

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	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tablet	Top	-0.03	0.20	0.10	13
Body	LTE	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tablet	Back	0.05	0.16	0.09	14
Body	LTE	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tablet	Right	N/A	0.02	0.02	15
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tablet	Top	-0.01	0.14	0.07	16
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tablet	Back	-0.05	0.10	0.06	17a
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tablet	Right	N/A	0.02	0.02	18
Body	LTE	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tent	Top	-0.06	0.17	0.09	19
Body	LTE	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tent	Back	0.01	1.30	0.59	20
Body	LTE	4	1720	20050	QPSK1RB offset 0	20MHz	Tent	Back	0.00	1.25	0.57	20a
Body	LTE	4	1745	20300	QPSK1RB offset 0	20MHz	Tent	Back	0.30	1.37	0.62	20b
Body	LTE	4	1732.5	20175	QPSK1RB offset 0	20MHz	Tent	Right	N/A	0.01	0.01	21
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tent	Top	-0.10	0.13	0.07	22
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tent	Back	0.00	0.99	0.45	23
Body	LTE	4	1732.5	20175	QPSK 50RB offset 0	20MHz	Tent	Back	-0.01	1.01	0.46	23a
Body	LTE	4	1745	20300	QPSK 50RB offset 0	20MHz	Tent	Back	0.00	1.02	0.46	23b
Body	LTE	4	1720	20050	QPSK 50RB offset 0	20MHz	Tent	Right	N/A	0.01	0.01	24

Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	5/8/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 13

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.158 W/kg

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

Reference Value = 12.867 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.104 W/kg

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

Maximum value of SAR (measured) = 0.240 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) = 0.272 W/kg

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

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

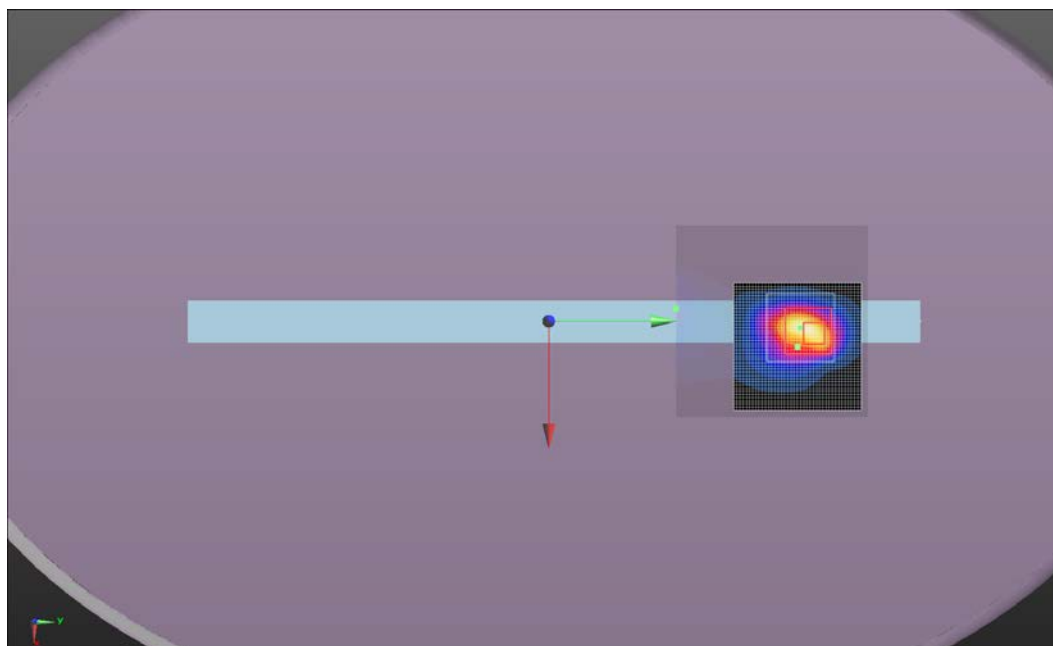
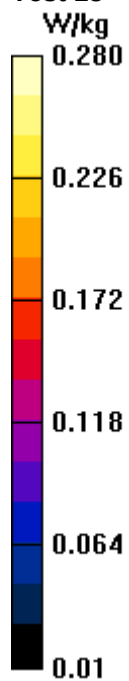
Maximum value of Total (measured) = 9.344 V/m

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



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Test 13



Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	5/8/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 14

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.172 W/kg

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

Reference Value = 11.545 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.092 W/kg

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

Maximum value of SAR (measured) = 0.185 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) = 0.183 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) = 9.094 V/m

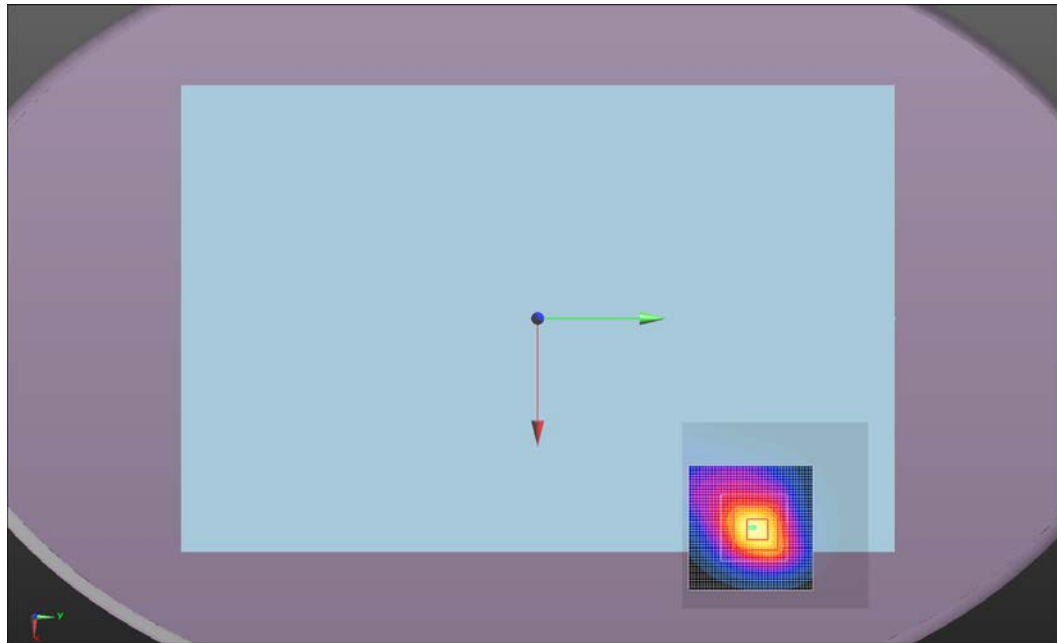
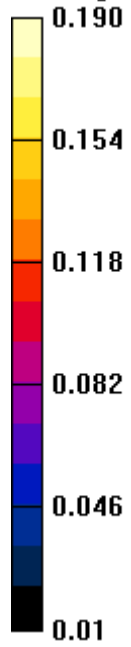
Maximum value of SAR (measured) = 0.125 W/kg



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Test 14

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.2
Date:	5/8/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 15

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.0218 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) = 0.0196 W/kg

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

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

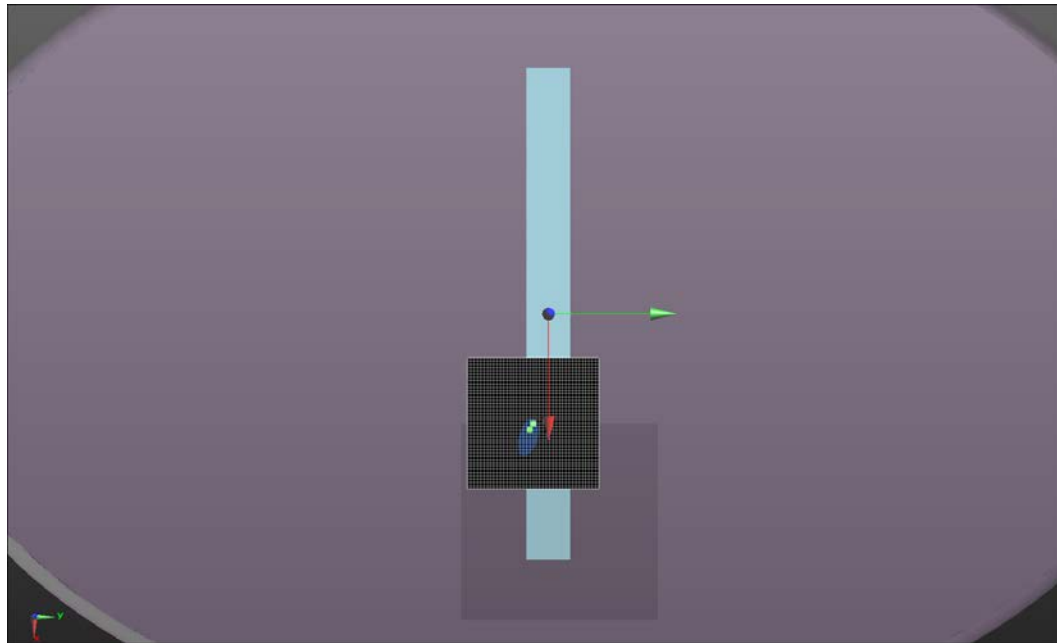
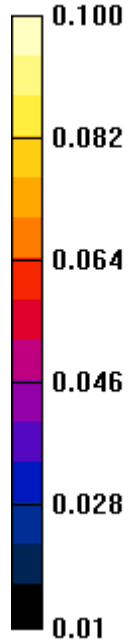
Maximum value of SAR (measured) = 0.0184 W/kg



