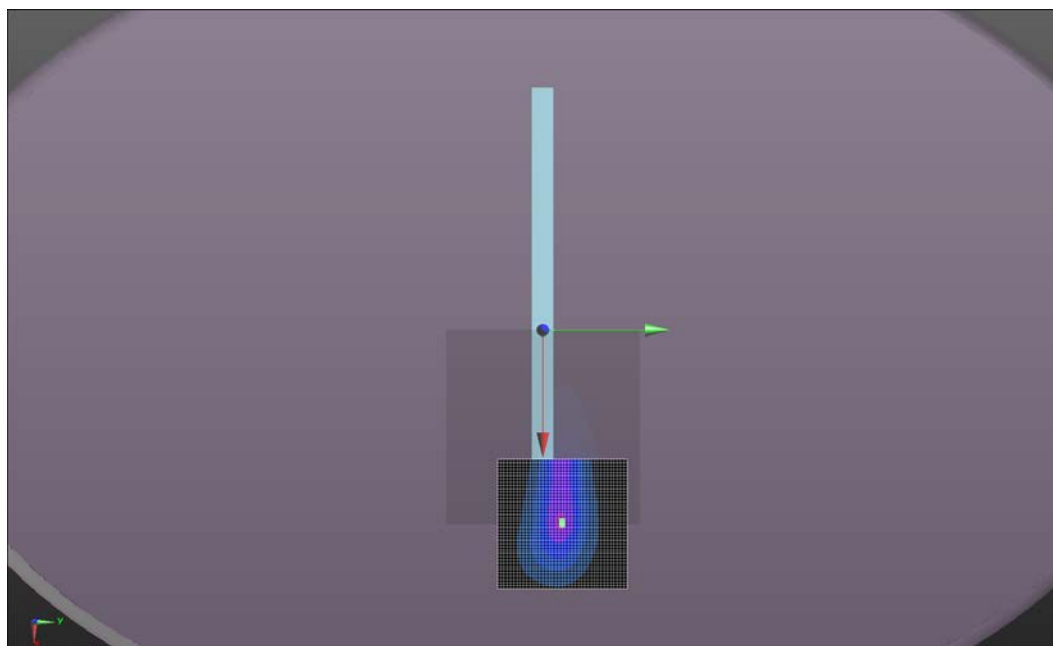
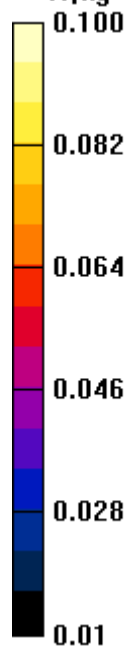
Maximum value of SAR (measured) = 0.0417 W/kg



Approved By

Test 105

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.1
Date:	5/15/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 106

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.166 W/kg

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

Reference Value = 15.906 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.116 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.233 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.245 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 12.01 V/m

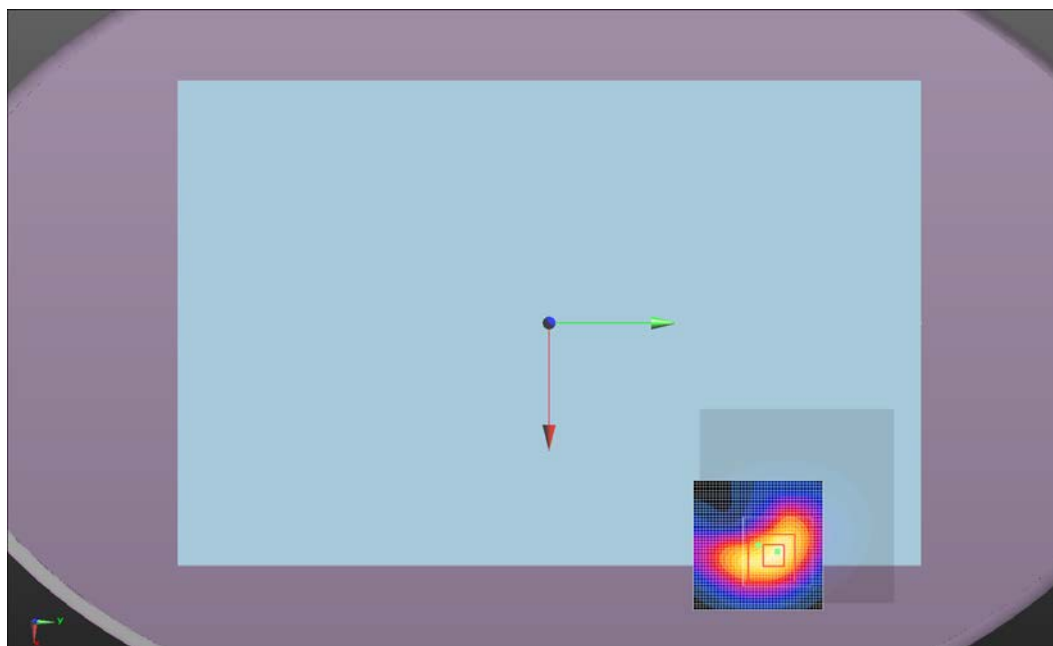
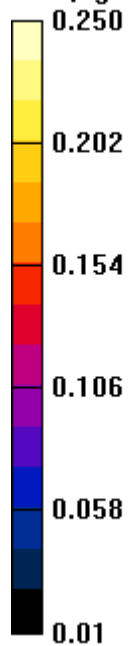
Maximum value of SAR (measured) = 0.145 W/kg



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Test 106

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.4
Date:	5/14/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	36.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 107

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$, Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.257 W/kg

Body/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.751 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.450 W/kg ; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.613 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.611 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

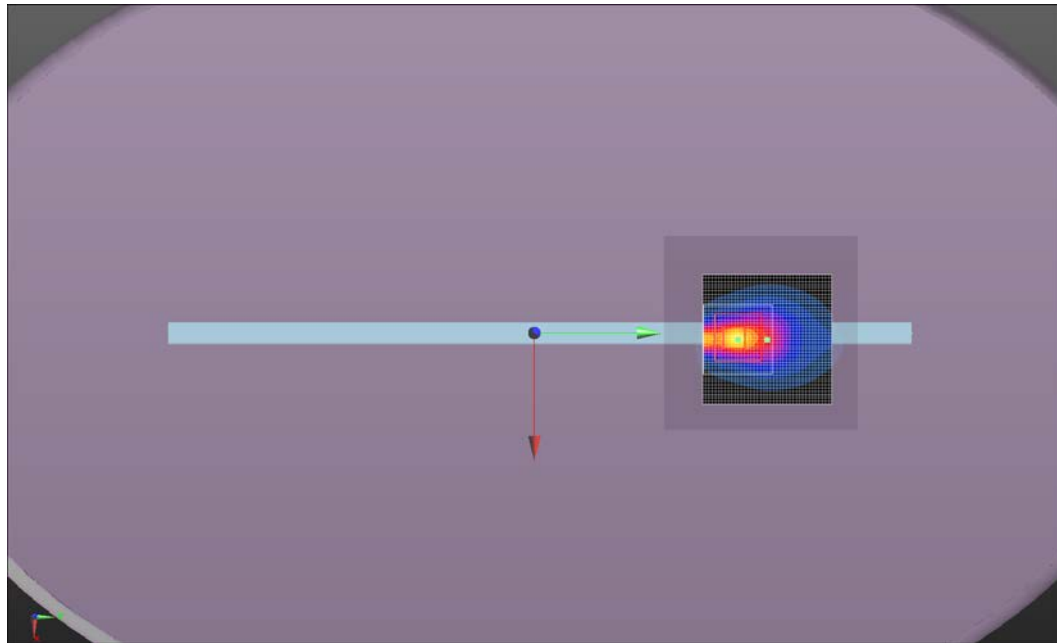
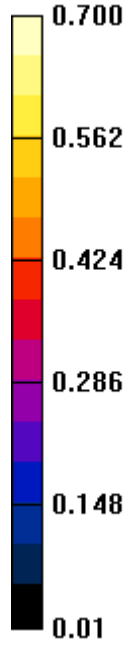
Maximum value of Total (measured) = 17.76 V/m

Maximum value of SAR (measured) = 0.312 W/kg




Approved By

Test 107
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.4
Date:	5/14/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	36.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 108

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0370 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

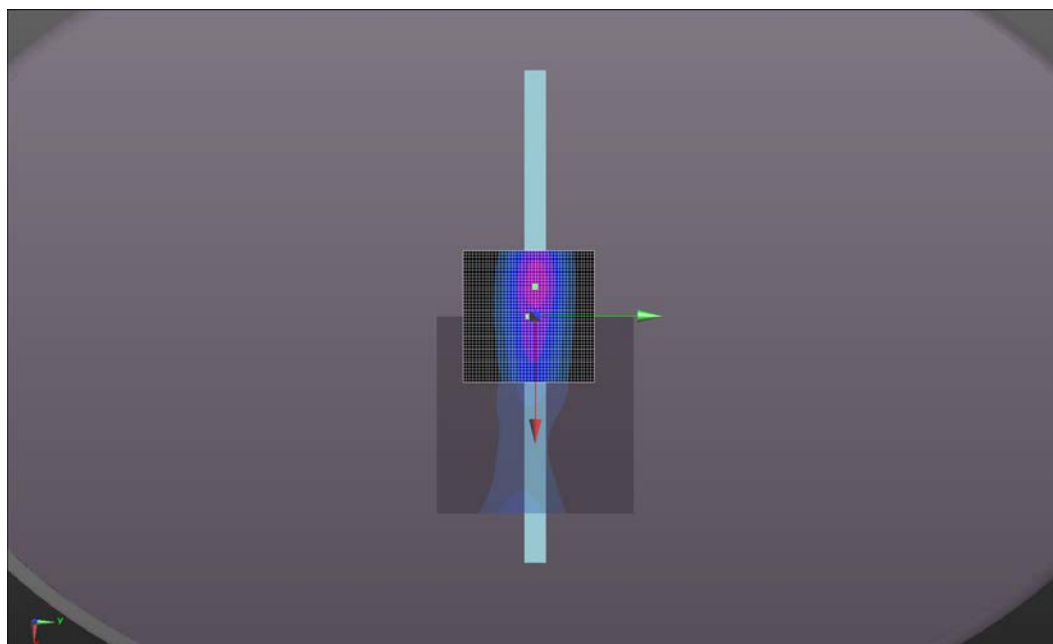
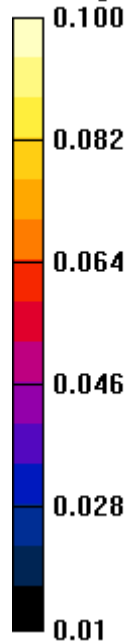
Maximum value of SAR (interpolated) = 0.0445 W/kg




Approved By

Test 108

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/14/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	34.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1018
Comments:	None		

Test 109

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 824.2 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 55.086$; $\rho = 1000 \text{ kg/m}^3$, Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Zoom Scan 2 (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.183 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.369 W/kg

Maximum value of SAR (measured) = 1.03 W/kg

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.858 W/kg

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

Reference Value = 33.183 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.372 W/kg

Maximum value of SAR (measured) = 1.01 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 22.61 V/m

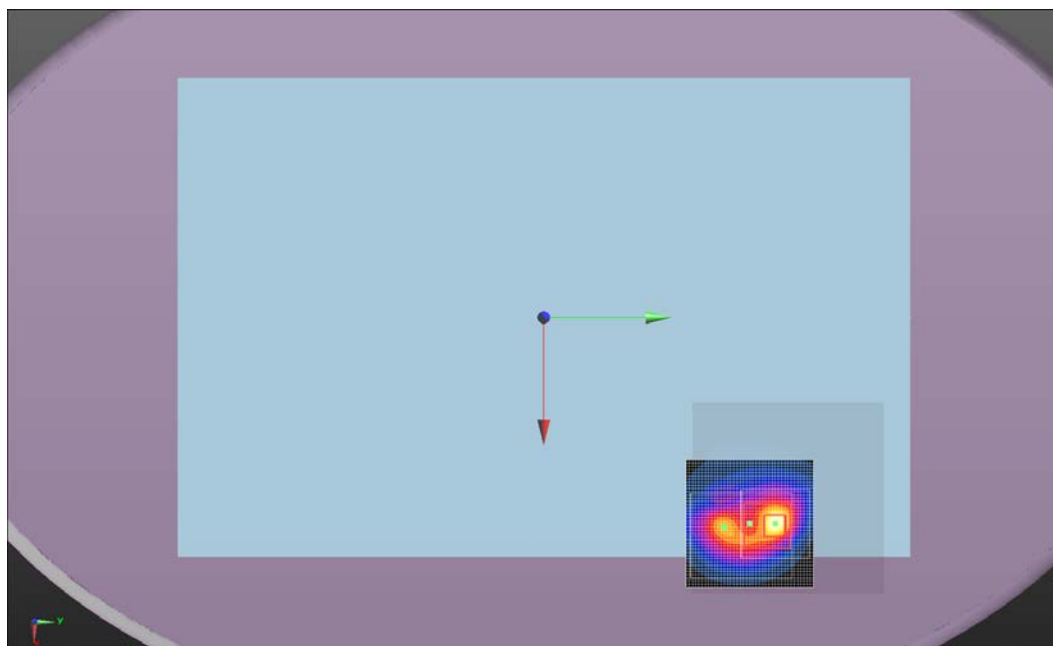
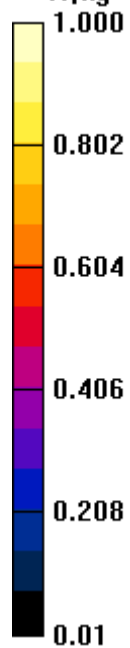
Maximum value of SAR (measured) = 0.506 W/kg




Approved By

Test 109

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	5/15/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 110

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.350 W/kg

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

Reference Value = 31.526 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.330 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.932 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.871 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

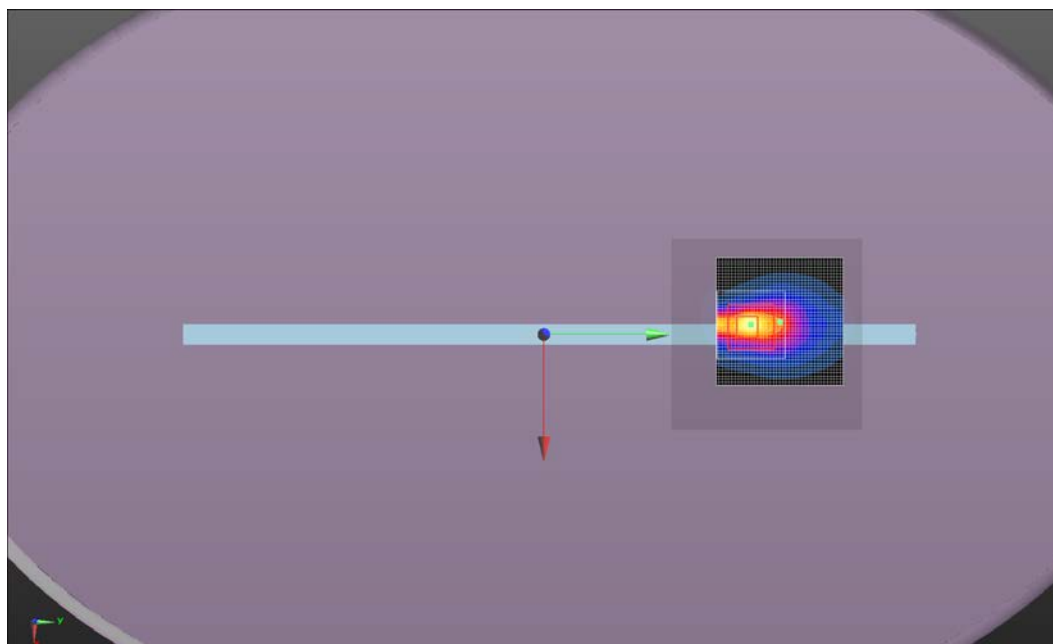
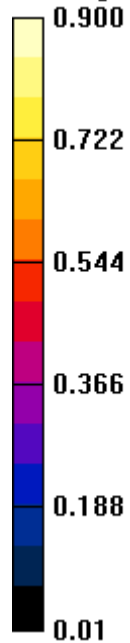
Maximum value of Total (measured) = 21.25 V/m

Maximum value of SAR (measured) = 0.453 W/kg



Approved By

Test 110
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/15/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 111

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0488 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0644 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

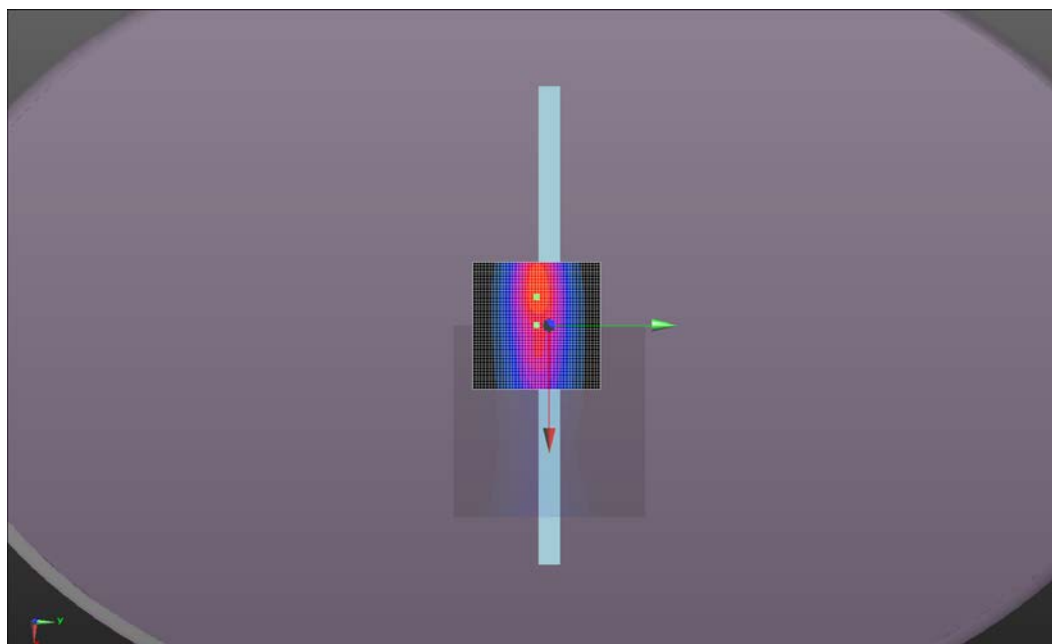
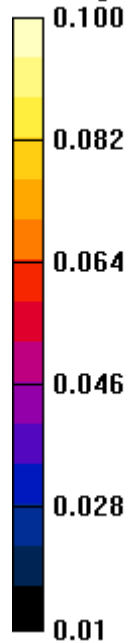
Maximum value of SAR (measured) = 0.0642 W/kg



Approved By

Test 111

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/15/2014	Liquid Temperature (°C):	22.7
Serial Number:	008	Humidity (%RH):	42.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 112

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.944 W/kg

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

Reference Value = 37.850 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.562 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.57 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.53 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