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Test 15

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	5/8/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 16

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.117 W/kg

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

Reference Value = 10.852 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.167 W/kg

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

Maximum value of SAR (interpolated) = 0.197 W/kg

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

Maximum value of Total (measured) = 7.893 V/m

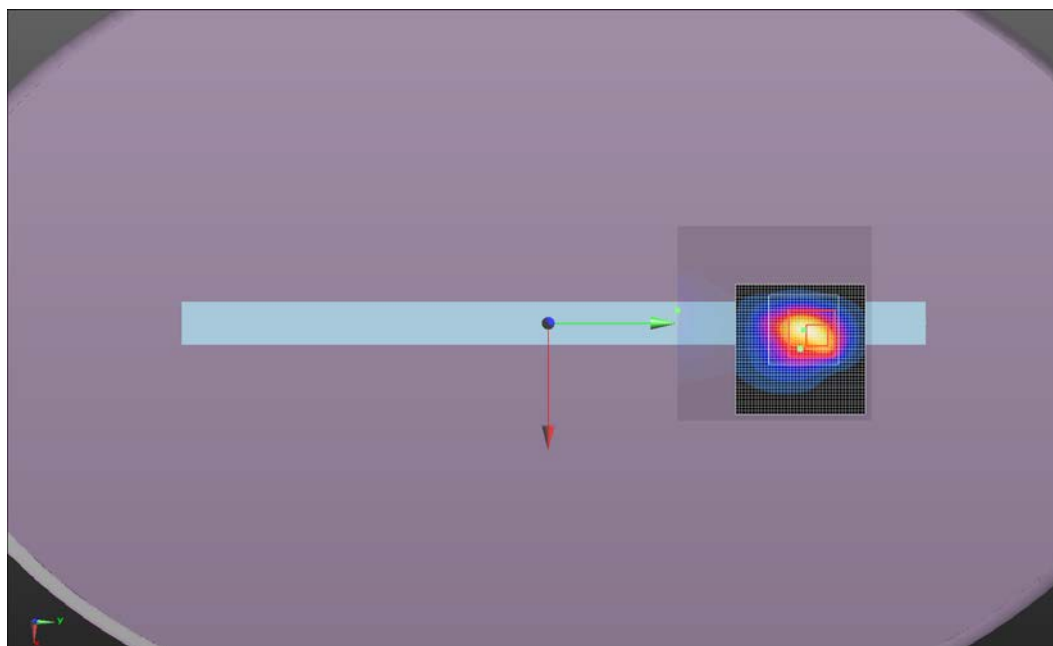
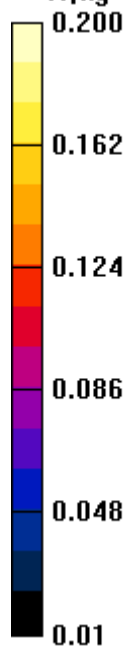
Maximum value of SAR (measured) = 0.0931 W/kg



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Test 16

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	5/8/2014	Liquid Temperature (°C):	21.6
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 17a

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.0788 W/kg

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

Reference Value = 9.335 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.057 W/kg

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

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

Maximum value of SAR (interpolated) = 0.118 W/kg

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

Maximum value of Total (measured) = 7.182 V/m

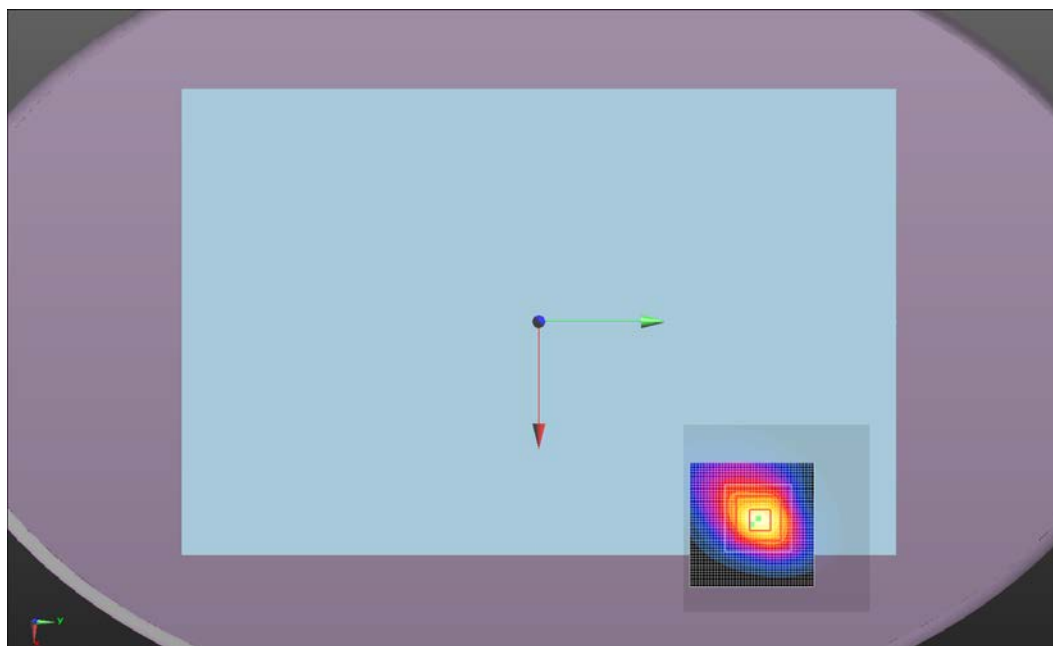
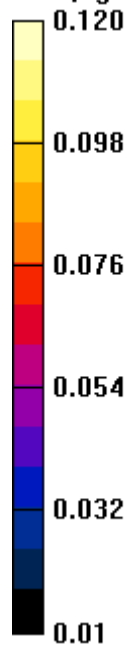
Maximum value of SAR (measured) = 0.0771 W/kg



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Test 17a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.2
Date:	5/8/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 18

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.0144 W/kg

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

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

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

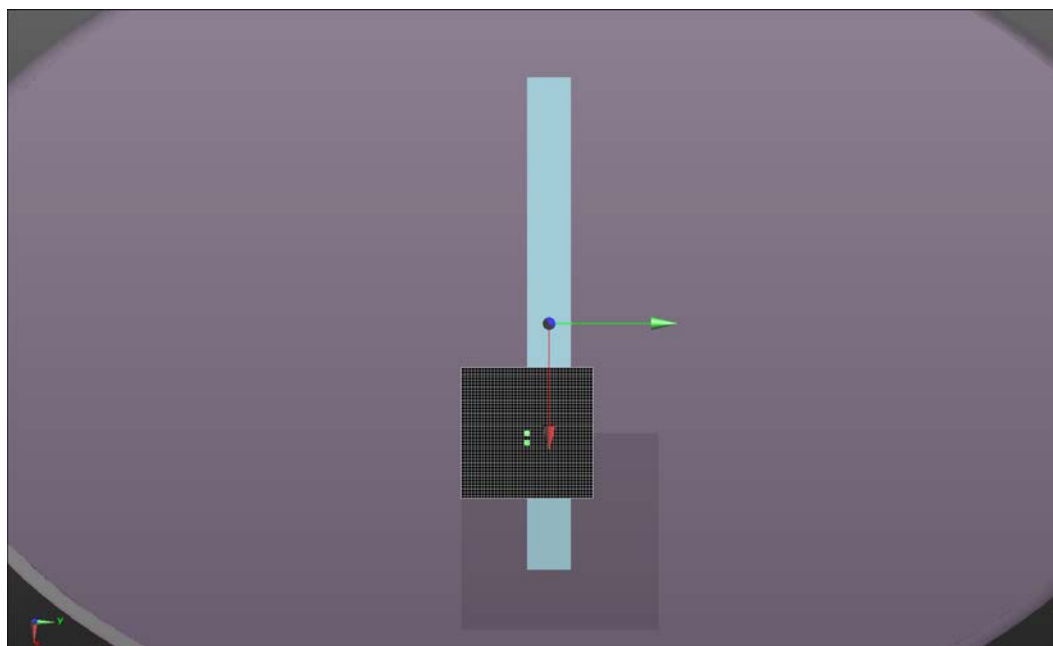
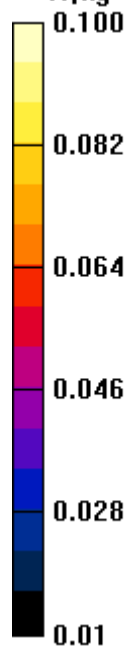
Maximum value of SAR (measured) = 0.0140 W/kg



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Test 18

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/8/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 19

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.104 W/kg

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

Reference Value = 12.321 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.088 W/kg

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

Maximum value of SAR (measured) = 0.227 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) = 0.232 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) = 8.574 V/m

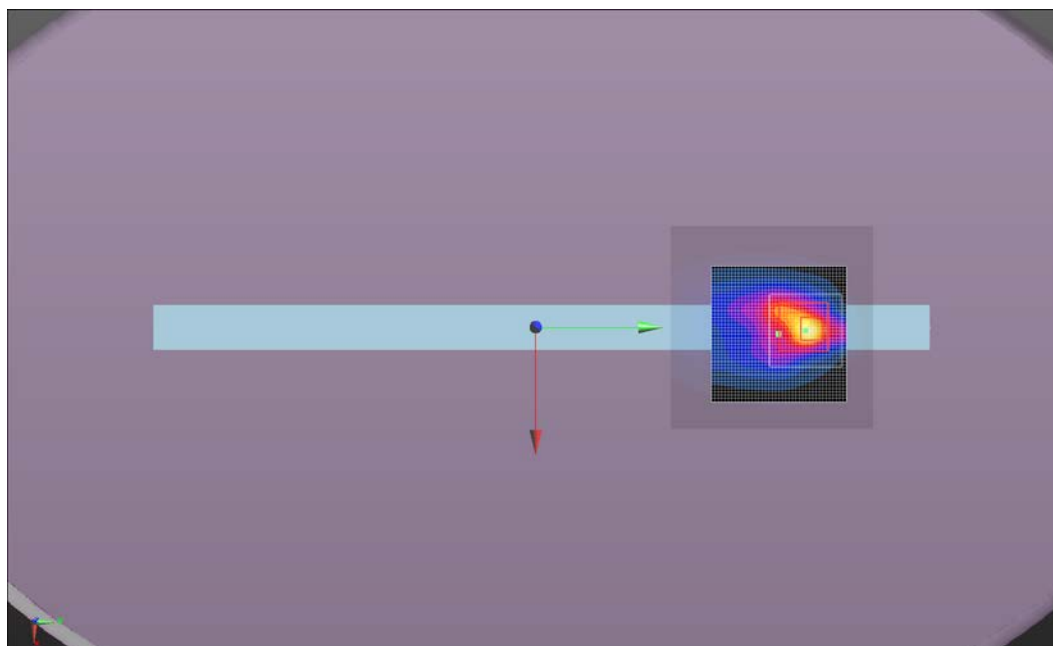
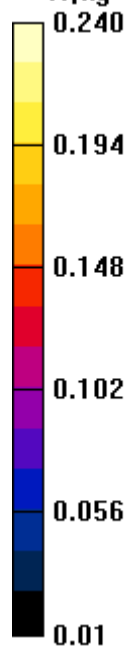
Maximum value of SAR (measured) = 0.111 W/kg



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Test 19

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 20

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.557 W/kg

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

Reference Value = 35.925 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.591 W/kg

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

Maximum value of SAR (measured) = 1.77 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) = 1.95 W/kg

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

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

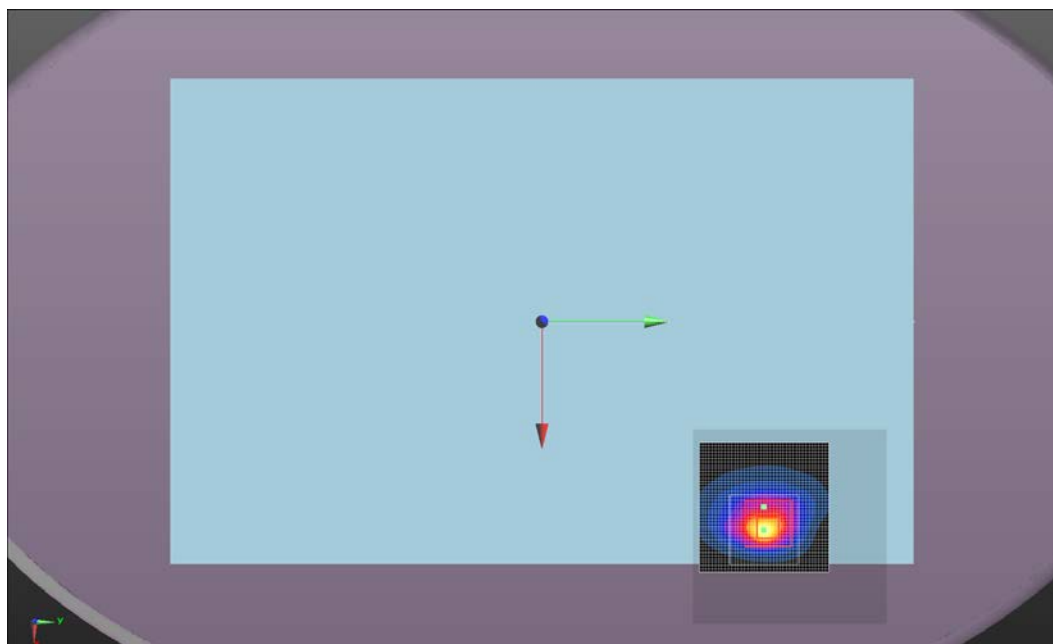
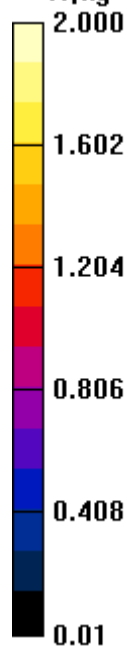
Maximum value of Total (measured) = 23.35 V/m



Approved By

Test 20

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 20a

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.530 W/kg

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

Reference Value = 35.242 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.570 W/kg

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

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

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

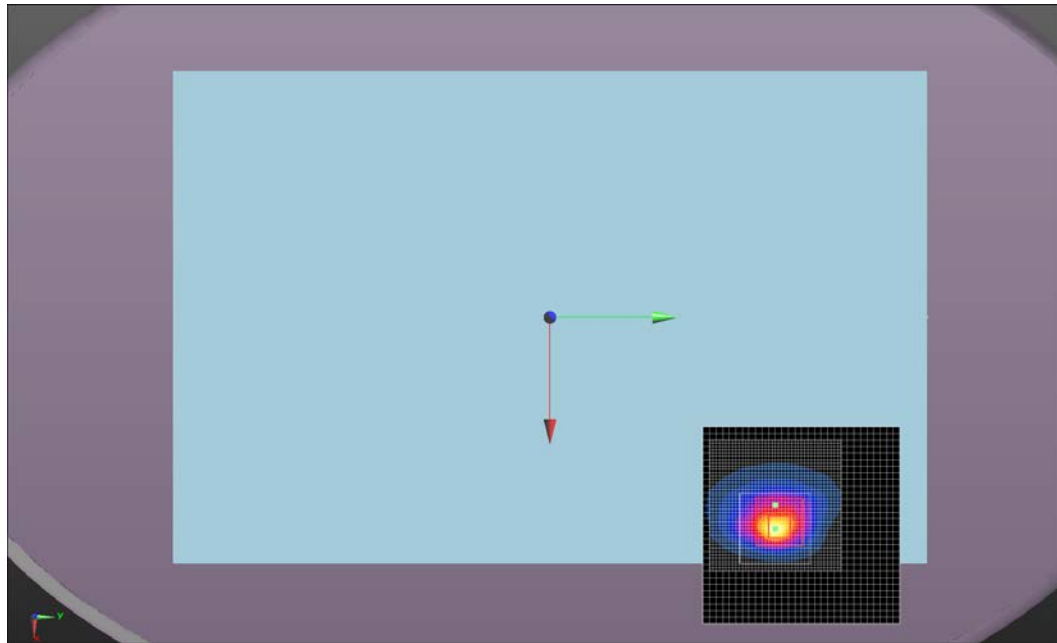
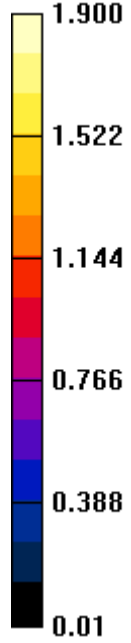
Body/Body/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of Total (measured) = 23.04 V/m



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Test 20a
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.1
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 20b

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1745 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 55.273$; $\rho = 1000$ 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) = 0.546 W/kg

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

Reference Value = 35.636 V/m; Power Drift = 0.30 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.621 W/kg