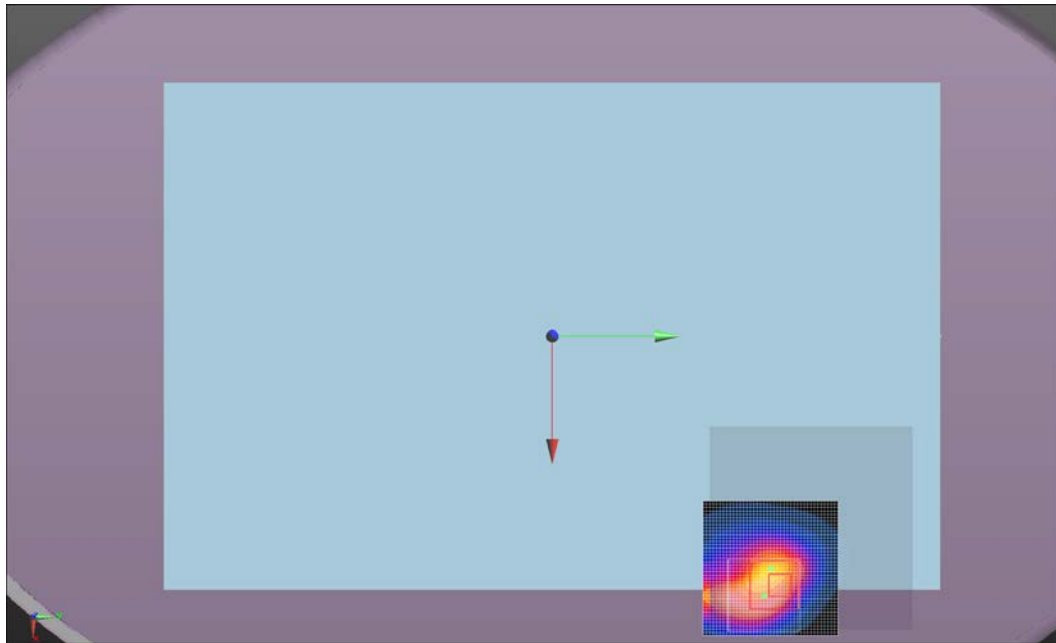
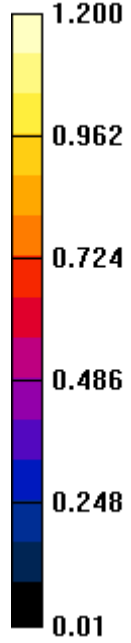
Maximum value of Total (measured) = 26.16 V/m

Maximum value of SAR (measured) = 0.686 W/kg




Approved By

Test 112
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/15/2014	Liquid Temperature (°C):	22.7
Serial Number:	008	Humidity (%RH):	42.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 112a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 826.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 55.052$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.824 W/kg

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

Reference Value = 35.628 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.492 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.36 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.35 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 24.54 V/m

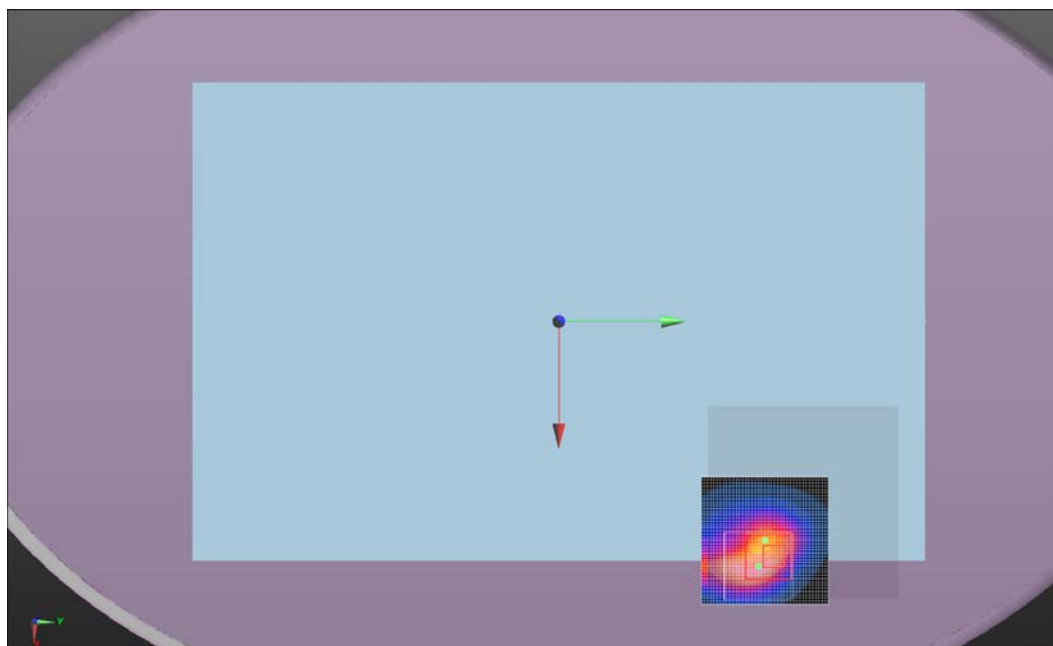
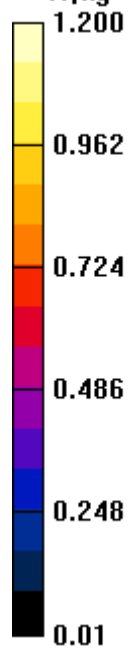
Maximum value of SAR (measured) = 0.597 W/kg




Approved By

Test 112a

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.9
Date:	5/15/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 112b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 846.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.85$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.966 W/kg

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

Reference Value = 38.445 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.578 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.58 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 26.43 V/m

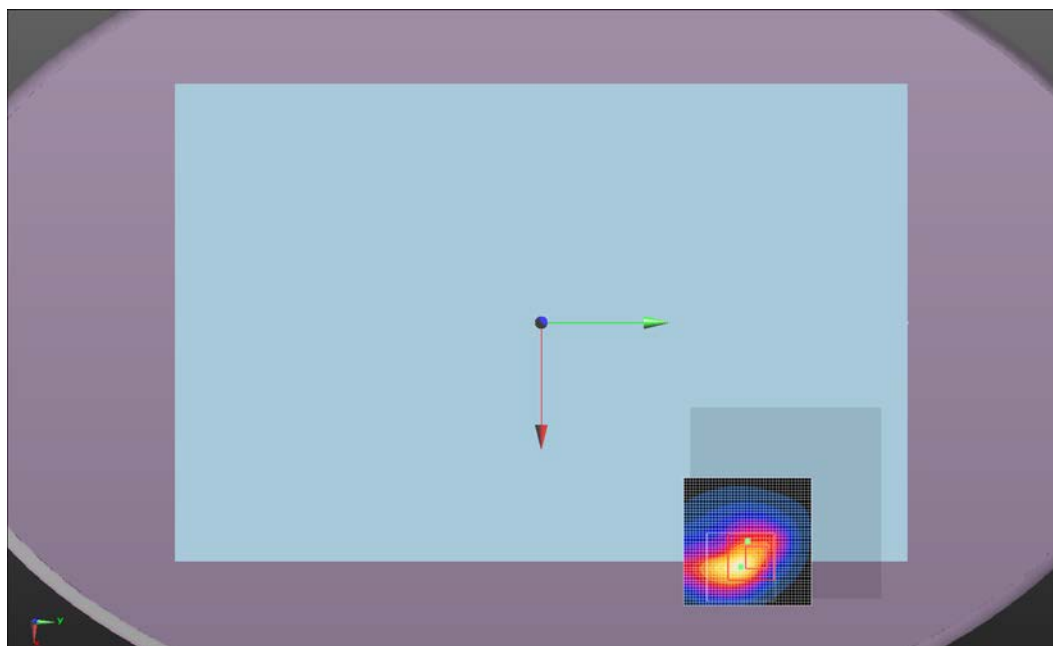
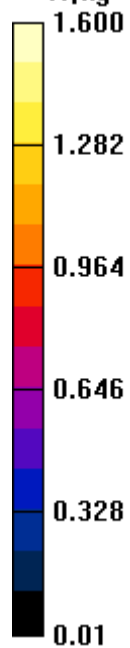
Maximum value of SAR (measured) = 0.704 W/kg



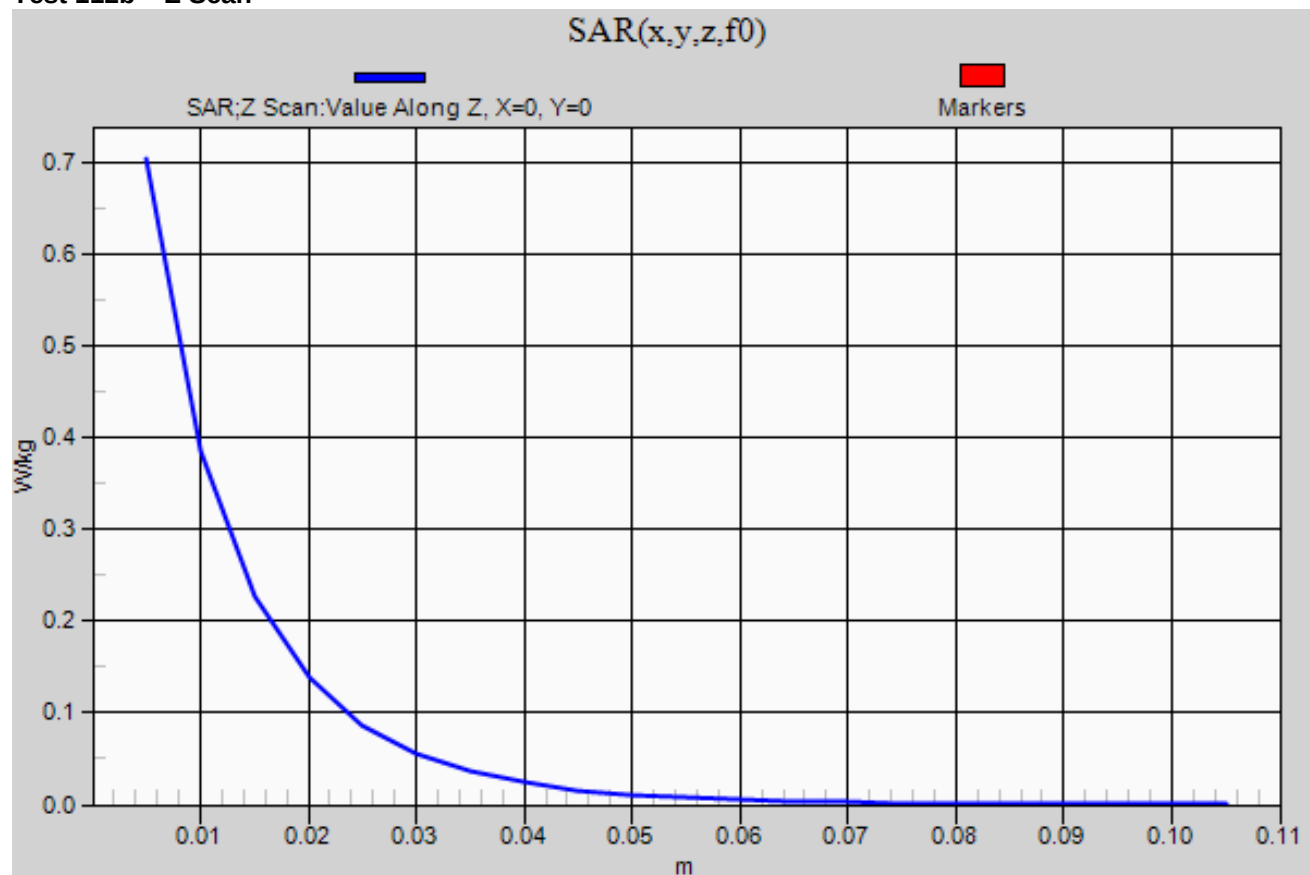

Approved By

Test 112b

W/kg



Test 112b – Z Scan



EUT:	WSBUB-SDS	Work Order:	INTE5453
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	Mike Lowe, Bill Jones	Customer Project:	None

TEST SPECIFICATIONS

Specification:	Method:
FCC 2.1093:2014	IEEE Std 1528:2003 FCC KDB 447498 D01 v05r02 FCC KDB 941225 D01 v02, D03 v01 and D05 v02r03 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 and D02 v01r01

COMMENTS

0 mm spacing between the phantom and the EUT. Tested at low output power.

DEVIATIONS FROM TEST STANDARD

None

RESULTS

Test Configuration	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Transmit Mode	Data Rate (Mbps)	Distance	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Top	0.37	0.15	0.07	125
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Right	N/A	0.04	0.04	126
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tablet	Back	N/A	0.13	0.13	136
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Top	0.09	0.21	0.09	128
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Right	N/A	0.06	0.06	129
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Back	0.03	0.15	0.09	130
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Top	-0.26	0.08	0.03	134
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Right	N/A	0.06	0.06	135
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Back	-0.07	0.57	0.26	127
Body	PCS	1880	661	E-GPRS	1 slot / GMSK (MCS-4)	0 mm	Tent	Back	-0.15	1.16	0.52	127b
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Top	-0.34	0.12	0.05	137

SAR TEST DATA

Test Configuration	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Transmit Mode	Data Rate (Mbps)	Distance	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Right	N/A	0.10	0.10	138
Body	PCS	1880	9400	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	0.02	1.03	0.45	139
Body	PCS	1852.4	9262	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	-0.06	1.04	0.46	139a
Body	PCS	1907.6	9538	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	-0.01	1.02	0.45	139b

Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	40
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 125

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0654 W/kg

Body/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.068 V/m; Power Drift = 0.37 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.196 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.115 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.153 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 6.831 V/m

Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

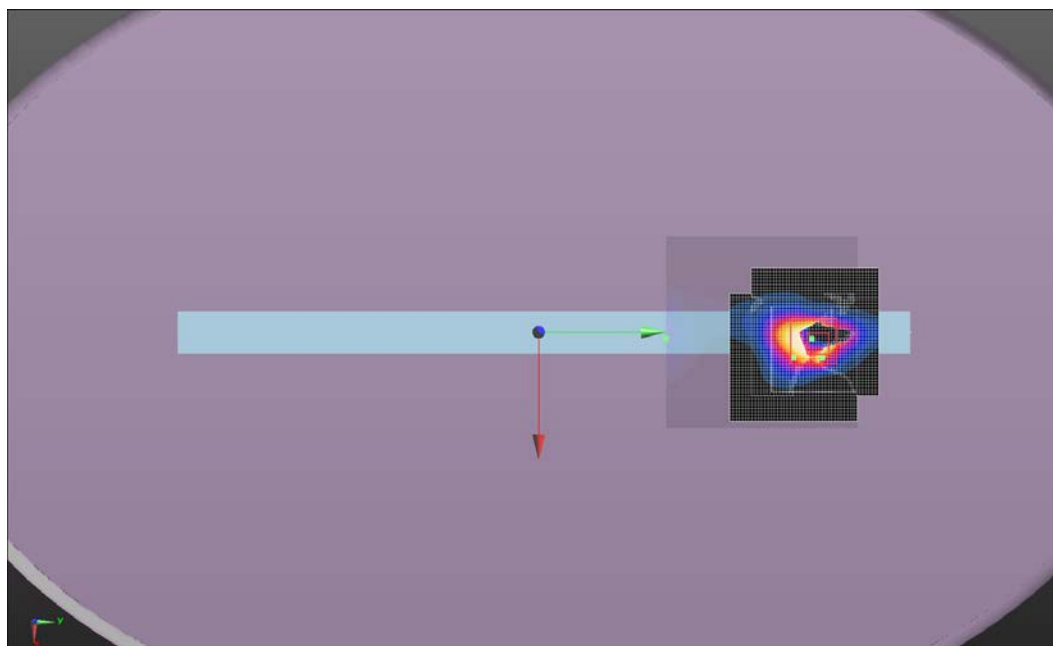
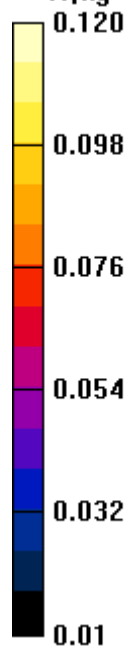
Maximum value of SAR (measured) = 0.140 W/kg




Approved By

Test 125

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	40
Configuration:	INTE5453-1	Bar. Pressure (mb):	1021
Comments:	None		

Test 126

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0389 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0358 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

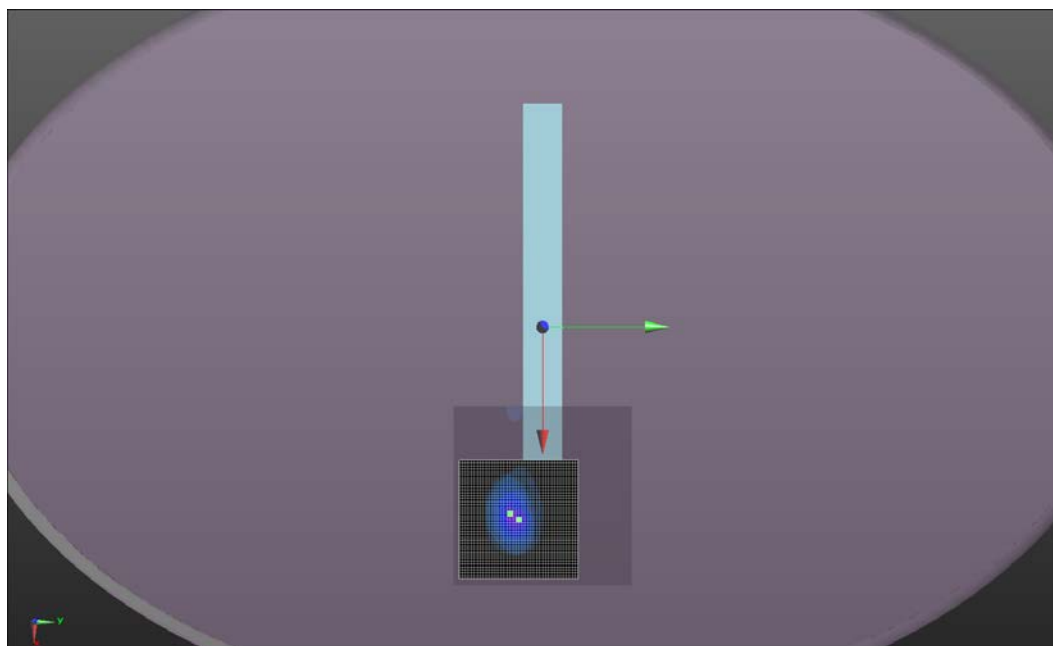
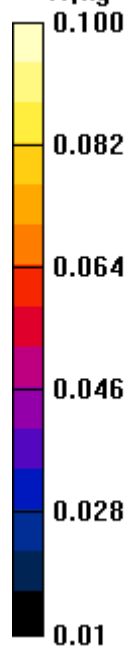
Maximum value of SAR (measured) = 0.0339 W/kg



Approved By

Test 126

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	39.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 136

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0864 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