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

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

Maximum value of SAR (interpolated) = 1.93 W/kg

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

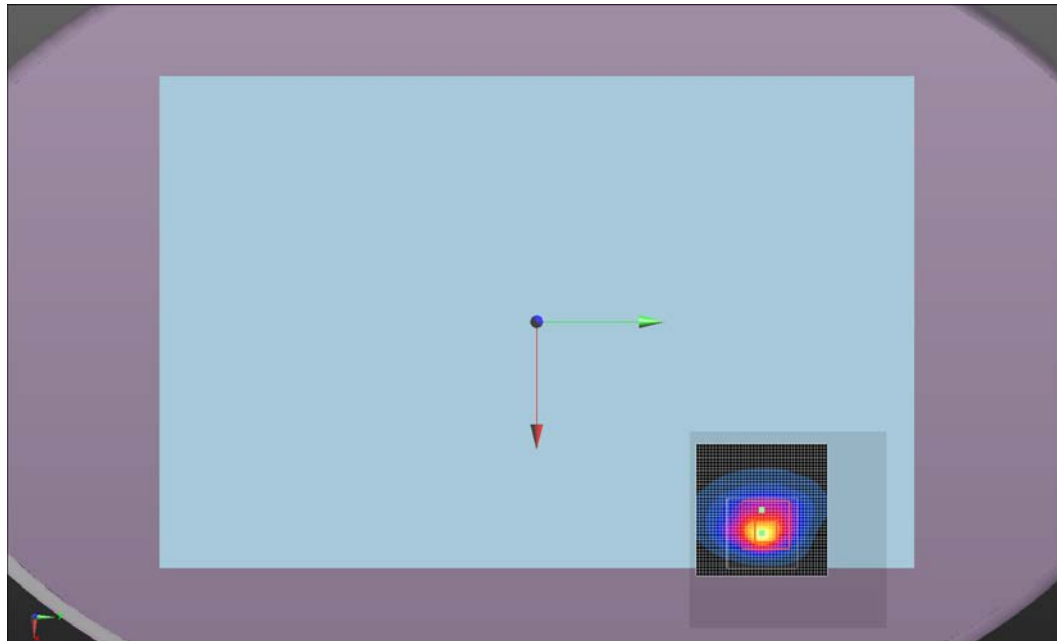
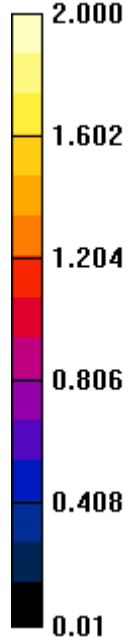
Maximum value of Total (measured) = 23.95 V/m

Maximum value of SAR (measured) = 0.872 W/kg



Approved By

Test 20b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	5/8/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	38
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 21

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.00729 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) = 0.00775 W/kg

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

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

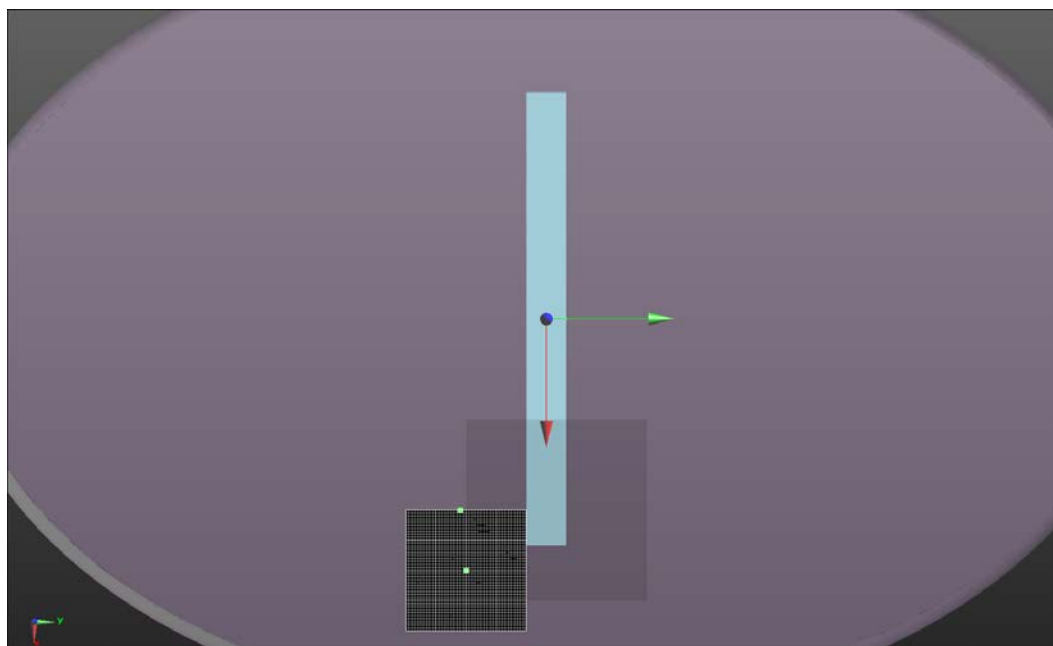
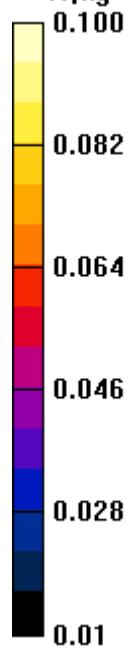
Maximum value of SAR (measured) = 0.00715 W/kg



Approved By

Test 21

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/8/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	39
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 22

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.0929 W/kg

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

Reference Value = 11.046 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.068 W/kg

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

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

Maximum value of SAR (interpolated) = 0.192 W/kg

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

Maximum value of Total (measured) = 7.701 V/m

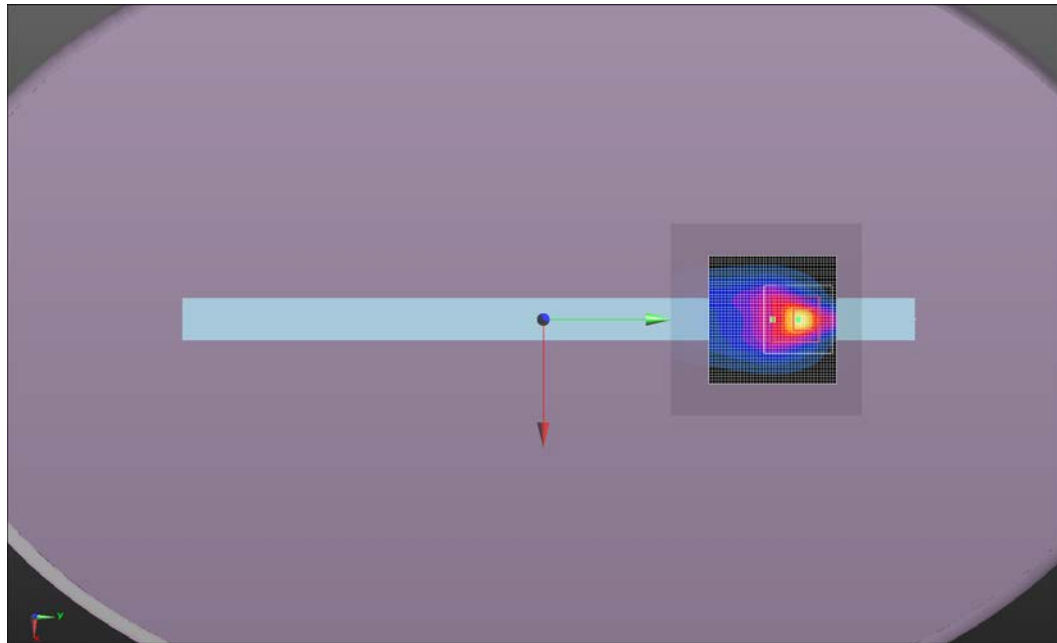
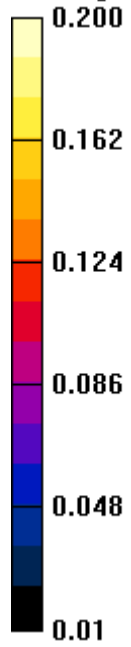
Maximum value of SAR (measured) = 0.0887 W/kg



Approved By

Test 22

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.1
Date:	5/8/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 23

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.417 W/kg

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

Reference Value = 31.609 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.452 W/kg

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

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

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

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

Maximum value of Total (measured) = 20.55 V/m

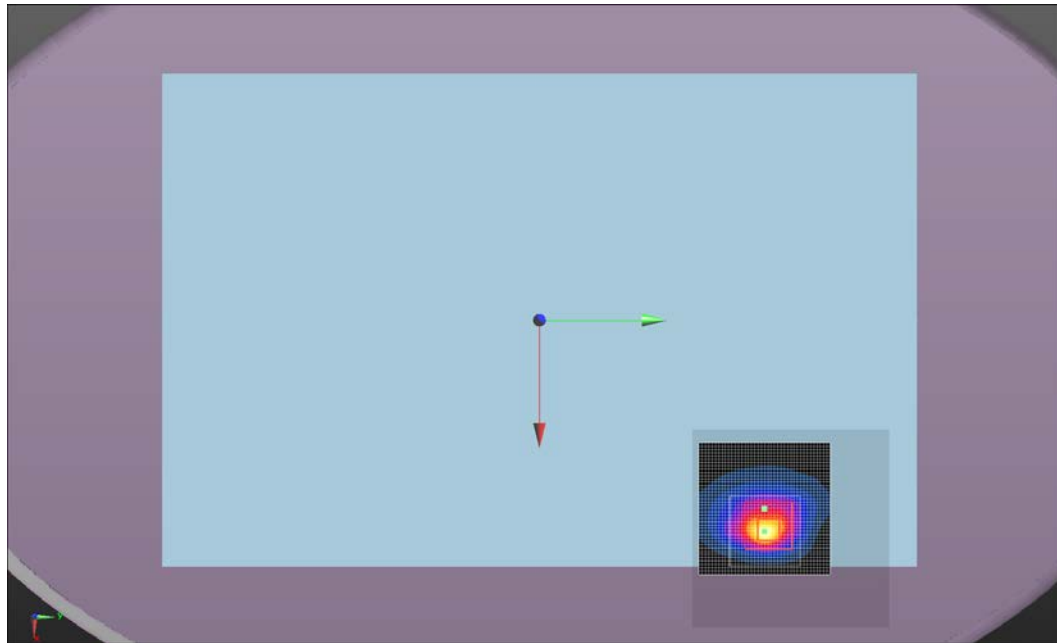
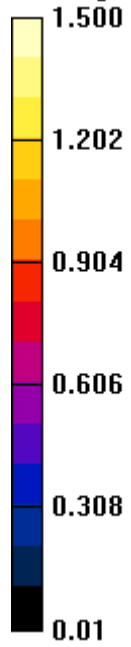
Maximum value of SAR (measured) = 0.631 W/kg



Approved By

Test 23

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/8/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 23a

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1732.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.508$ S/m; $\epsilon_r = 55.357$; $\rho = 1000$ 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) = 0.428 W/kg

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

Reference Value = 31.799 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.458 W/kg

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

Maximum value of SAR (measured) = 1.40 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) = 1.51 W/kg

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

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

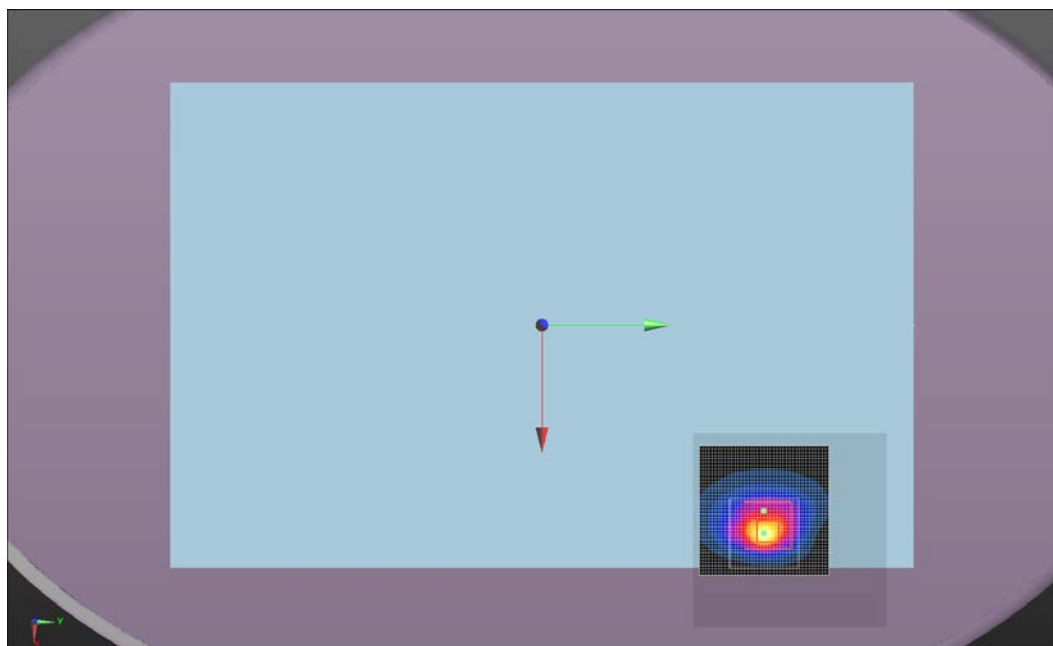
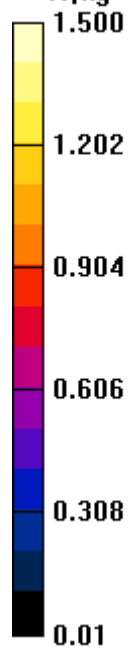
Maximum value of Total (measured) = 20.51 V/m

Maximum value of SAR (measured) = 0.635 W/kg



Approved By

Test 23a
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/8/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	41
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 23b

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1745 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 55.273$; $\rho = 1000$ 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) = 0.437 W/kg

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

Reference Value = 31.771 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.461 W/kg

Maximum value of SAR (measured) = 1.41 W/kg

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

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

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

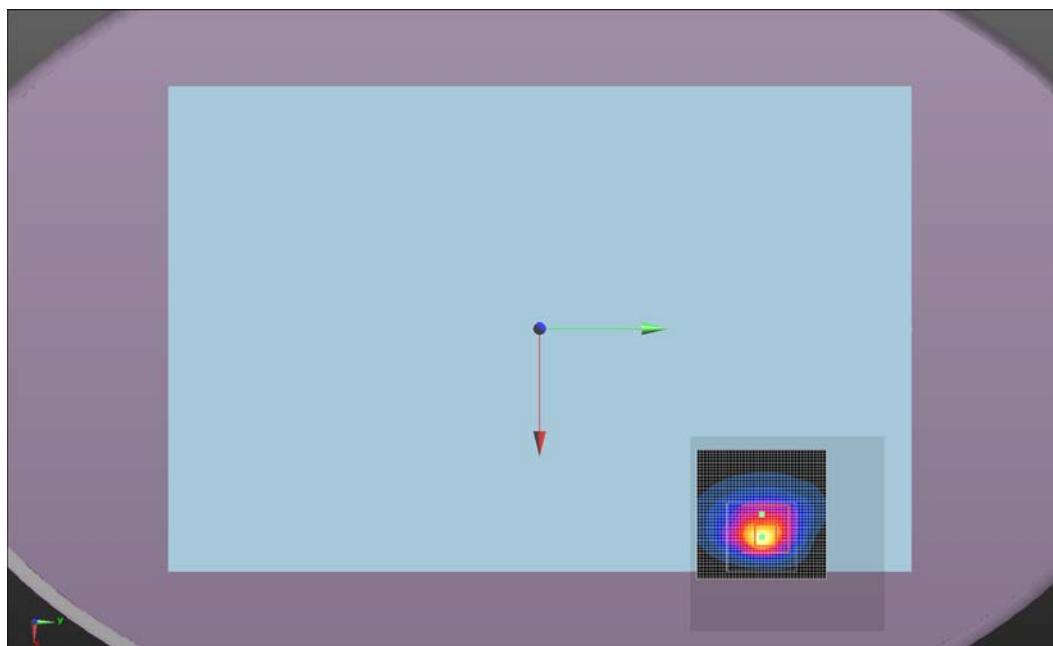
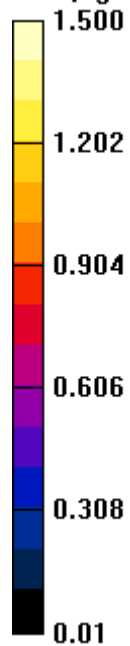
Maximum value of Total (measured) = 20.50 V/m

Maximum value of SAR (measured) = 0.639 W/kg



Approved By

Test 23b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	5/8/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	38
Configuration:	INTE5453-1	Bar. Pressure (mb):	1007
Comments:	None		

Test 24

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

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1720 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 55.365$; $\rho = 1000$ 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) = 0.00551 W/kg