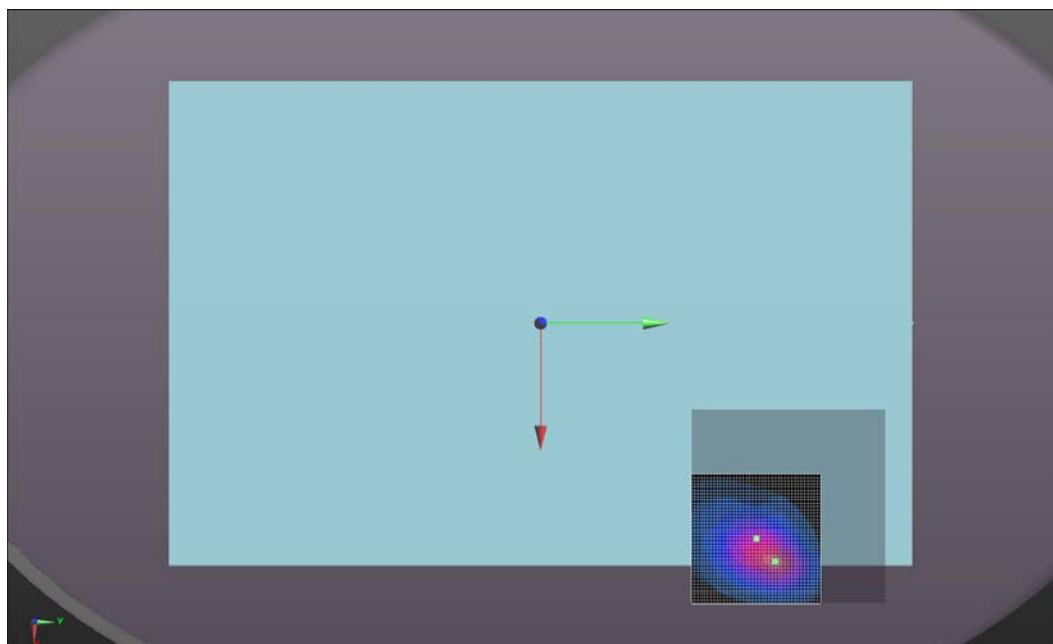
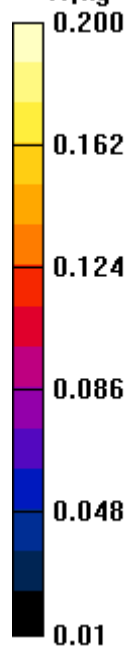
Maximum value of SAR (interpolated) = 0.132 W/kg




Approved By

Test 136

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23.1
Serial Number:	008	Humidity (%RH):	40.8
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 128

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

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

Reference Value = 14.519 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.302 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.276 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

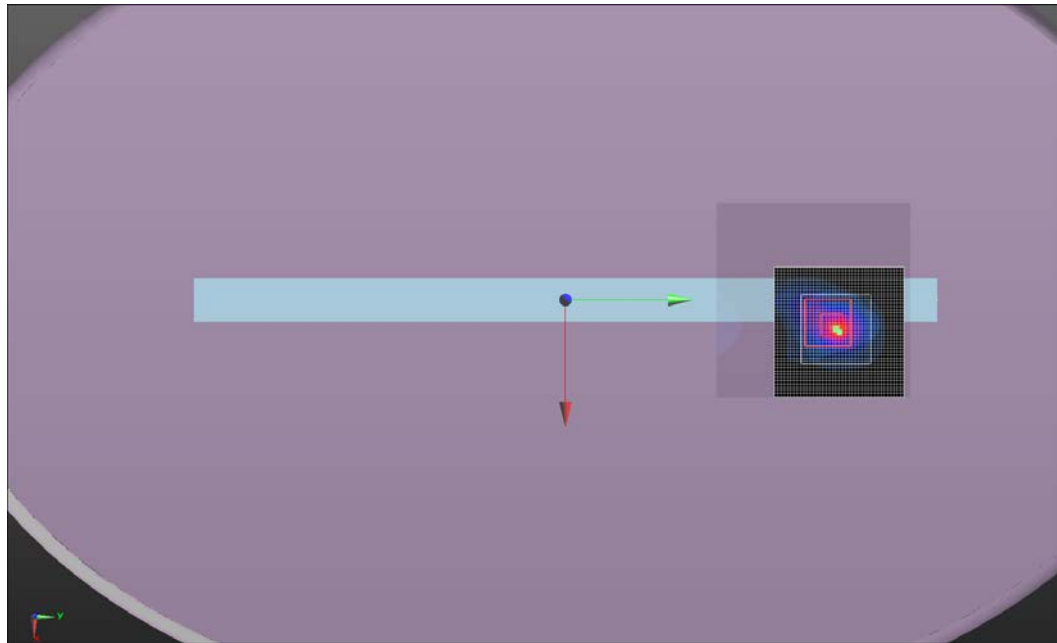
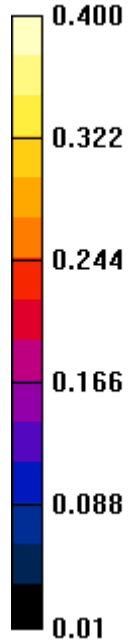
Maximum value of Total (measured) = 9.245 V/m

Maximum value of SAR (measured) = 0.132 W/kg




Approved By

Test 128
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	39.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 129

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0587 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

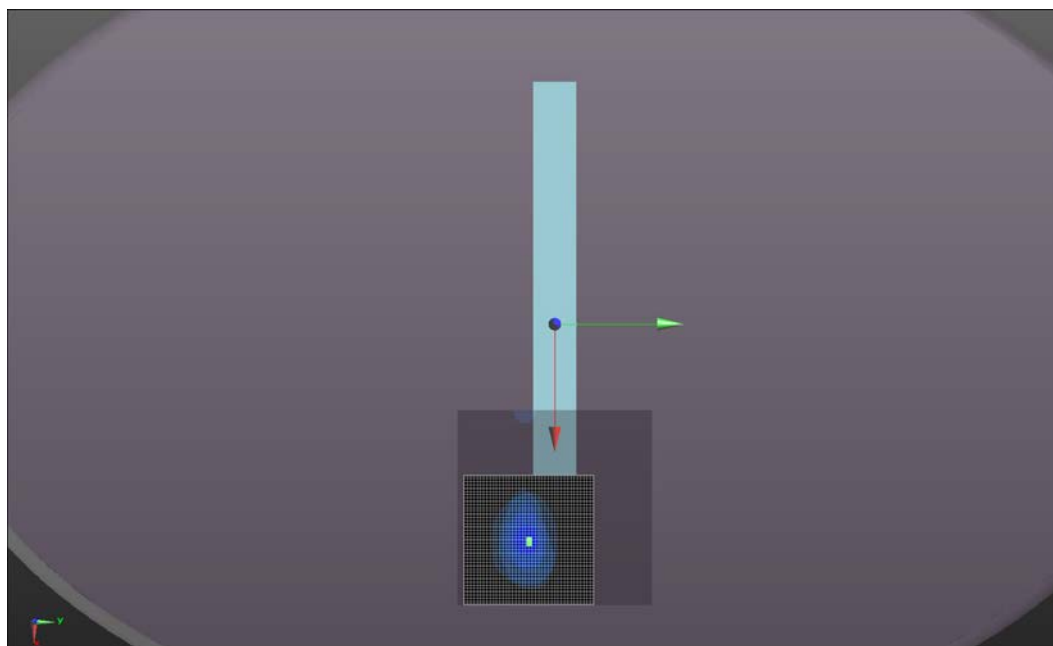
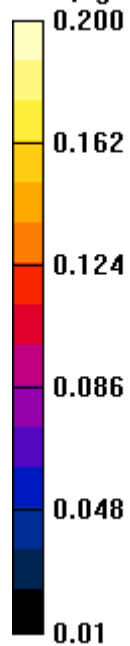
Maximum value of SAR (interpolated) = 0.0586 W/kg




Approved By

Test 129

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23.1
Serial Number:	008	Humidity (%RH):	40.8
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 130

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

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

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

Reference Value = 11.375 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.185 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.199 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

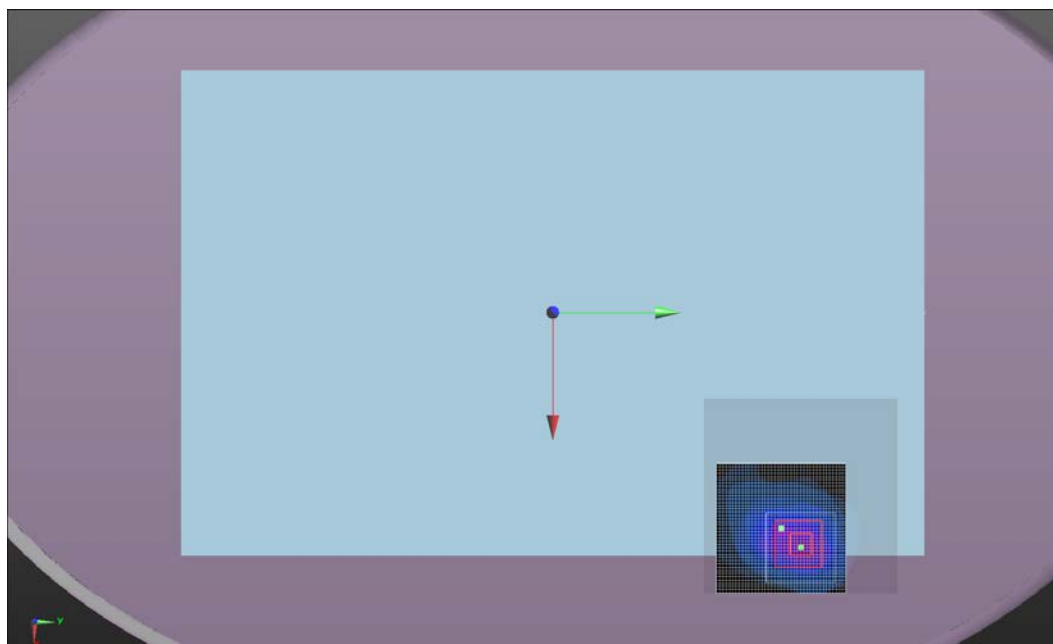
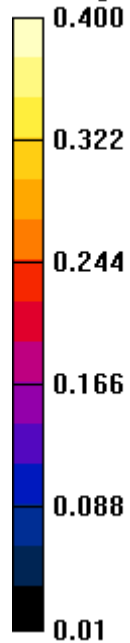
Maximum value of Total (measured) = 8.706 V/m

Maximum value of SAR (measured) = 0.117 W/kg




Approved By

Test 130
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1021
Comments:	None		

Test 134

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0550 W/kg

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

Reference Value = 9.006 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.116 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.116 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.101 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 5.848 V/m

Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

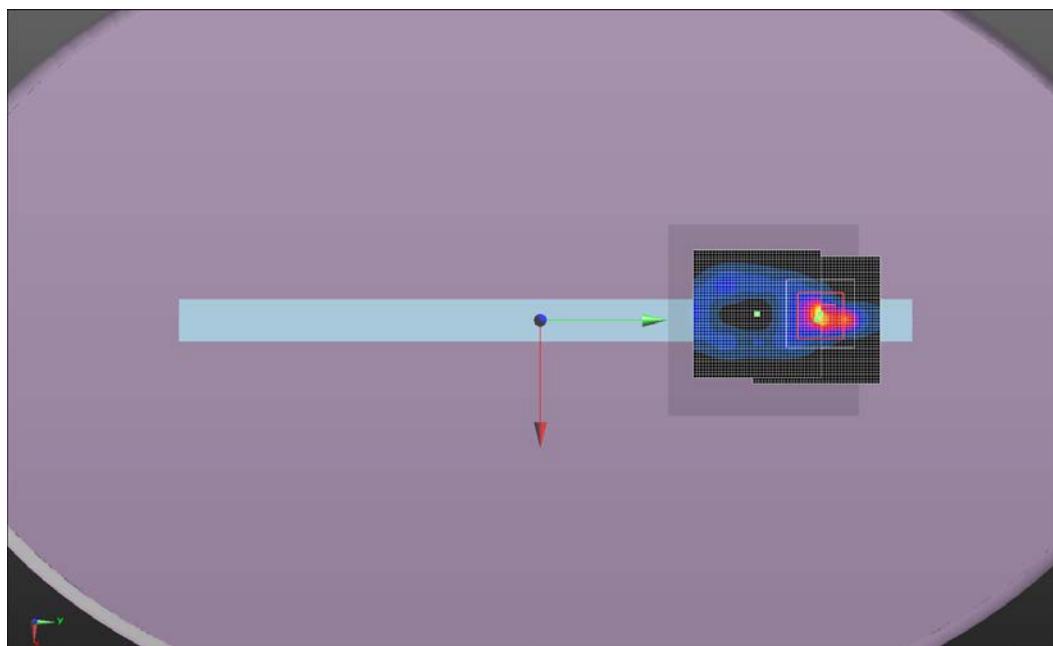
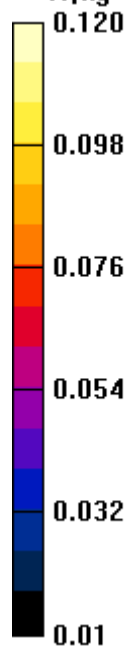
Maximum value of SAR (measured) = 0.101 W/kg



Approved By

Test 134

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1021
Comments:	None		

Test 135

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0434 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0599 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

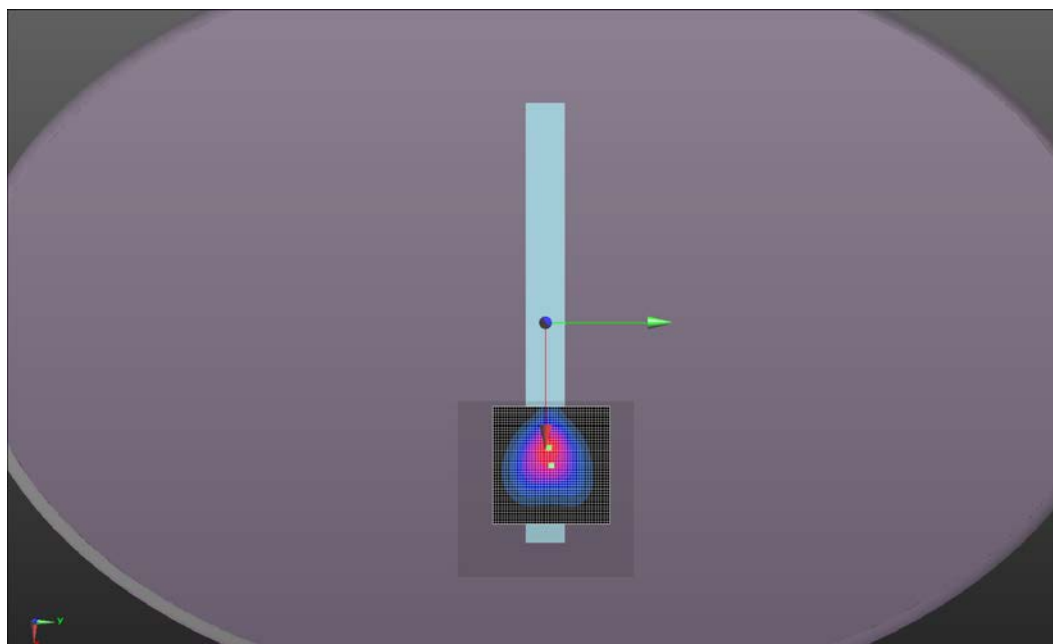
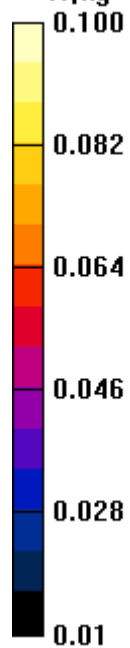
Maximum value of SAR (measured) = 0.0520 W/kg



Approved By

Test 135

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	39.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	1 down 1 up		

Test 127

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.648 W/kg

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

Reference Value = 22.824 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.737 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.720 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

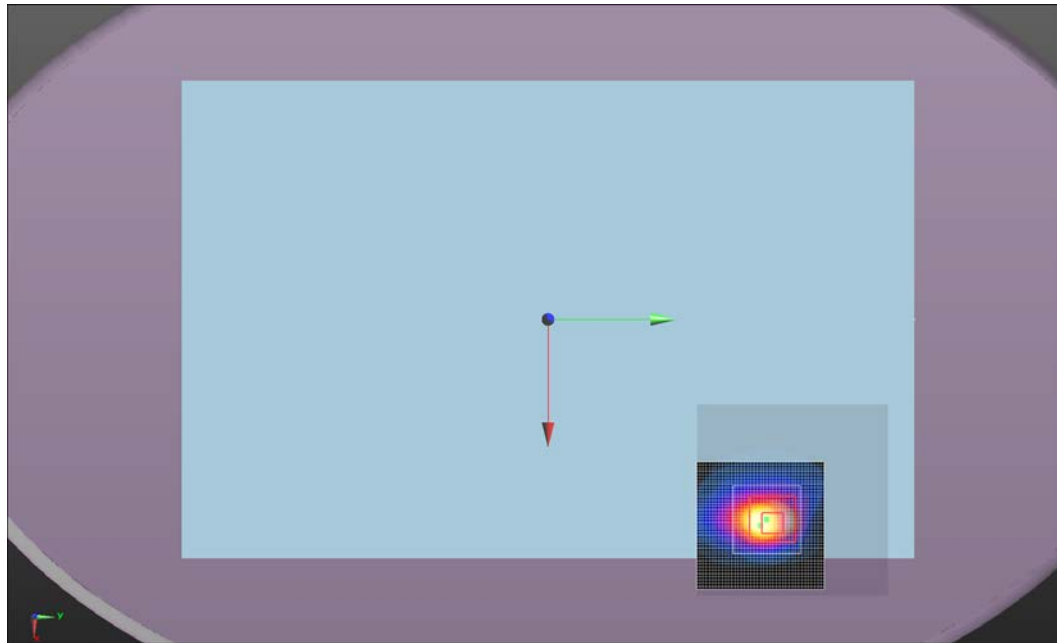
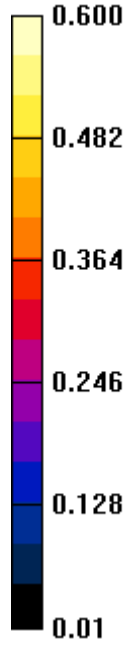
Maximum value of Total (measured) = 15.28 V/m

Maximum value of SAR (measured) = 0.361 W/kg




Approved By

Test 127
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	39.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	1 down 2 up		

Test 127b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 1.31 W/kg

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

Reference Value = 32.662 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.524 W/kg