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

Maximum value of SAR (interpolated) = 0.00636 W/kg

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

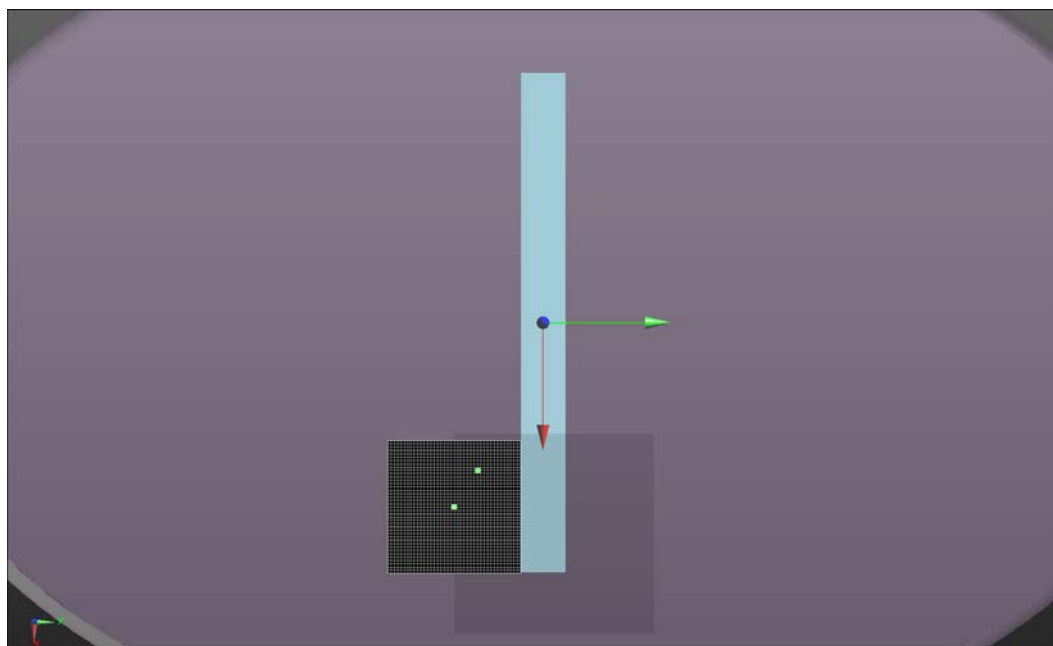
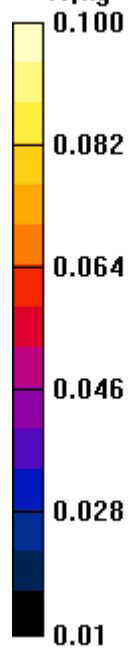
Maximum value of SAR (measured) = 0.00565 W/kg



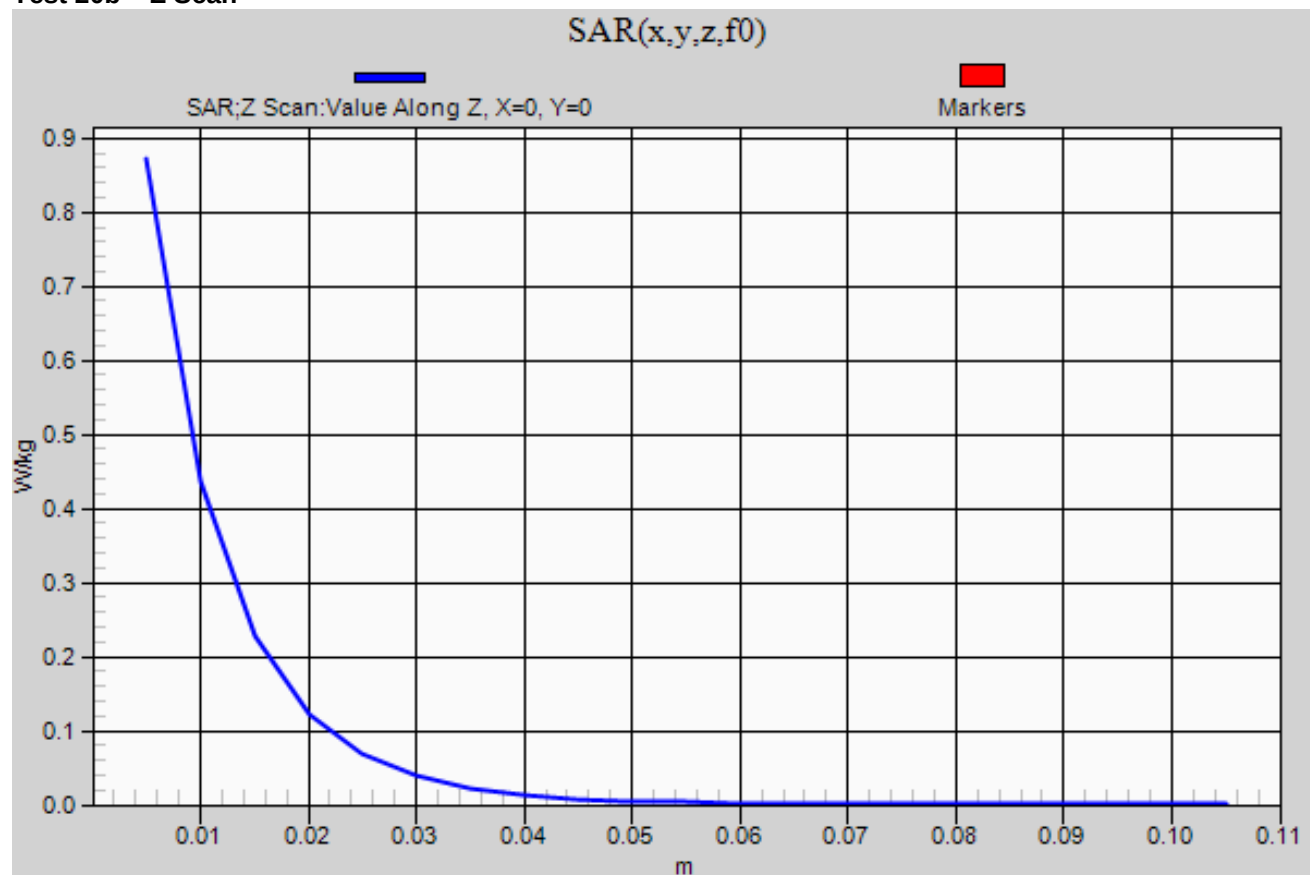
Approved By

Test 24

W/kg



Test 20b – 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	5	829	20450	QPSK 1RB offset 0	10MHz	Tablet	Top	-0.05	0.51	0.25	25
Body	LTE	5	829	20450	QPSK 1RB offset 0	10MHz	Tablet	Back	0.03	0.17	0.10	26
Body	LTE	5	829	20450	QPSK 1RB offset 0	10MHz	Tablet	Right	N/A	0.04	0.04	27
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tablet	Top	-0.06	0.41	0.20	28
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tablet	Back	0.02	0.14	0.08	29
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tablet	Right	N/A	0.03	0.03	30
Body	LTE	5	829	20450	QPSK 1RB offset 0	10MHz	Tent	Top	0.06	0.60	0.30	31
Body	LTE	5	829	20450	QPSK 1RB offset 0	10MHz	Tent	Back	-0.12	1.13	0.55	32
Body	LTE	5	836.5	20525	QPSK 1RB offset 0	10MHz	Tent	Back	-0.02	1.15	0.55	32a
Body	LTE	5	844	20600	QPSK 1RB offset 0	10MHz	Tent	Back	0.02	1.16	0.55	32b
Body	LTE	5	829	20450	QPSK 1RB offset 0	10MHz	Tent	Right	N/A	0.05	0.05	33
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tent	Top	0.00	0.48	0.24	34
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tent	Back	-0.06	0.93	0.44	35
Body	LTE	5	836.5	20525	QPSK 25RB offset 0	10MHz	Tent	Back	0.01	0.95	0.45	35a
Body	LTE	5	844	20600	QPSK 25RB offset 0	10MHz	Tent	Back	-0.01	0.95	0.45	35b
Body	LTE	5	829	20450	QPSK 25RB offset 0	10MHz	Tent	Right	N/A	0.04	0.04	36

Tested By:	Carl Engholm	Room Temperature (°C):	22.4
Date:	5/7/2014	Liquid Temperature (°C):	20.3
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 25

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 0.280 W/kg

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

Reference Value = 27.340 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.247 W/kg

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

Maximum value of SAR (measured) = 0.717 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) = 0.670 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) = 17.93 V/m

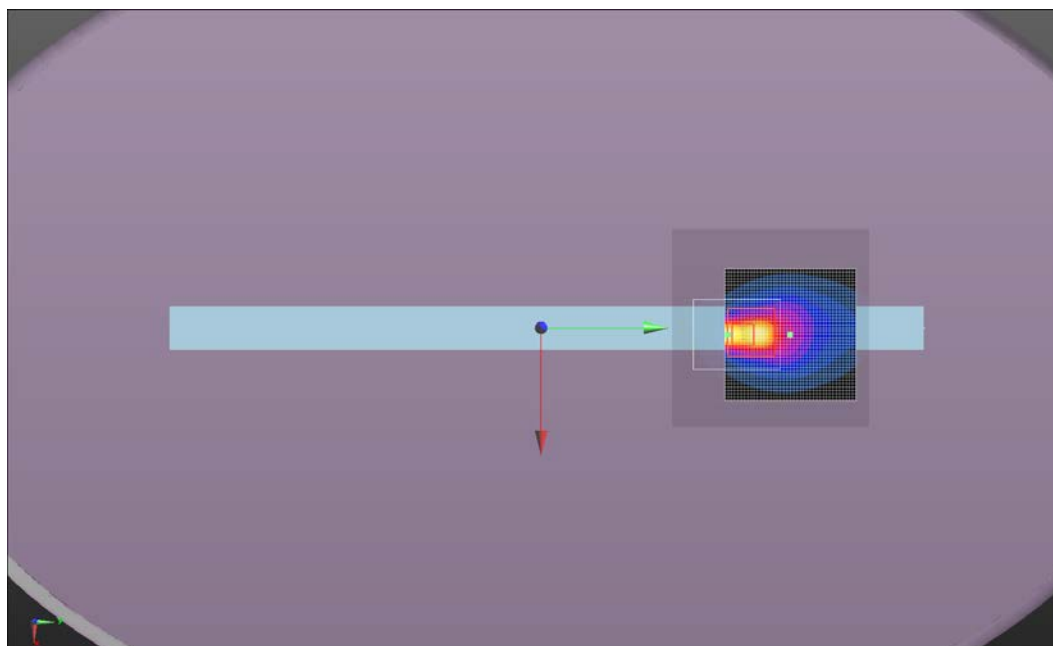
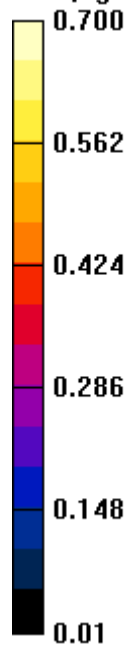
Maximum value of SAR (measured) = 0.312 W/kg