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 21.76 V/m

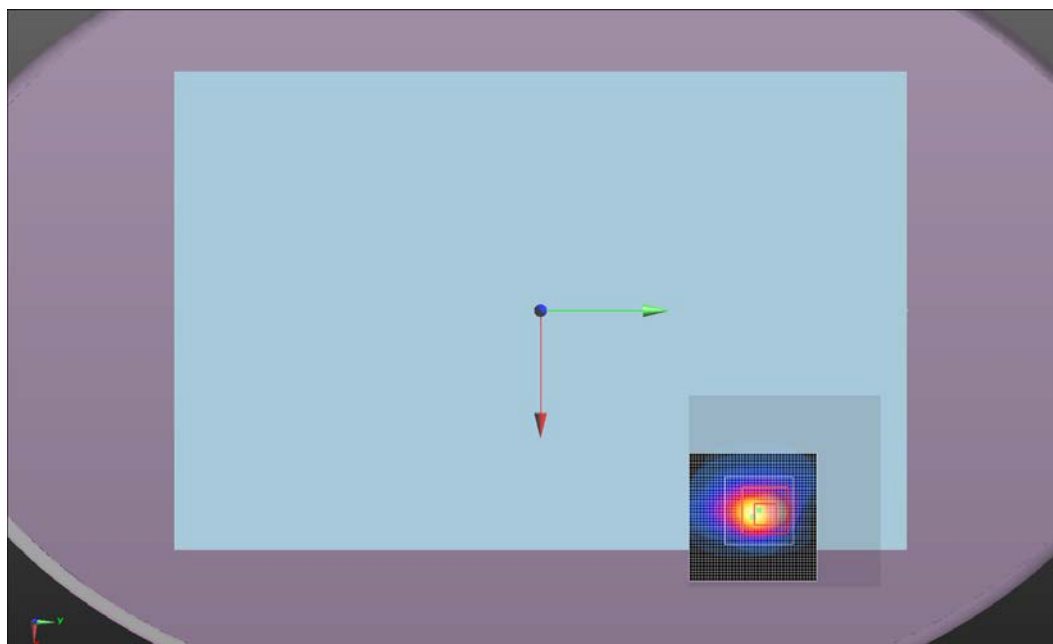
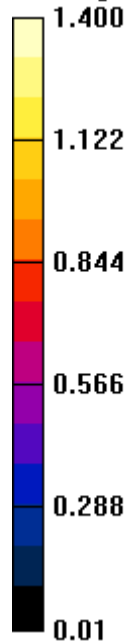
Maximum value of SAR (measured) = 0.732 W/kg




Approved By

Test 127b

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.4
Date:	5/15/2014	Liquid Temperature (°C):	20.7
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1017
Comments:	None		

Test 137

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0750 W/kg

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

Reference Value = 10.743 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.164 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.204 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 7.319 V/m

Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

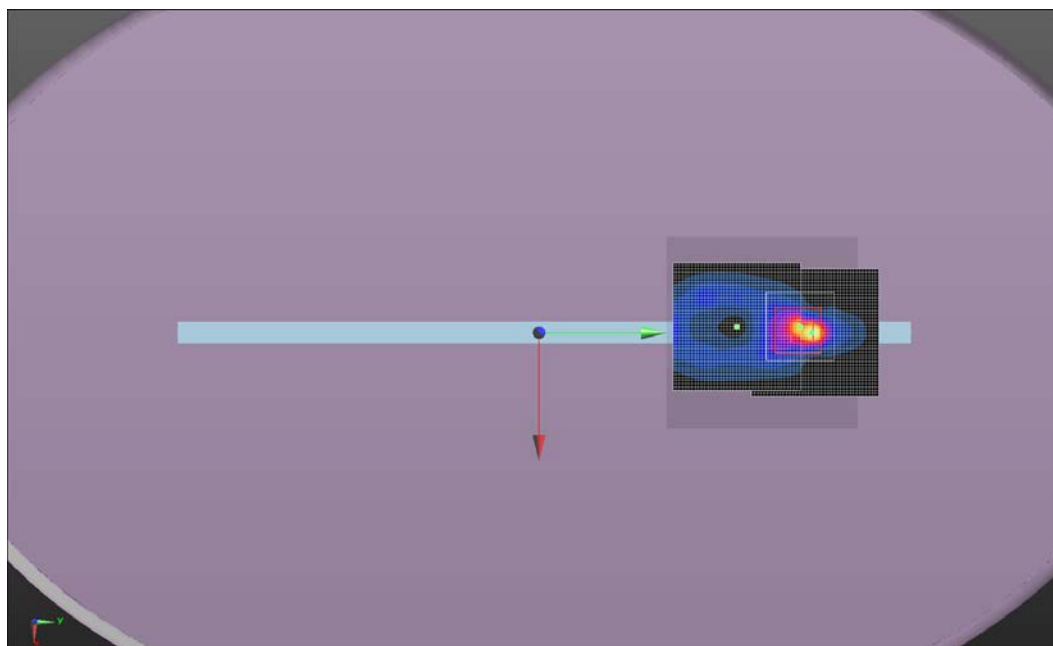
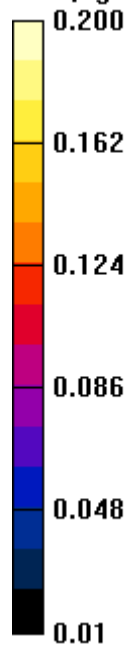
Maximum value of SAR (measured) = 0.199 W/kg



Approved By

Test 137

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	39.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 138

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0728 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0963 W/kg

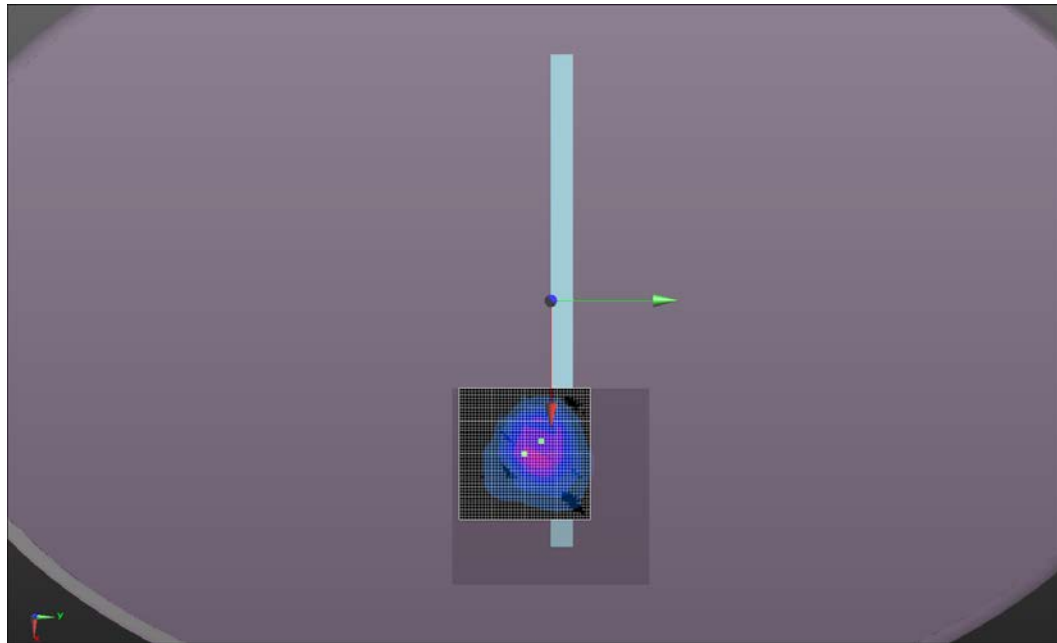
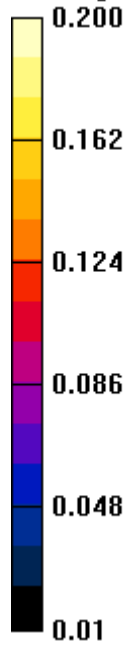
Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0792 W/kg

 
Approved By

Test 138

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.4
Date:	5/15/2014	Liquid Temperature (°C):	20.7
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1017
Comments:	None		

Test 139

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.644 W/kg

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

Reference Value = 32.106 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.454 W/kg

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 20.66 V/m

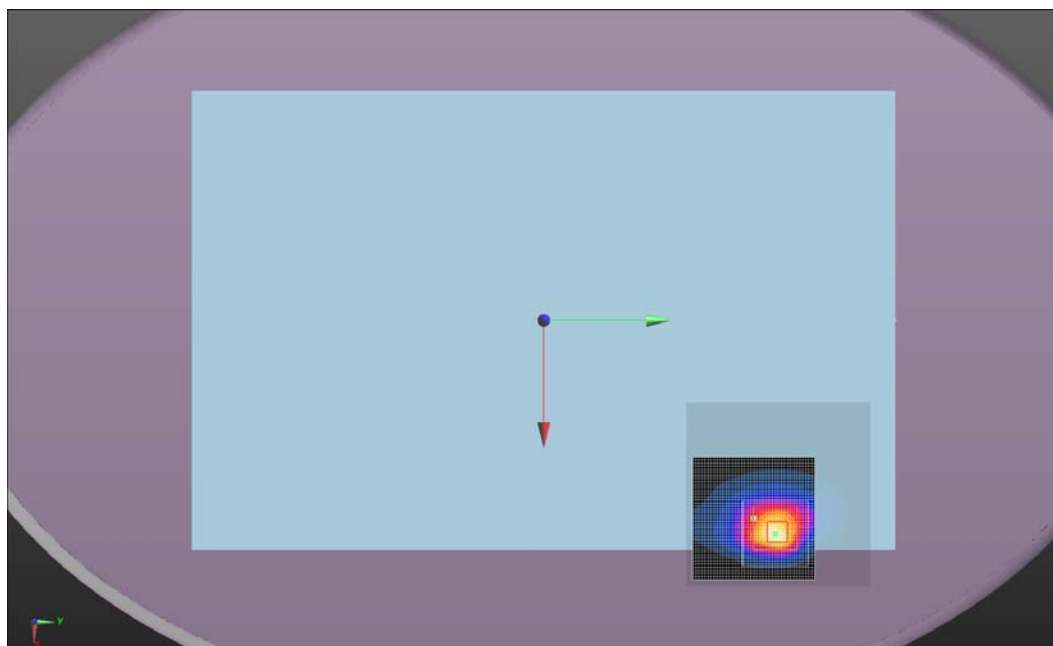
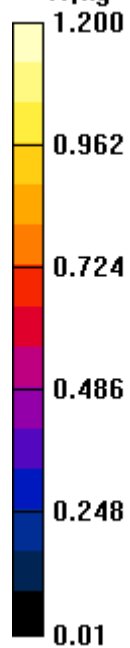
Maximum value of SAR (measured) = 0.659 W/kg



Approved By

Test 139

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23.1
Serial Number:	008	Humidity (%RH):	40.8
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 139a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1852.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.506$ S/m; $\epsilon_r = 53.479$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.701 W/kg

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

Reference Value = 32.470 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.465 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.45 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.42 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

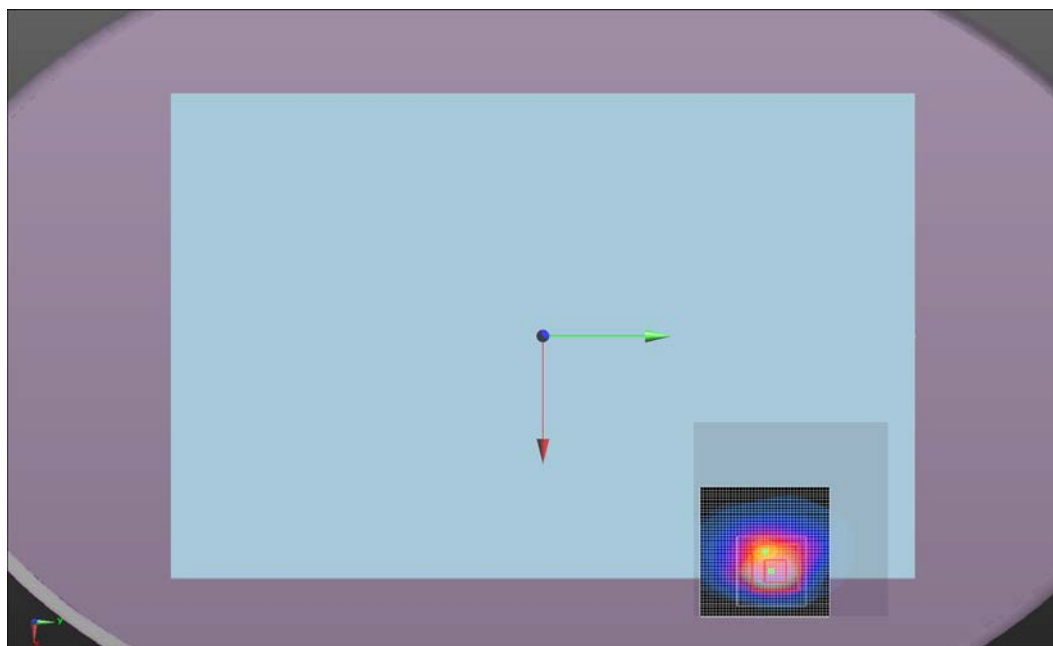
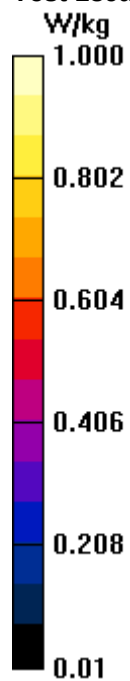
Maximum value of Total (measured) = 20.89 V/m

Maximum value of SAR (measured) = 0.657 W/kg




Approved By

Test 139a



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	23.1
Serial Number:	008	Humidity (%RH):	40.8
Configuration:	INTE5453-1	Bar. Pressure (mb):	1016
Comments:	None		

Test 139b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1907.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.583$ S/m; $\epsilon_r = 53.499$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.689 W/kg

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

Reference Value = 30.374 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.448 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.34 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.39 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

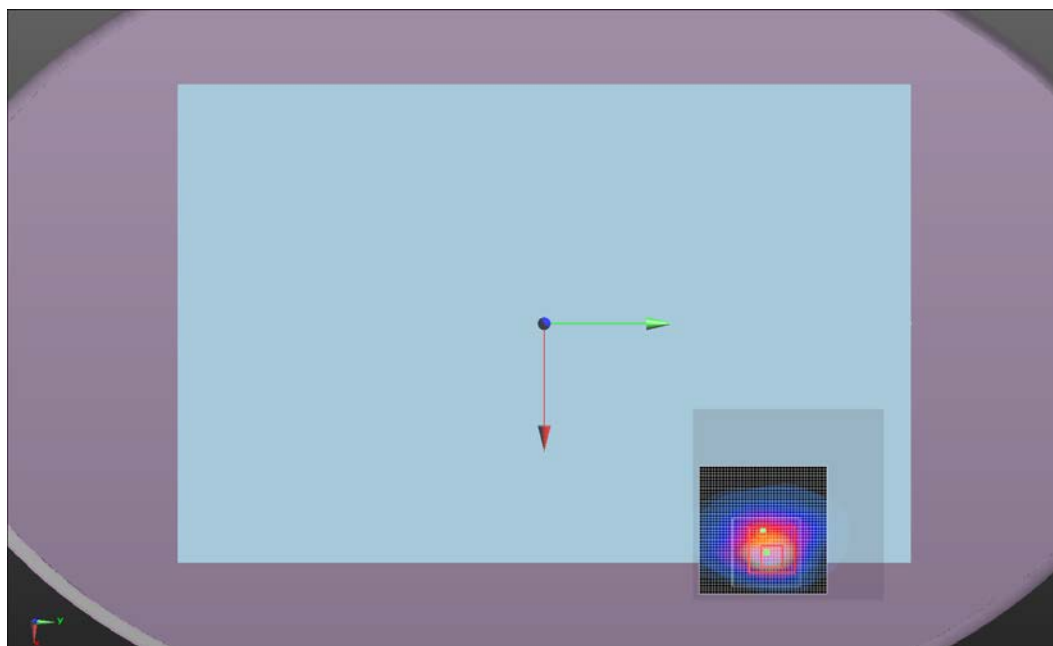
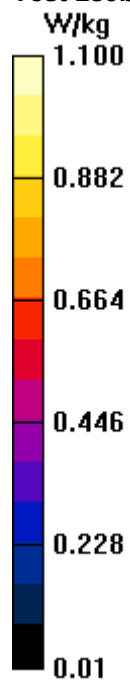
Maximum value of Total (measured) = 19.64 V/m

Maximum value of SAR (measured) = 0.611 W/kg

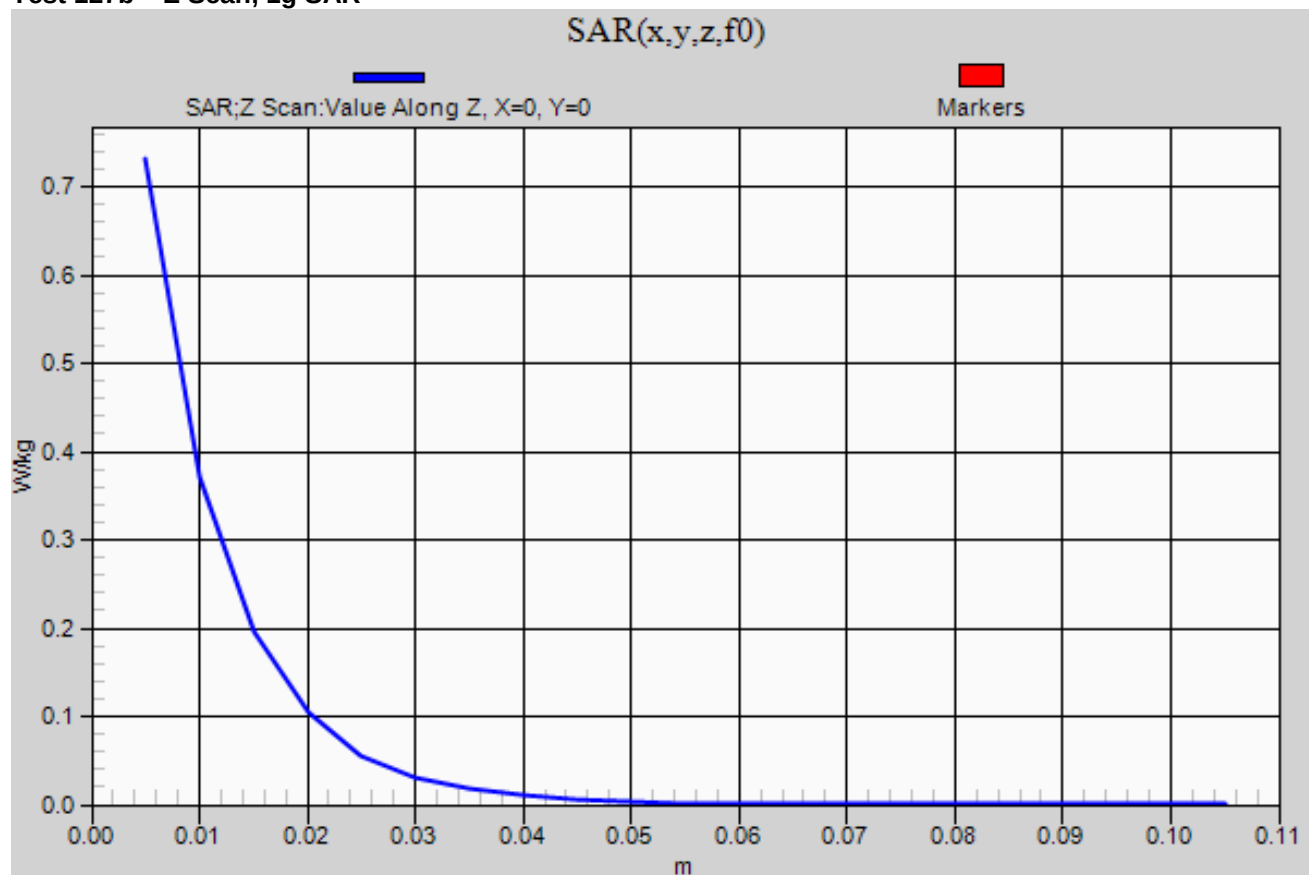



Approved By

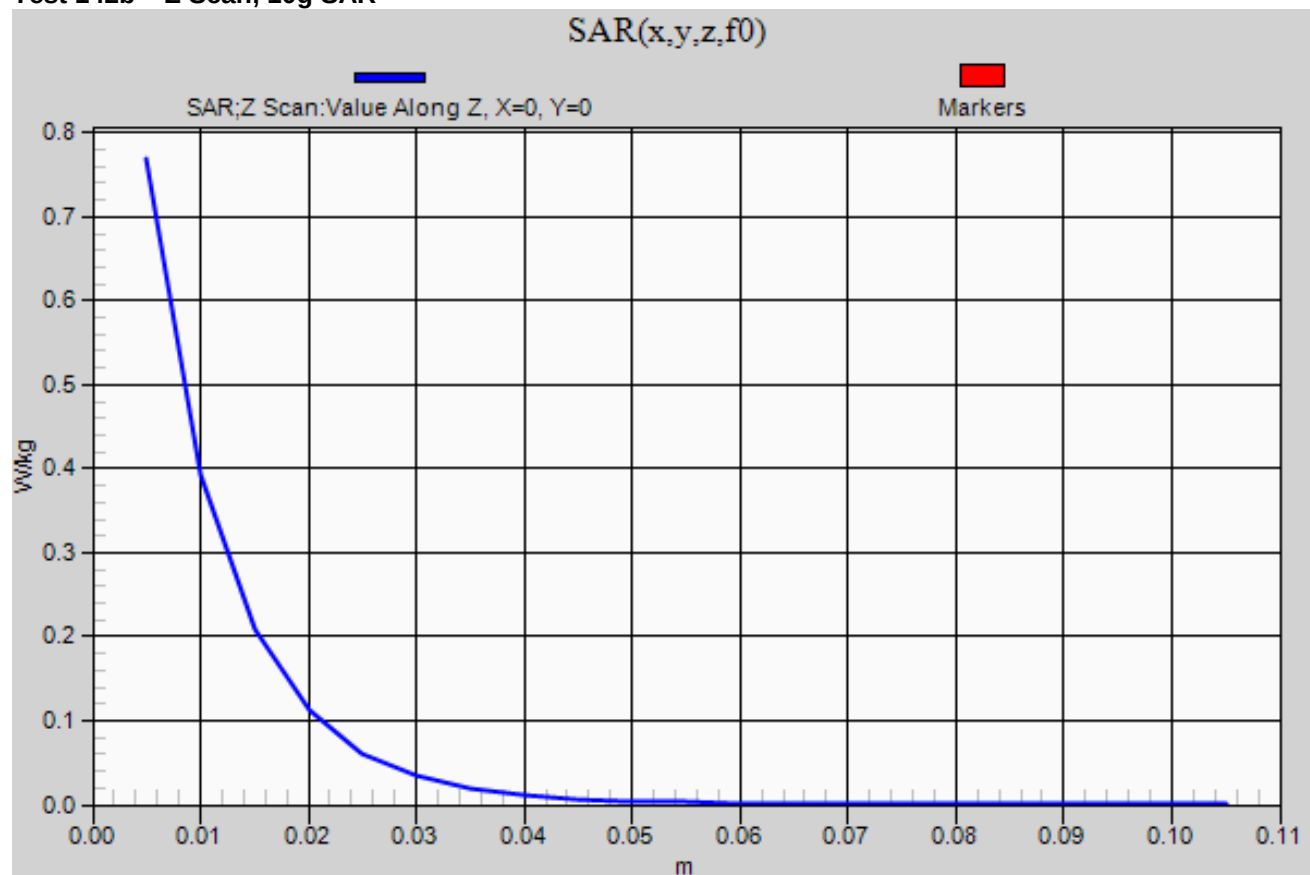
Test 139b



Test 127b – Z Scan, 1g SAR



Test 142b – Z Scan, 10g SAR



EUT:	WSBUB-SDS	Work Order:	INTE5453
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	Mike Lowe, Bill Jones	Customer Project:	None

TEST SPECIFICATIONS

Specification:	Method:
FCC 2.1093:2014	IEEE Std 1528:2003 FCC KDB 447498 D01 v05r02 FCC KDB 941225 D01 v02, D03 v01 and D05 v02r03 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 and D02 v01r01

COMMENTS

0 mm spacing between the phantom and the EUT. Tested at low output power.

DEVIATIONS FROM TEST STANDARD

None

RESULTS

Test Configuration	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Transmit Mode	Data Rate (Mbps)	Distance	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Top	0.06	0.14	0.08	131
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Right	N/A	0.02	0.02	132
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tablet	Back	-0.03	0.14	0.08	133
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Top	0.04	0.14	0.07	140
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Right	N/A	0.01	0.01	141
Body	AWS	1735.4	1427	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	-0.05	1.12	0.51	142
Body	AWS	1712.4	1312	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	-0.03	0.99	0.46	142a
Body	AWS	1756.6	1513	WCDMA	12.2 kbps RMC / Test Loop 1	0 mm	Tent	Back	-0.01	1.14	0.52	142b

Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 131

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.126 W/kg

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

Reference Value = 10.795 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.076 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.173 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.207 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 8.076 V/m

Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

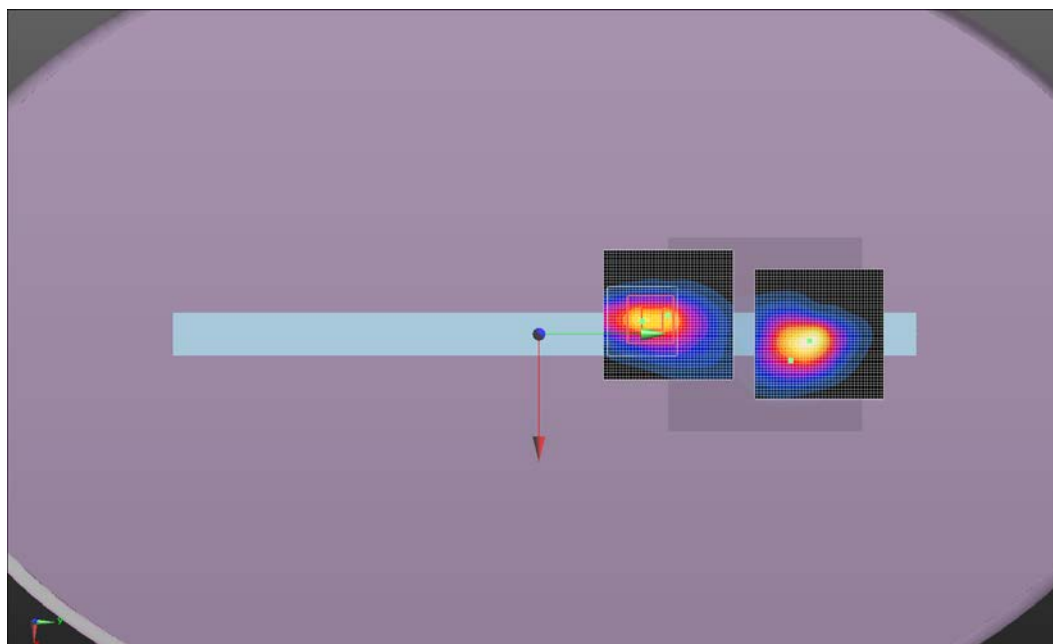
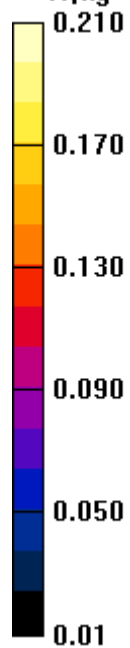
Maximum value of SAR (measured) = 0.178 W/kg



Approved By

Test 131

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 132

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0149 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0184 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

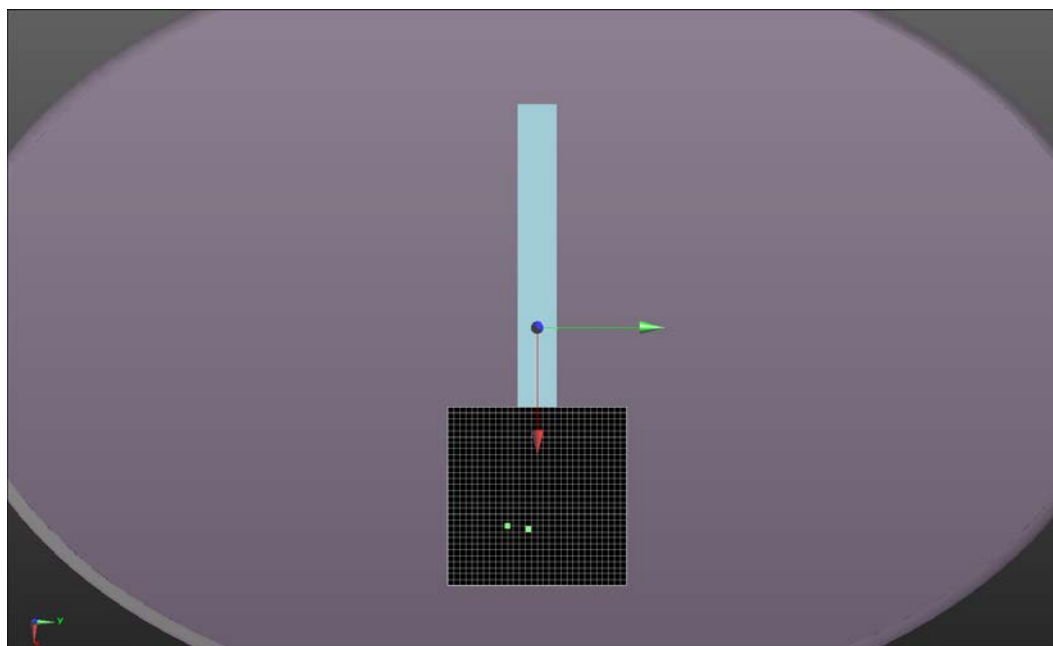
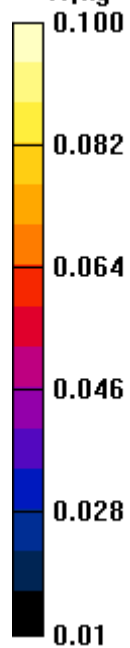
Maximum value of SAR (measured) = 0.0152 W/kg



Approved By

Test 132

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/16/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 133

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.143 W/kg

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

Reference Value = 11.040 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.084 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.169 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.173 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 8.453 V/m

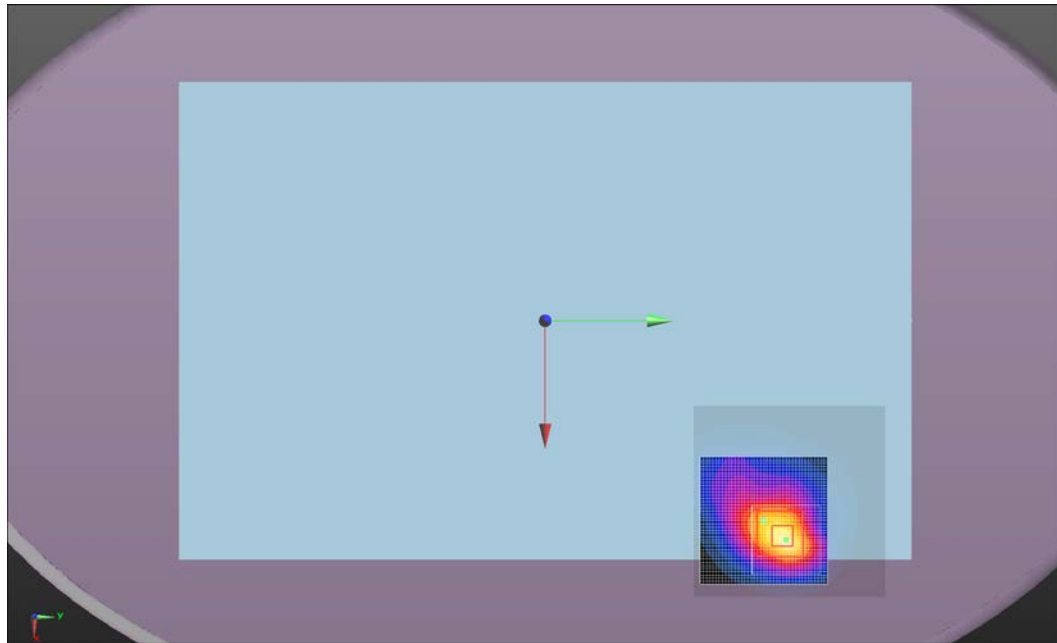
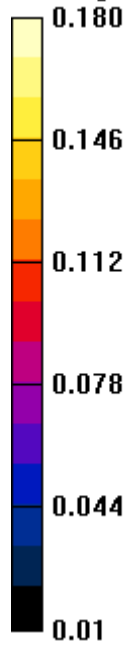
Maximum value of SAR (measured) = 0.108 W/kg



Approved By

Test 133

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 140

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x41x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.703 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.070 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.190 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.170 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.188 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 7.591 V/m

Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

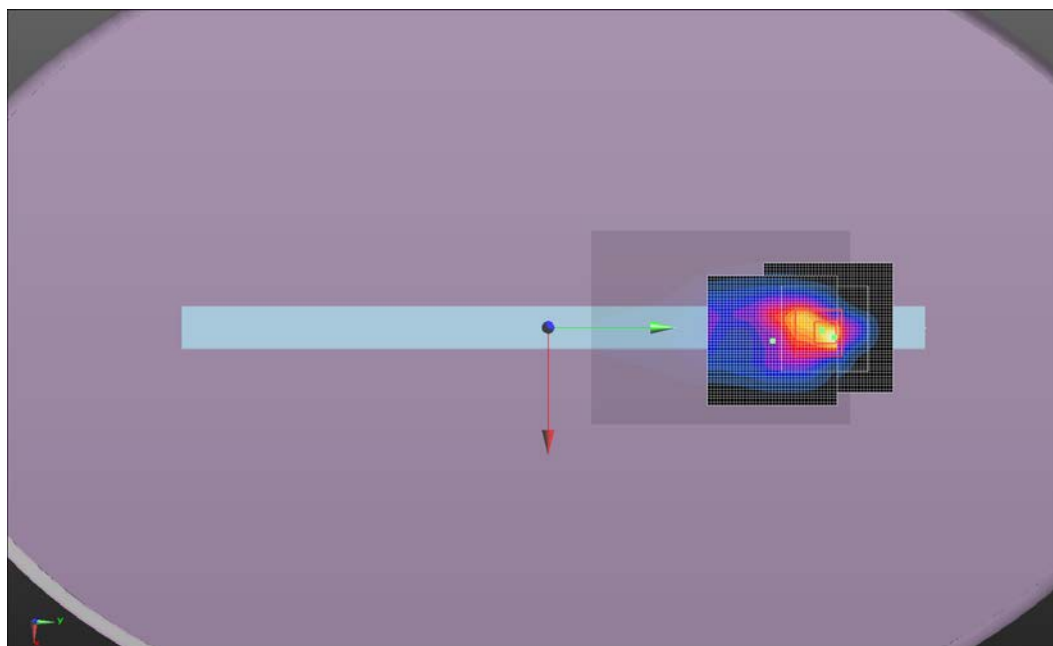
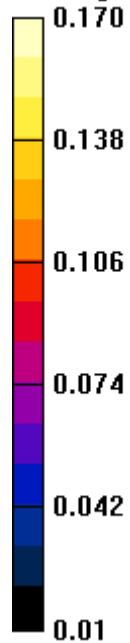
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.172 W/kg



Approved By

Test 140
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 141

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.00622 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.00584 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

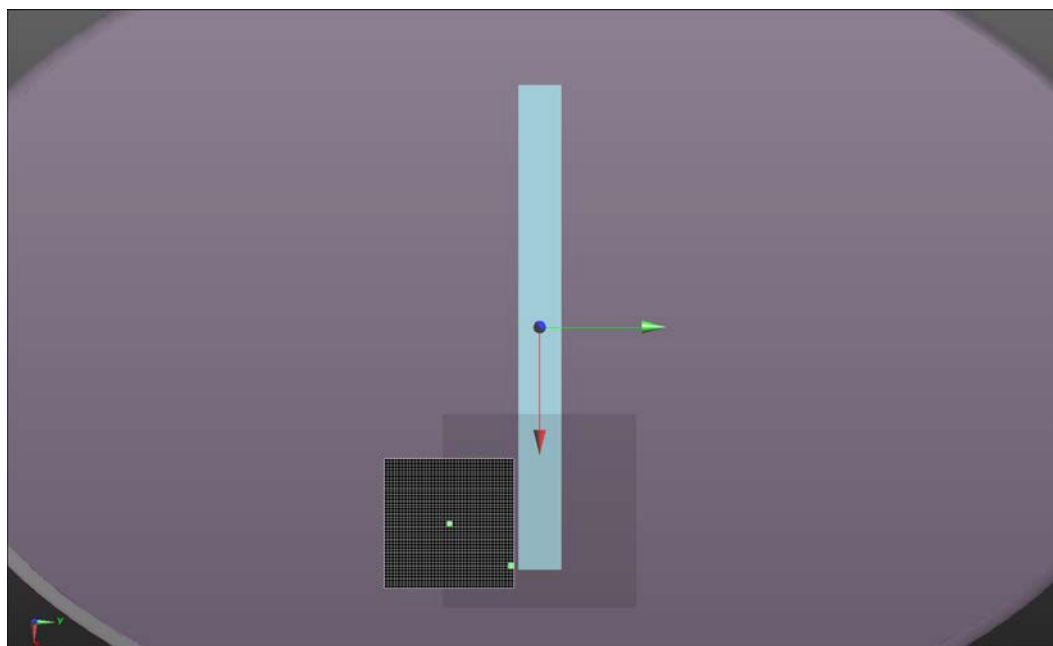
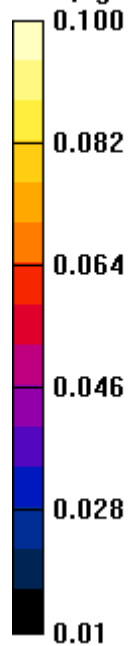
Maximum value of SAR (measured) = 0.00519 W/kg



Approved By

Test 141

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.3
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 142

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1735.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1735.4$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 55.356$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.668 W/kg

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

Reference Value = 32.673 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.514 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.48 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.72 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