Approved By

Test 25

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	20.4
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 26

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 0.219 W/kg

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

Reference Value = 14.939 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.101 W/kg

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

Maximum value of SAR (measured) = 0.202 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) = 0.212 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) = 11.46 V/m

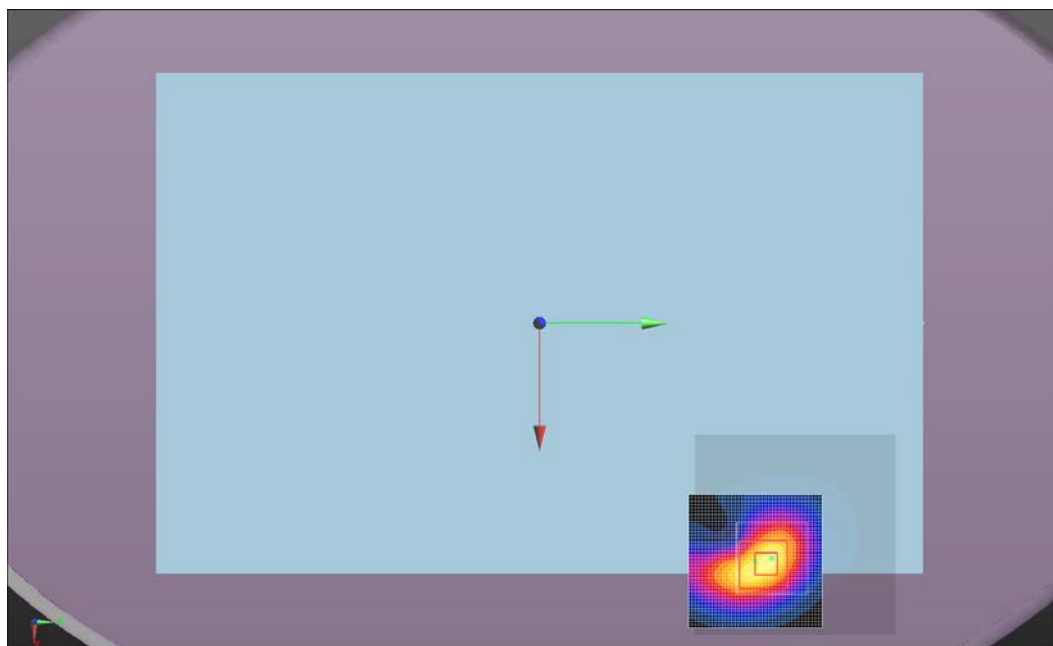
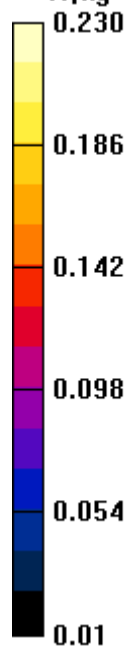
Maximum value of SAR (measured) = 0.127 W/kg



Approved By

Test 26

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	5/7/2014	Liquid Temperature (°C):	20.5
Serial Number:	008	Humidity (%RH):	37
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 27

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 55.919$; $\rho = 1000$ 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) = 0.0260 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) = 0.0353 W/kg

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

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

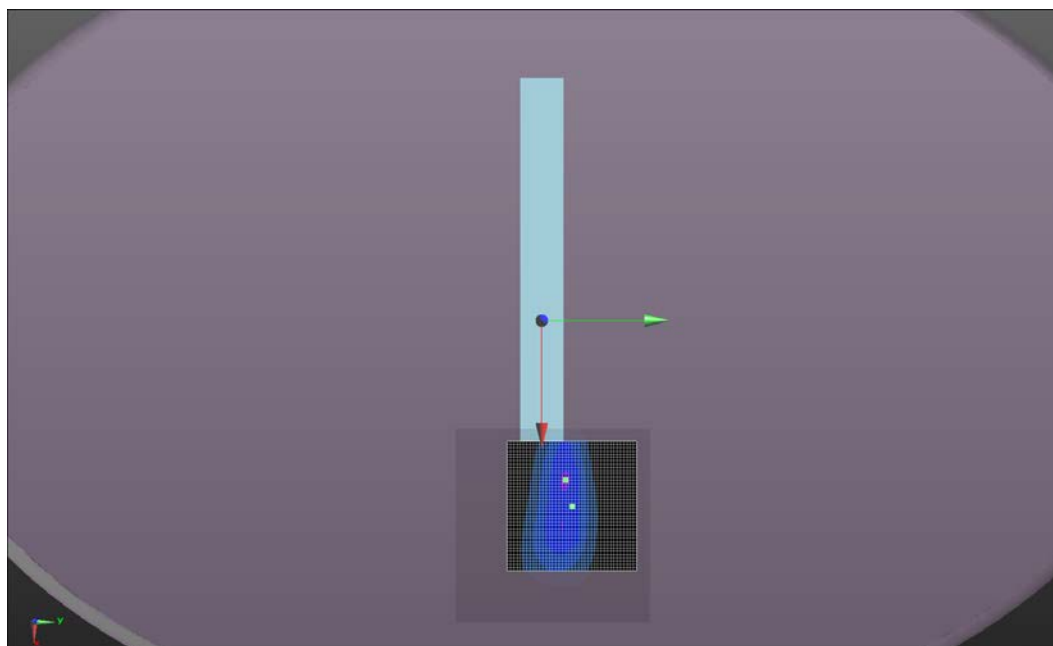
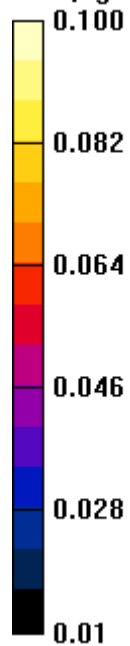
Maximum value of SAR (measured) = 0.0331 W/kg



Approved By

Test 27

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	21.7
Date:	5/7/2014	Liquid Temperature (°C):	20.3
Serial Number:	008	Humidity (%RH):	38
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 28

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 0.215 W/kg

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

Reference Value = 24.796 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.199 W/kg

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

Maximum value of SAR (measured) = 0.578 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) = 0.554 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) = 16.10 V/m

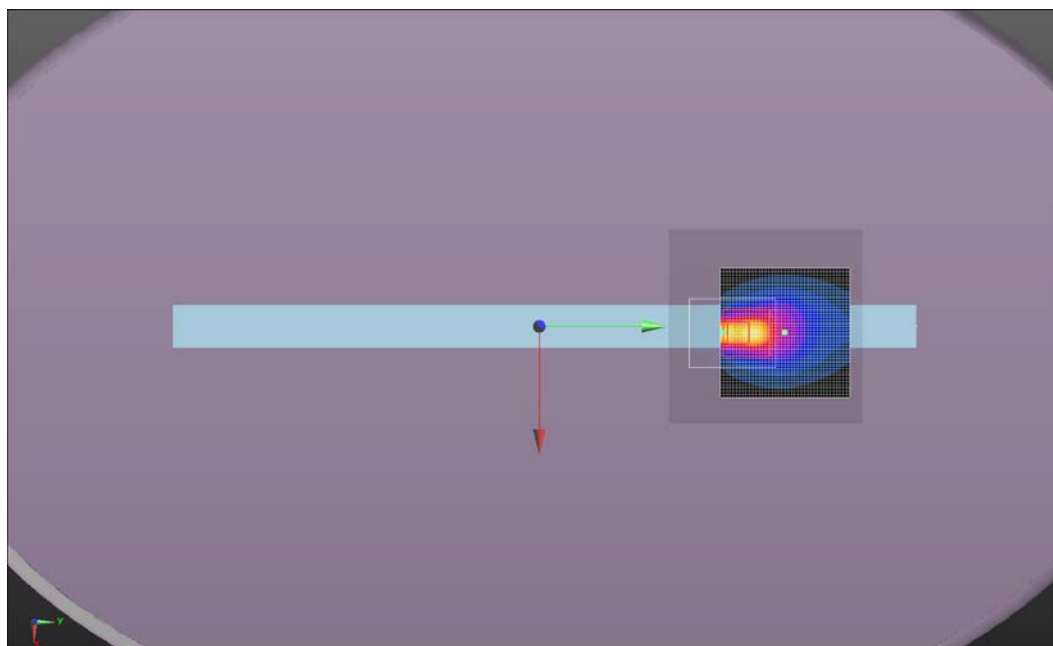
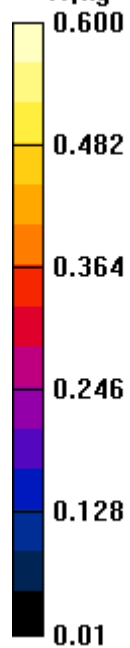
Maximum value of SAR (measured) = 0.251 W/kg