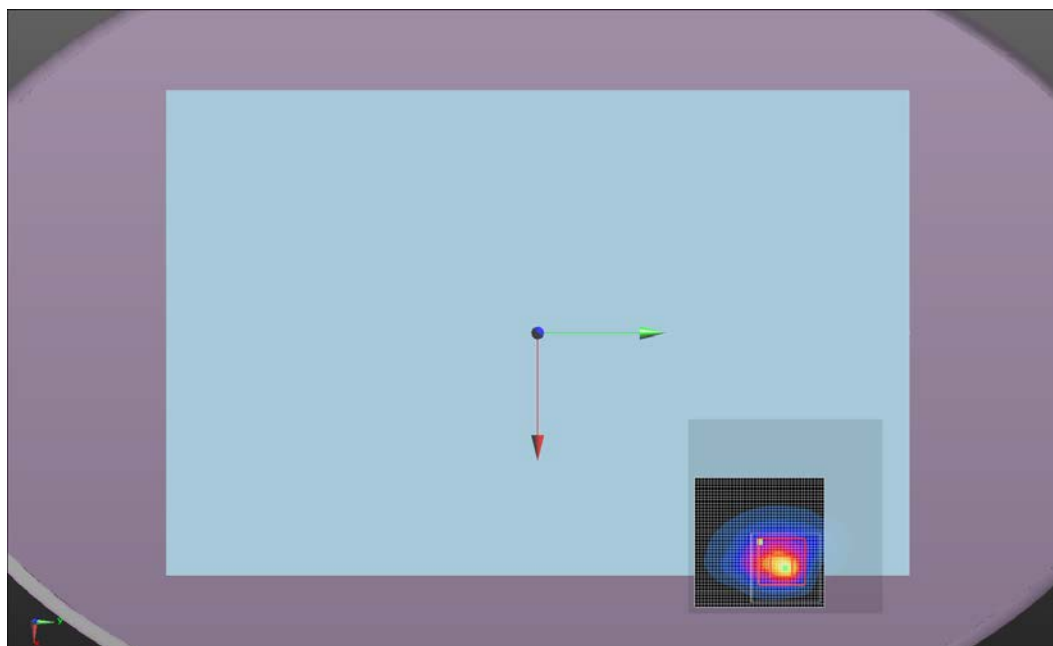
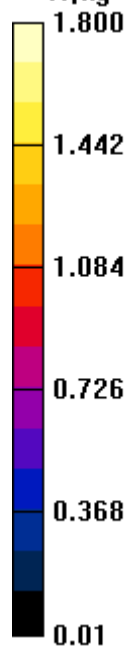
Maximum value of Total (measured) = 22.27 V/m

Maximum value of SAR (measured) = 0.749 W/kg



Approved By

Test 142
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.3
Date:	5/16/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 142a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1712.4 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.487$ S/m; $\epsilon_r = 55.436$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.589 W/kg

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

Reference Value = 30.964 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.456 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.31 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.54 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of Total (measured) = 21.28 V/m

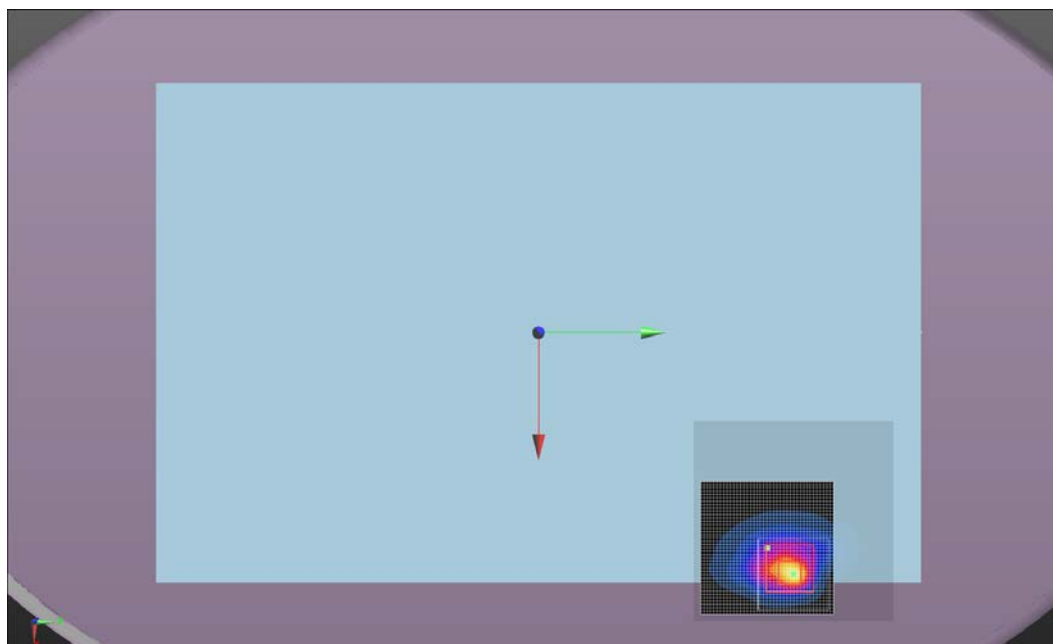
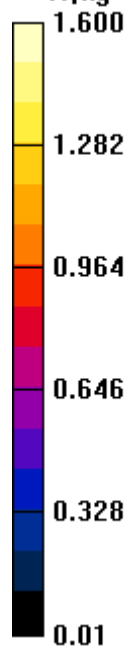
Maximum value of SAR (measured) = 0.674 W/kg



Approved By

Test 142a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/16/2014	Liquid Temperature (°C):	21.9
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1019
Comments:	None		

Test 142b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1756.6 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1756.6$ MHz; $\sigma = 1.531$ S/m; $\epsilon_r = 55.183$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.678 W/kg

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

Reference Value = 32.894 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.523 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.73 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

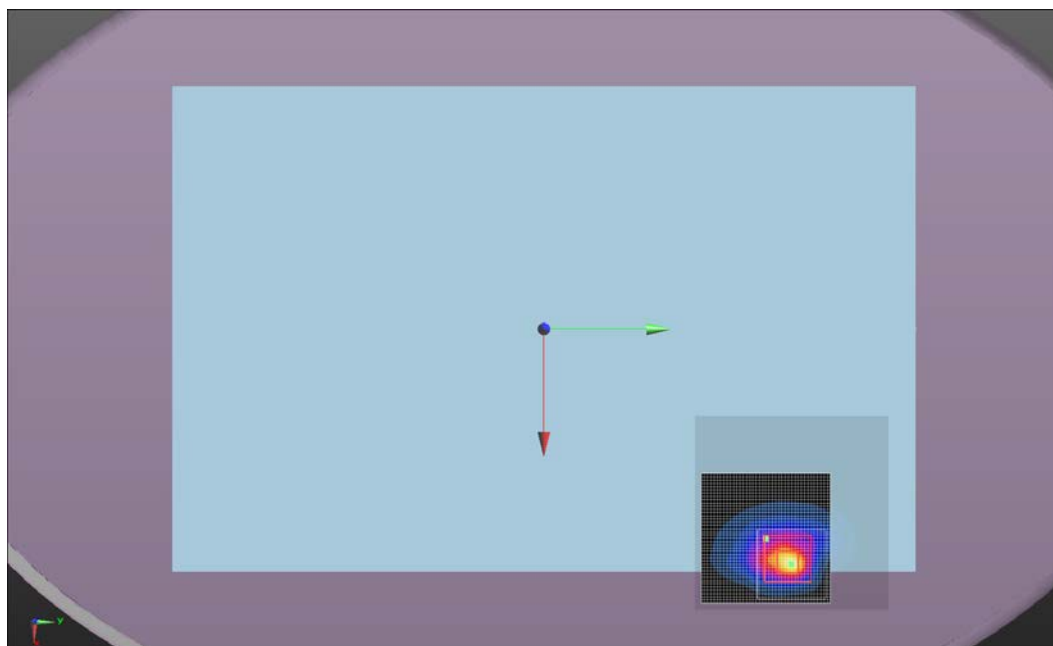
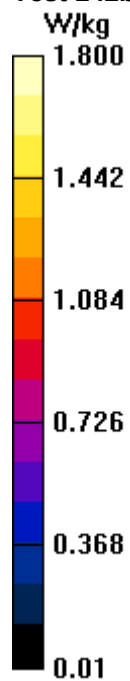
Maximum value of Total (measured) = 22.41 V/m

Maximum value of SAR (measured) = 0.769 W/kg

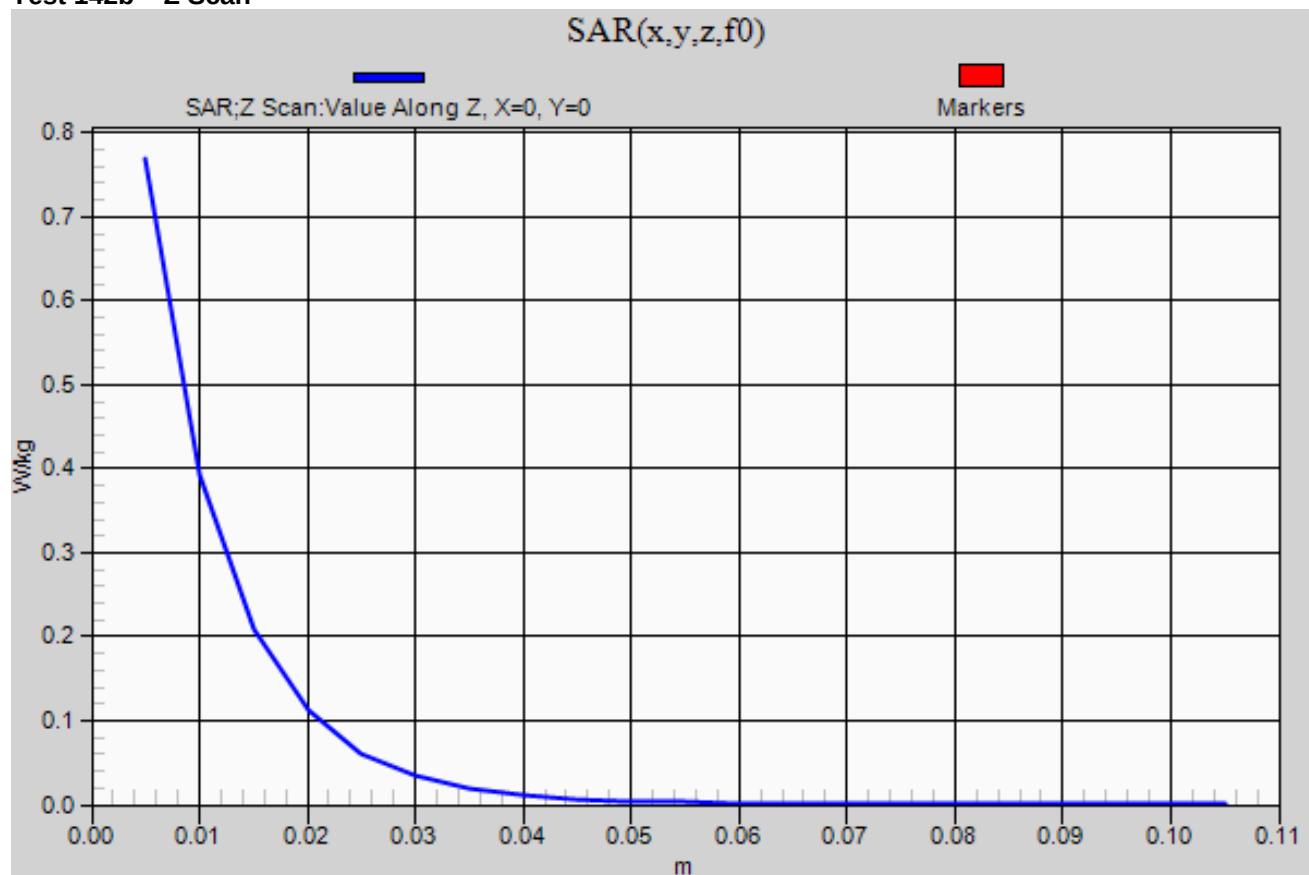


Approved By

Test 142b



Test 142b – Z Scan



EUT:	WSBUB-SDS	Work Order:	INTE5453
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	Mike Lowe, Bill Jones	Customer Project:	None

TEST SPECIFICATIONS

Specification:	Method:
FCC 2.1093:2014	IEEE Std 1528:2003 FCC KDB 447498 D01 v05r02 FCC KDB 941225 D01 v02, D03 v01 and D05 v02r03 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 and D02 v01r01

COMMENTS

0 mm spacing between the phantom and the EUT. Tested at low output power.

DEVIATIONS FROM TEST STANDARD

None

RESULTS

Test Configuration	Transmit Mode	Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Data Rate (Mbps)	Bandwidth	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Test #
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tablet	Top	0.00	0.23	0.11	1a
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tablet	Back	0.01	0.14	0.08	2b
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tablet	Right	N/A	0.05	0.05	3a
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tablet	Top	-0.02	0.18	0.08	4a
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tablet	Back	-0.03	0.10	0.06	5a
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tablet	Right	N/A	0.04	0.04	6a
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tent	Top	-0.24	0.14	0.06	7a
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tent	Back	-0.10	1.16	0.51	8d
Body	LTE	2	1880	18900	QPSK 1RB offset 0	20MHz	Tent	Back	-0.04	1.18	0.52	8e
Body	LTE	2	1900	19100	QPSK 1RB offset 0	20MHz	Tent	Back	-0.03	1.15	0.50	8f
Body	LTE	2	1860	18700	QPSK 1RB offset 0	20MHz	Tent	Right	N/A	0.06	0.06	9a
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tent	Top	-0.25	0.11	0.05	10a
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tent	Back	-0.02	0.90	0.40	11a
Body	LTE	2	1880	18900	QPSK 50RB offset 0	20MHz	Tent	Back	-0.03	0.91	0.40	11b
Body	LTE	2	1900	19100	QPSK 50RB offset 0	20MHz	Tent	Back	-0.06	0.89	0.39	11c
Body	LTE	2	1860	18700	QPSK 50RB offset 0	20MHz	Tent	Right	N/A	0.05	0.05	12a

Tested By:	Carl Engholm	Room Temperature (°C):	21.5
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	40
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 1a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.528$ S/m; $\epsilon_r = 53.232$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.222 W/kg

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

Reference Value = 14.856 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.311 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.304 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 9.951 V/m

Maximum value of SAR (measured) = 0.151 W/kg

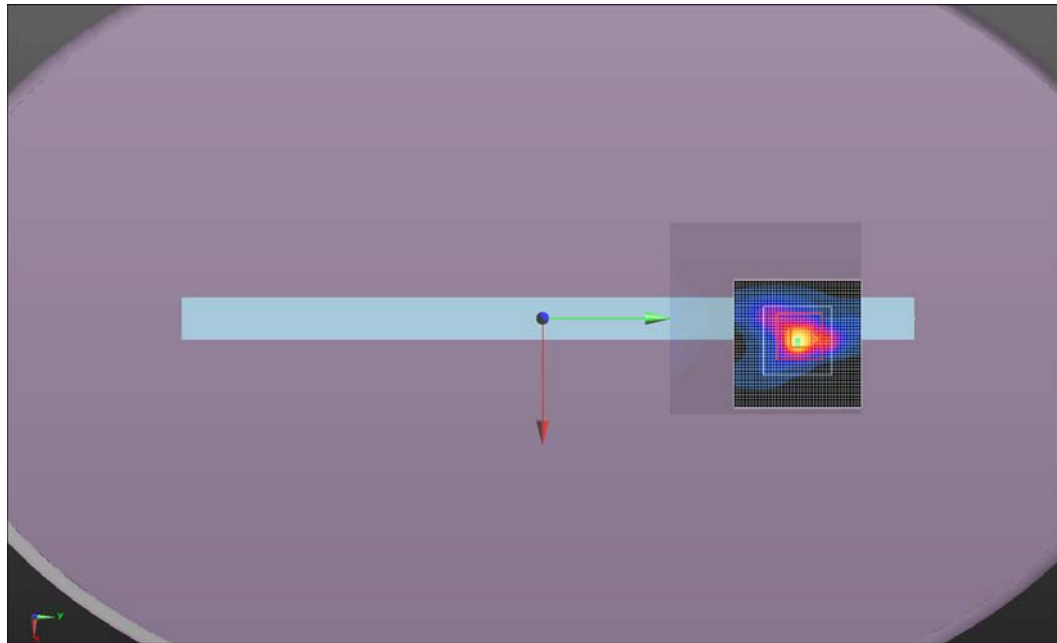
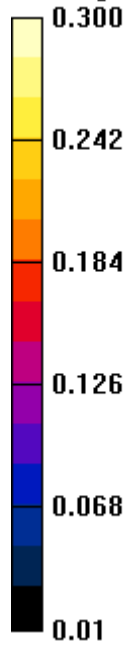


Approved By

WSTD.2013.09.09

Test 1a

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.4
Date:	5/9/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	41.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 2b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.122 W/kg

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

Reference Value = 10.717 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.161 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 8.258 V/m

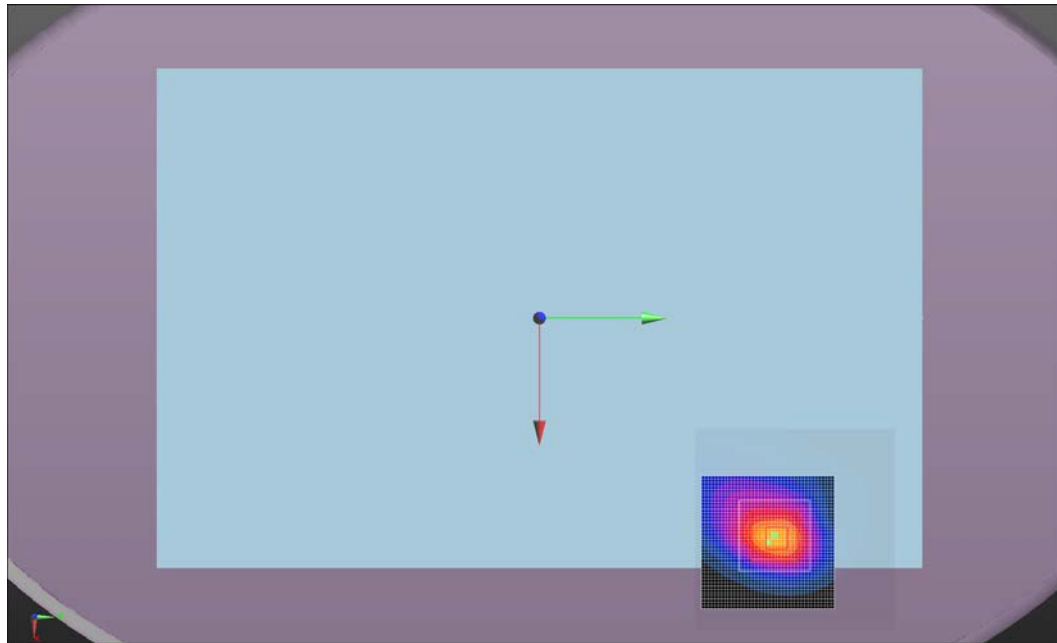
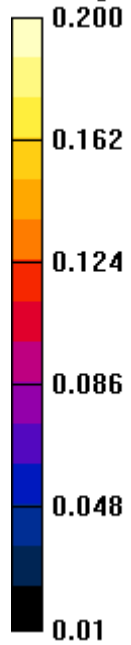
Maximum value of SAR (measured) = 0.103 W/kg




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Test 2b

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/9/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	35.9
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 3a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0274 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0505 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

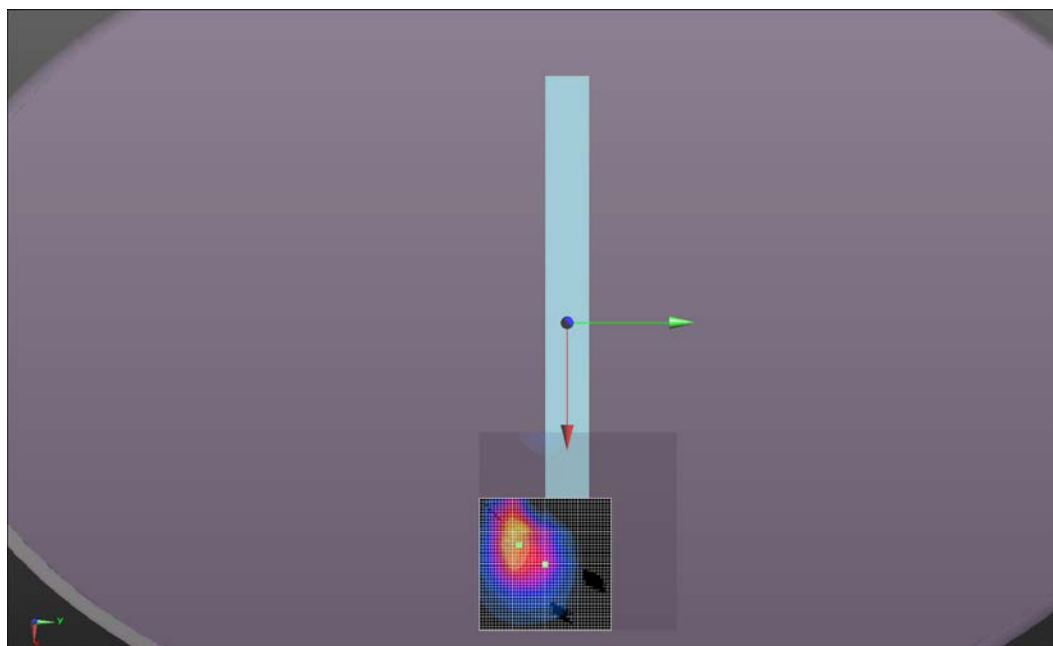
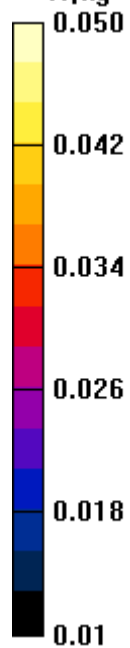
Maximum value of SAR (measured) = 0.0412 W/kg




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Test 3a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	21.5
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	40
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 4a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.528$ S/m; $\epsilon_r = 53.232$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.166 W/kg

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

Reference Value = 12.871 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.233 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 8.604 V/m

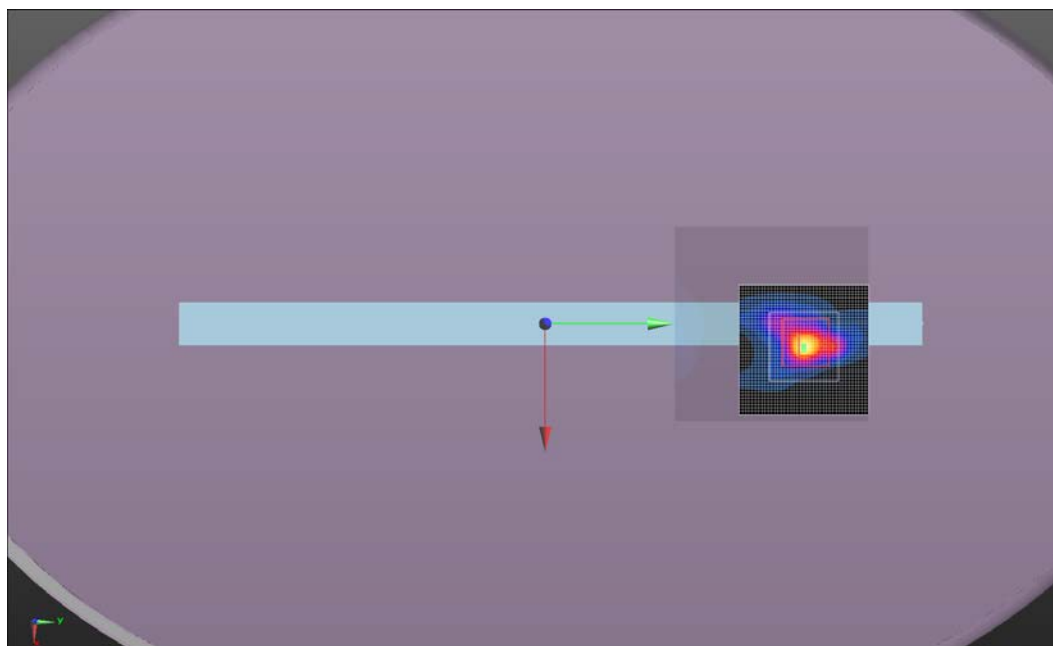
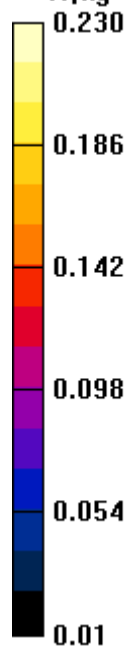
Maximum value of SAR (measured) = 0.113 W/kg



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Test 4a

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.4
Date:	5/9/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	41.5
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 5a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0881 W/kg

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

Reference Value = 9.493 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.124 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.126 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

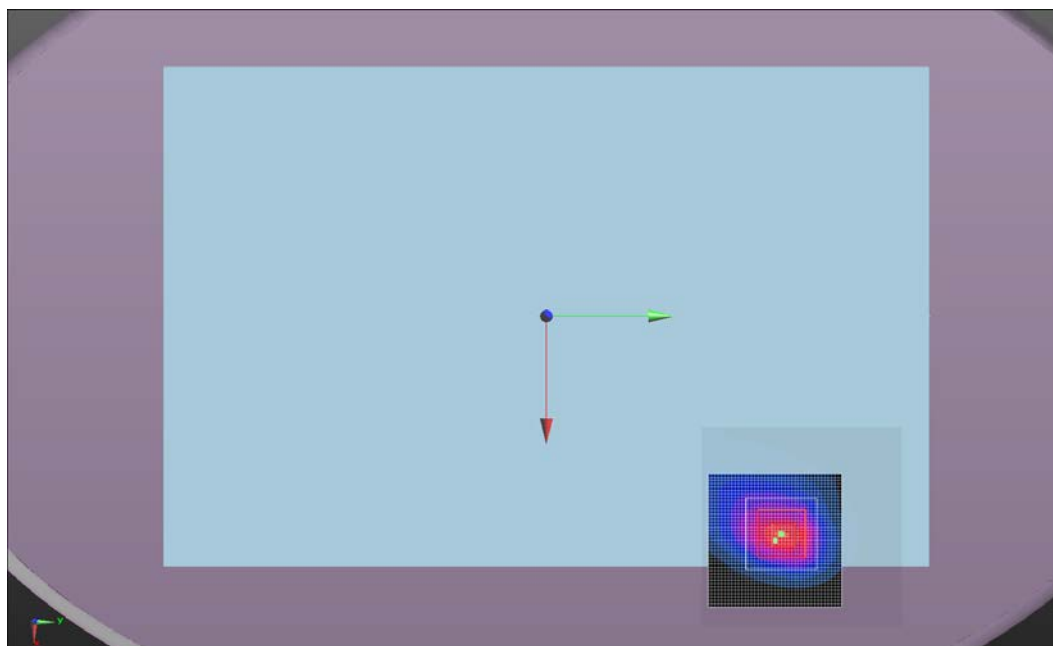
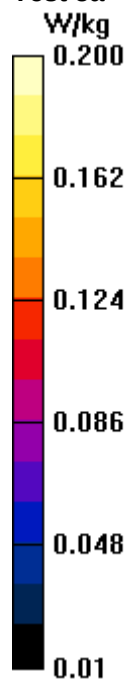
Maximum value of Total (measured) = 7.284 V/m

Maximum value of SAR (measured) = 0.0804 W/kg




Approved By

Test 5a



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/9/2014	Liquid Temperature (°C):	21.6
Serial Number:	026	Humidity (%RH):	35.9
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 6a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 026

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0210 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0390 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

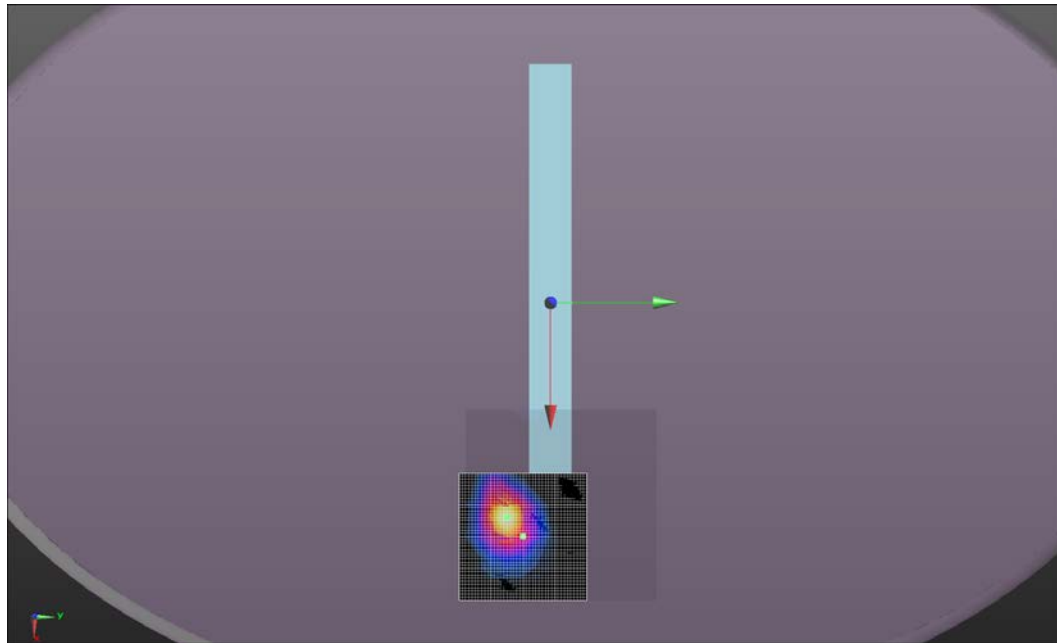
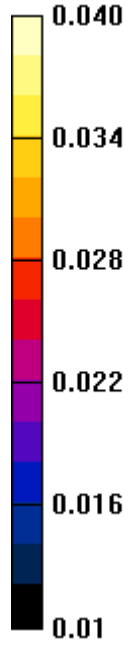
Maximum value of SAR (measured) = 0.0267 W/kg




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Test 6a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/8/2014	Liquid Temperature (°C):	21.1
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 7a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.528$ S/m; $\epsilon_r = 53.232$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0752 W/kg

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

Reference Value = 11.817 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.199 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.206 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 7.914 V/m

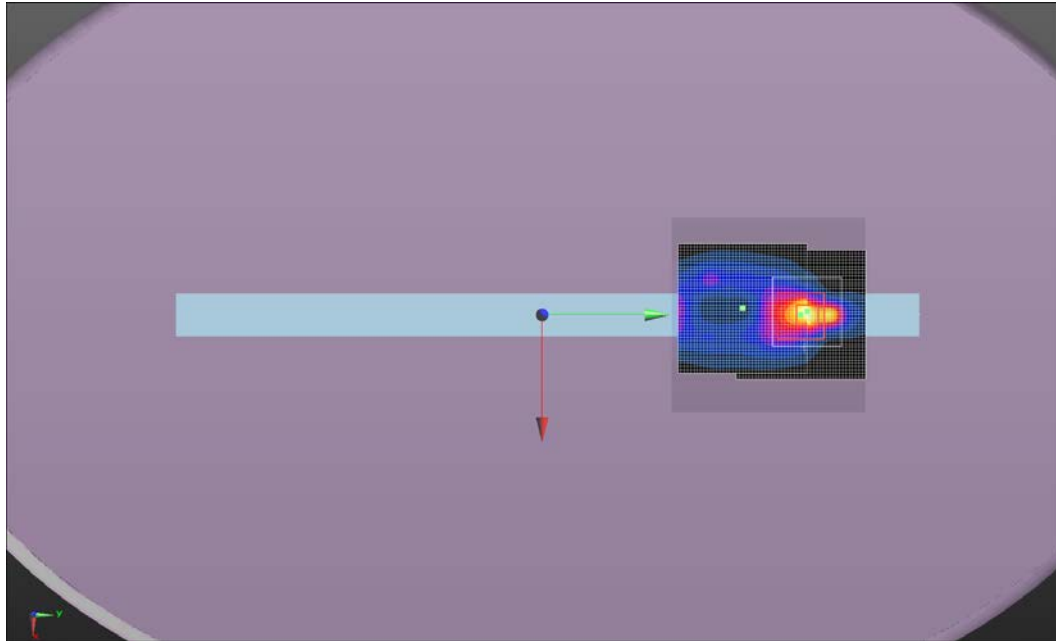
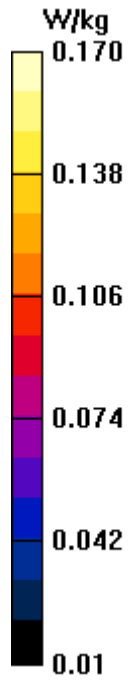
Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.206 W/kg



Approved By

Test 7a



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.1
Date:	5/9/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 8d

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

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

Reference Value = 33.158 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.514 W/kg

Maximum value of SAR (measured) = 1.55 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 21.48 V/m

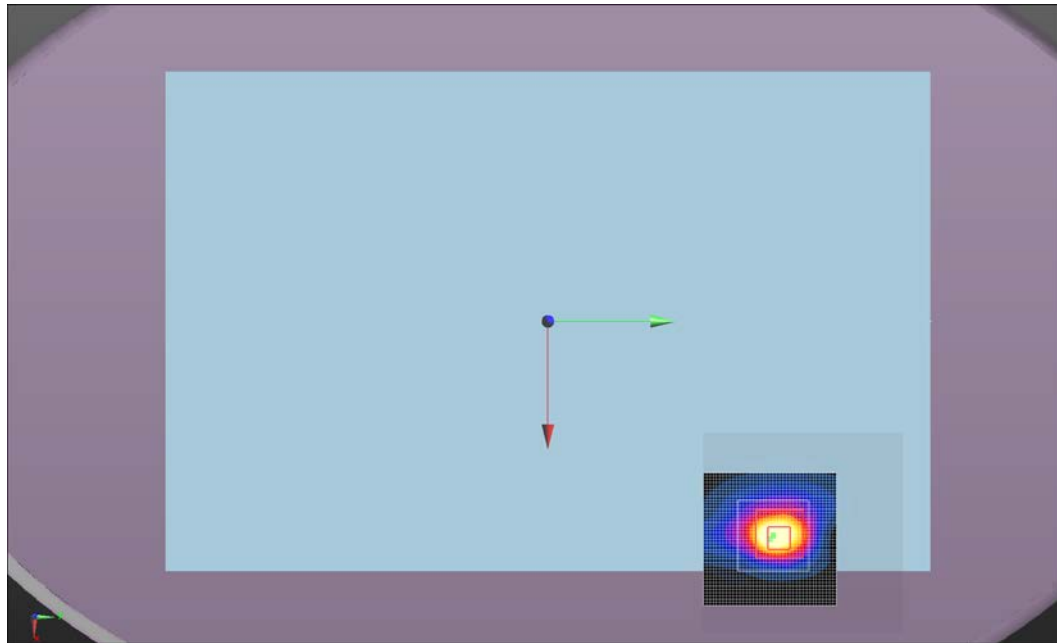
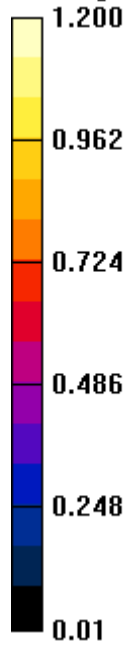
Maximum value of SAR (measured) = 0.699 W/kg




Approved By

Test 8d

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.1
Date:	5/9/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 8e

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.653 W/kg

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

Reference Value = 33.233 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.520 W/kg

Maximum value of SAR (measured) = 1.57 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 21.57 V/m

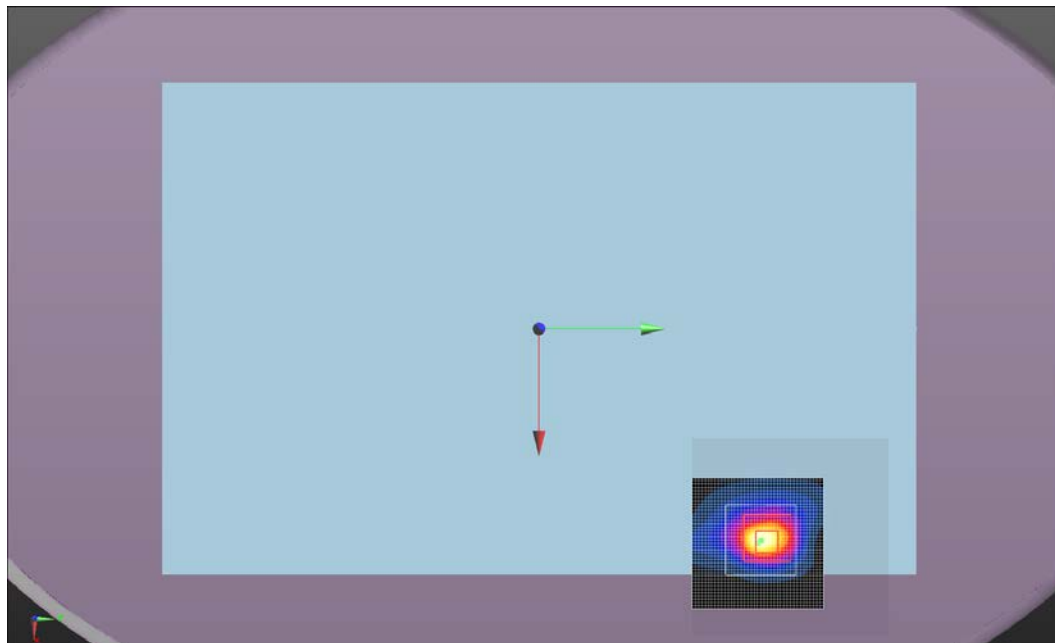
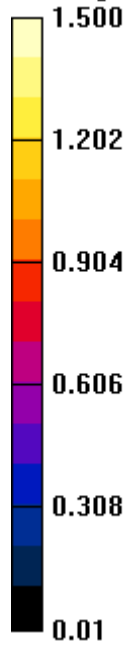
Maximum value of SAR (measured) = 0.719 W/kg




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Test 8e

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.1
Date:	5/9/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 8f

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 53.431$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.633 W/kg

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

Reference Value = 32.738 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.505 W/kg

Maximum value of SAR (measured) = 1.55 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 21.16 V/m

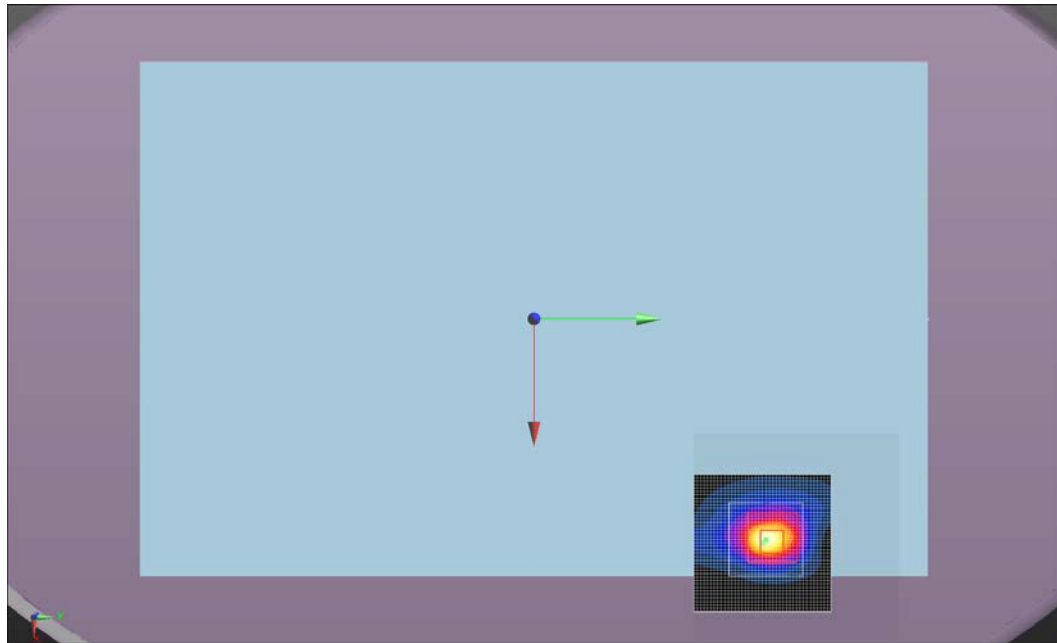
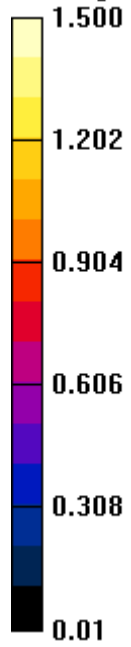
Maximum value of SAR (measured) = 0.703 W/kg




Approved By

Test 8f

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/9/2014	Liquid Temperature (°C):	21.6
Serial Number:	026	Humidity (%RH):	35.9
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 9a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 026

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0391 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0563 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

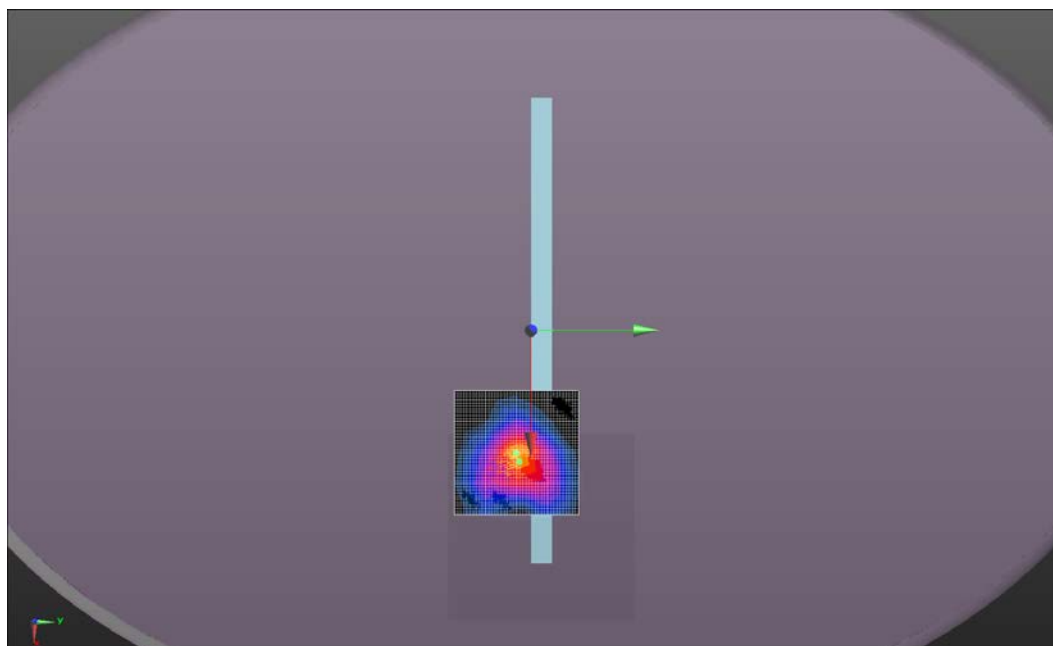
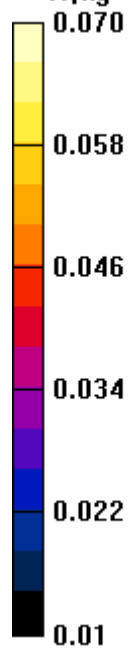
Maximum value of SAR (measured) = 0.0533 W/kg




Approved By

Test 9a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/8/2014	Liquid Temperature (°C):	21.1
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 10a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.528$ S/m; $\epsilon_r = 53.232$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0586 W/kg

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

Reference Value = 10.442 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.153 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.129 W/kg

Body/Body/Area scan 2 (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.159 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 7.006 V/m

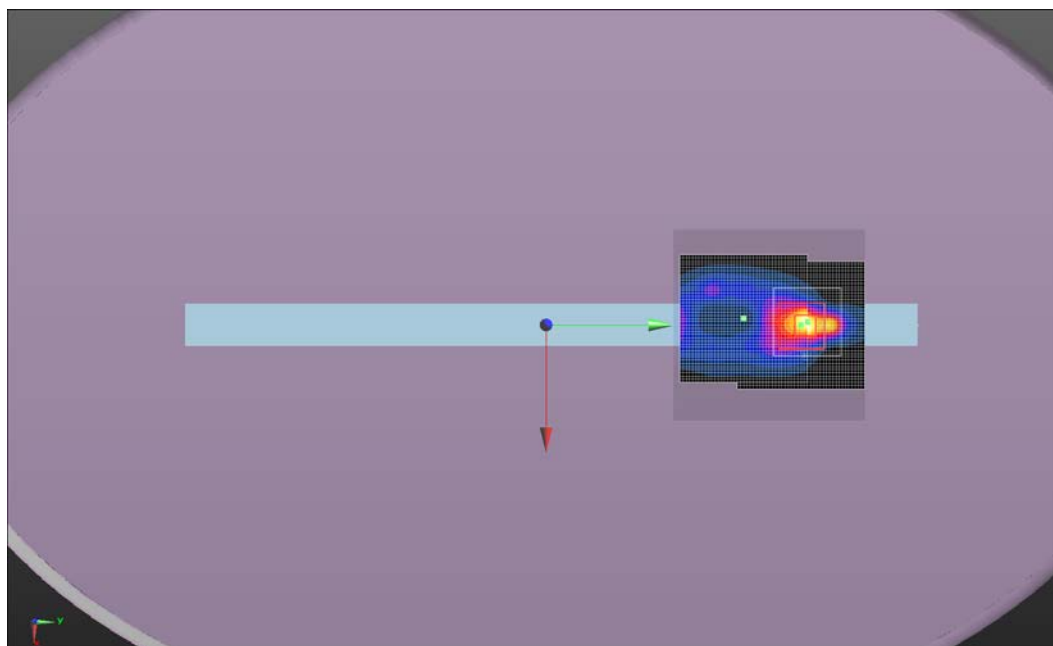
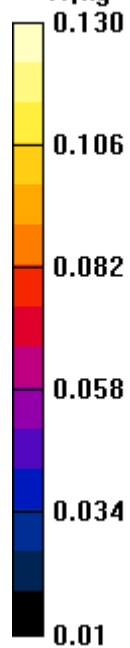
Body/Body/Area scan 2 (5x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.159 W/kg



Approved By

Test 10a
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.9
Date:	5/9/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	42.7
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 11a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.488 W/kg

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

Reference Value = 29.330 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 1.19 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

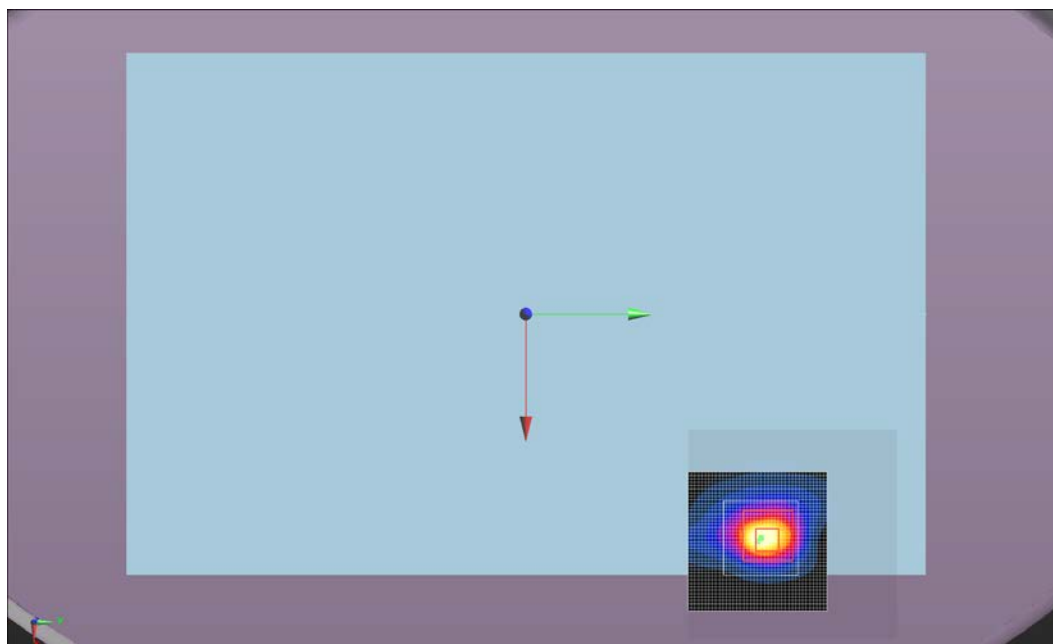
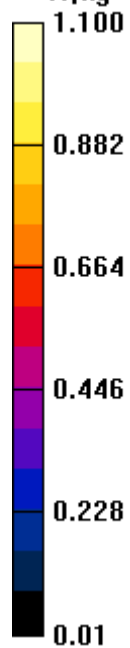
Maximum value of Total (measured) = 19.07 V/m

Maximum value of SAR (measured) = 0.551 W/kg




Approved By

Test 11a
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.9
Date:	5/9/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	42.7
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 11b

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 53.443$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.489 W/kg

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

Reference Value = 29.361 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.401 W/kg

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

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

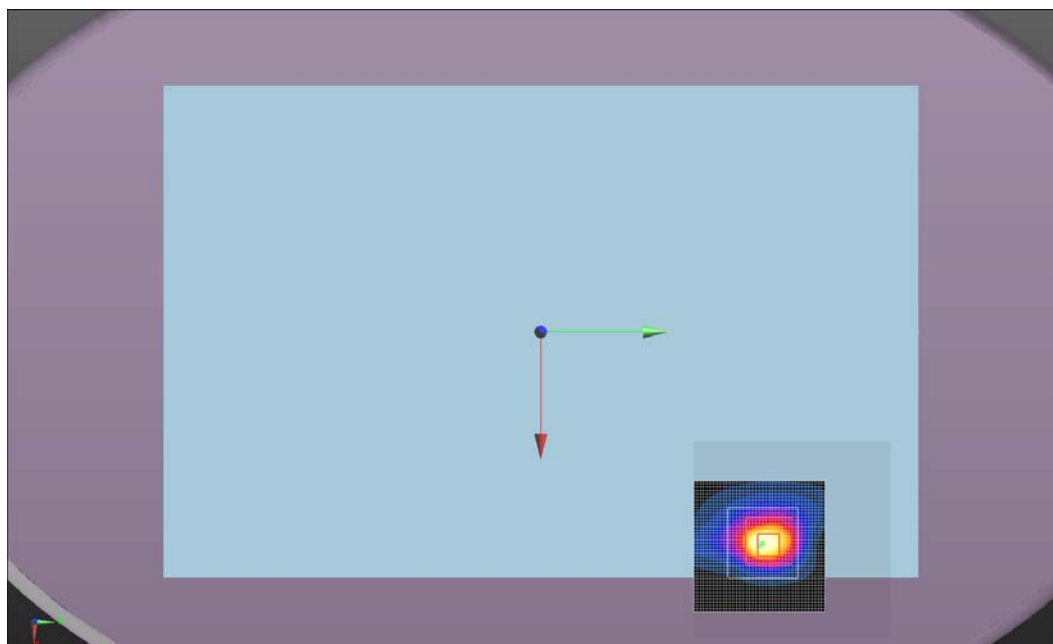
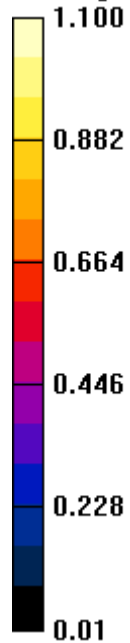
Maximum value of Total (measured) = 19.00 V/m

Maximum value of SAR (measured) = 0.558 W/kg




Approved By

Test 11b
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.9
Date:	5/9/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	42.7
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 11c

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 008

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 53.431$; $\rho = 1000$ kg/m³, Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.498 W/kg

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

Reference Value = 28.878 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.388 W/kg

Maximum value of SAR (measured) = 1.20 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

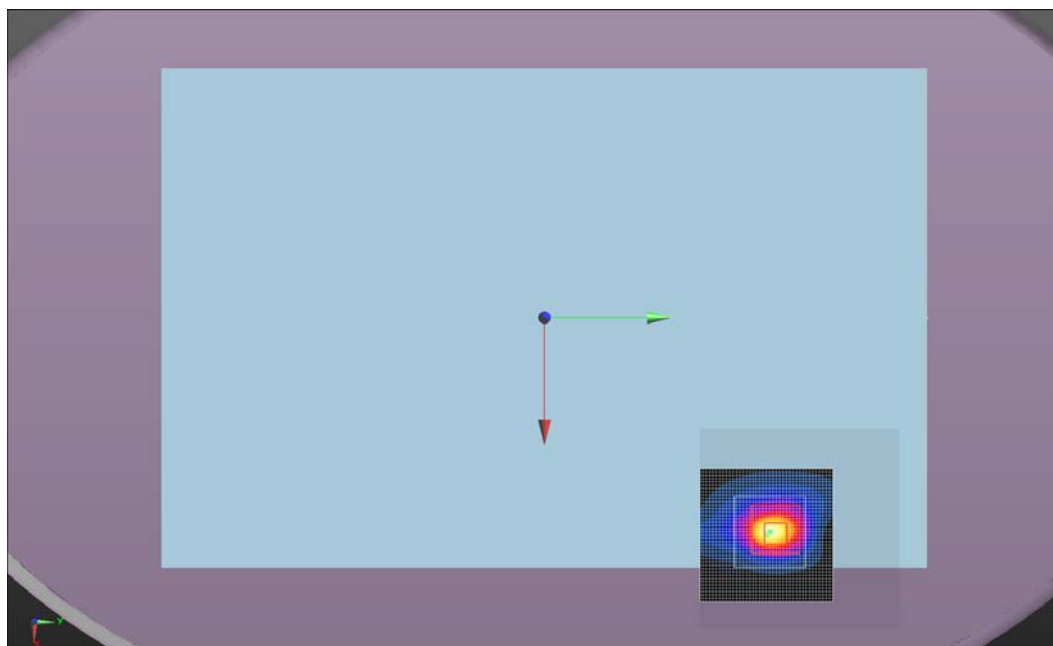
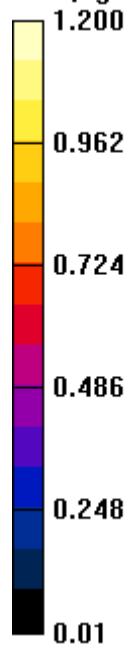
Maximum value of Total (measured) = 18.55 V/m

Maximum value of SAR (measured) = 0.541 W/kg




Approved By

Test 11c
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/9/2014	Liquid Temperature (°C):	21.6
Serial Number:	026	Humidity (%RH):	35.9
Configuration:	INTE5453-1	Bar. Pressure (mb):	1009
Comments:	None		

Test 12a

DUT: Tablet Computer; Type: WSBUB-SDS; Serial: 026

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1860 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 53.496$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Body/Body/Reference scan (31x31x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0328 W/kg

Body/Body/Area scan (41x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0460 W/kg

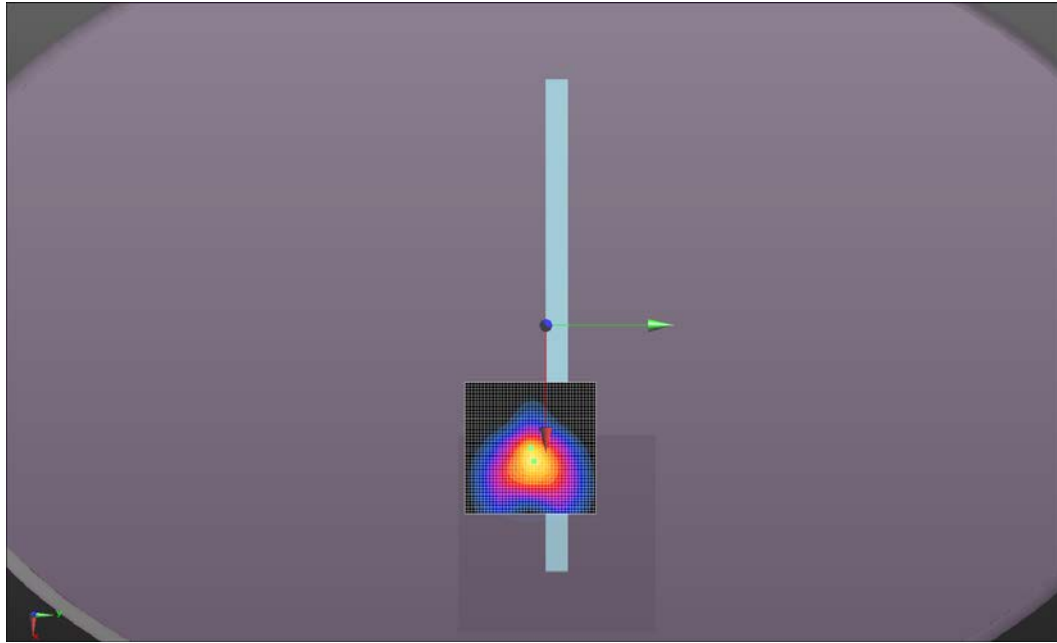
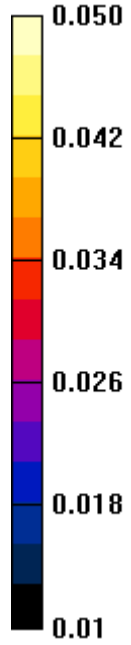
Body/Body/Area scan (5x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0410 W/kg




Approved By

Test 12a
W/kg



Test 8e – Z Scan