Approved By

Test 28

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	20.4
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 29

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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(7331)

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) = 0.175 W/kg

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

Reference Value = 13.49 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.081 W/kg

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

Maximum value of SAR (measured) = 0.162 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) = 0.167 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) = 10.30 V/m

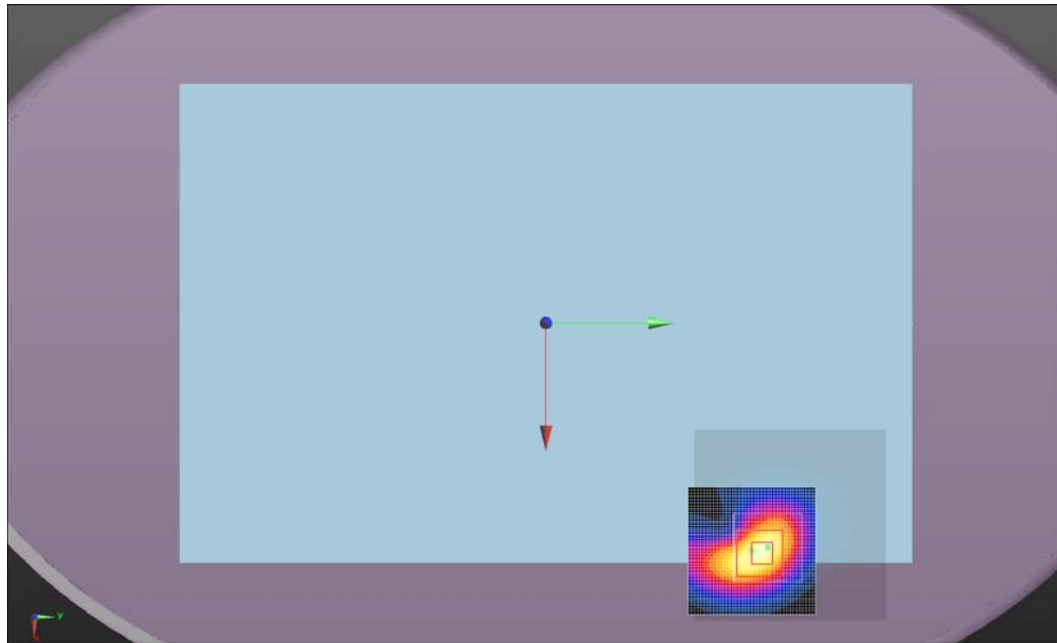
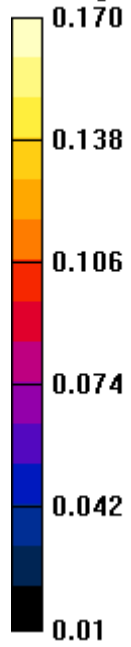
Maximum value of SAR (measured) = 0.103 W/kg



Approved By

Test 29

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	5/7/2014	Liquid Temperature (°C):	20.5
Serial Number:	008	Humidity (%RH):	37
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 30

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 55.919$; $\rho = 1000$ 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) = 0.0217 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) = 0.0280 W/kg

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

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

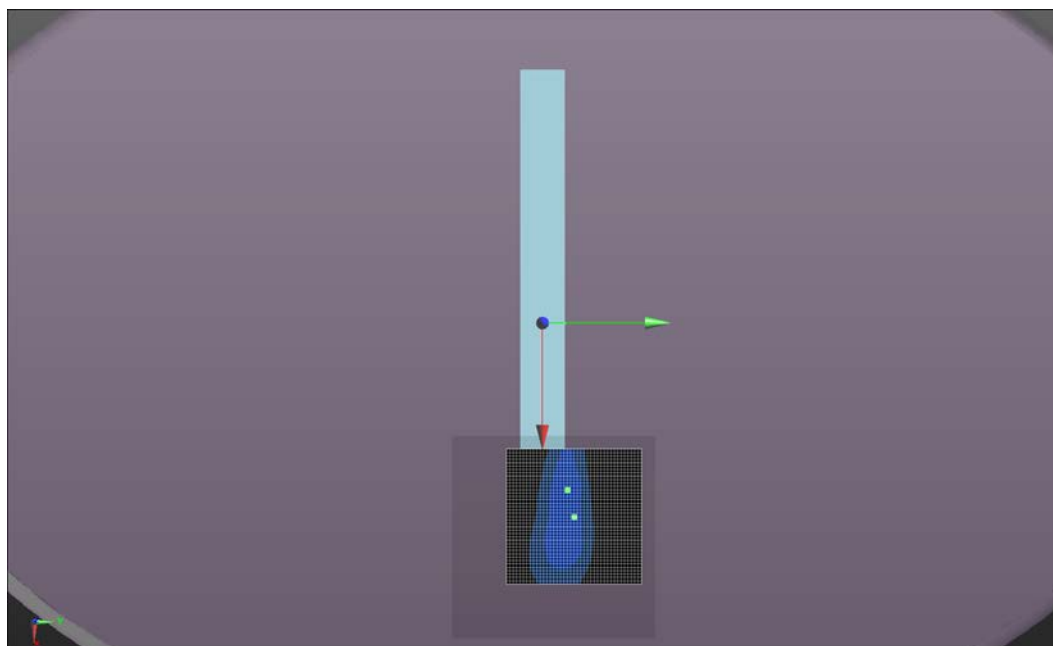
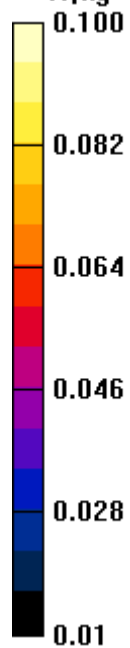
Maximum value of SAR (measured) = 0.0263 W/kg



Approved By

Test 30

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/7/2014	Liquid Temperature (°C):	21.2
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 31

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 0.289 W/kg

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

Reference Value = 30.119 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.297 W/kg

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

Maximum value of SAR (measured) = 0.827 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) = 0.827 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) = 20.66 V/m

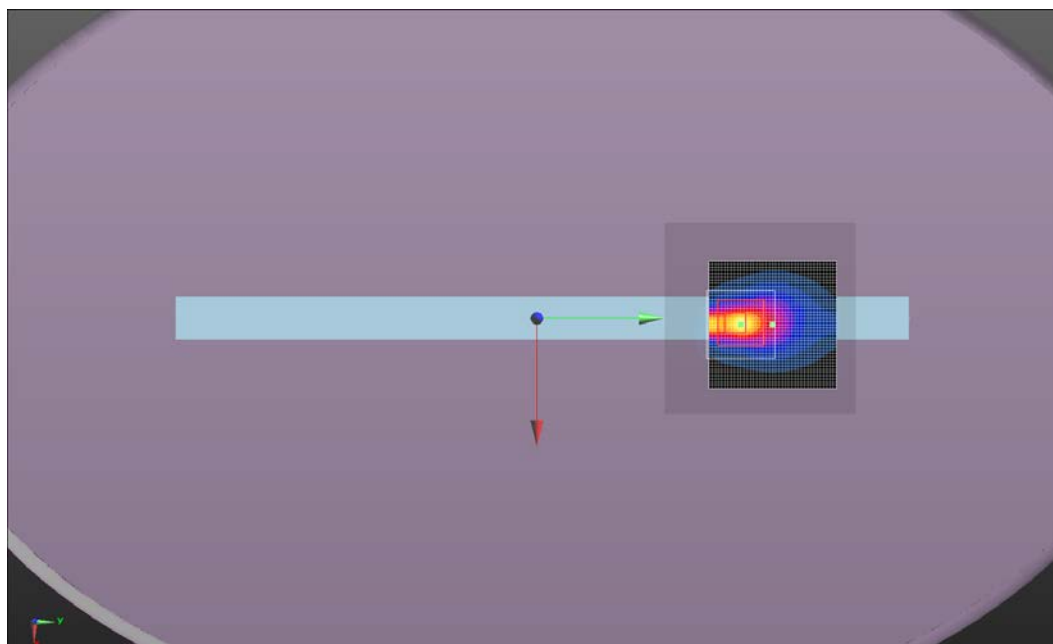
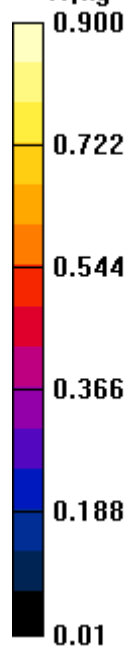
Maximum value of SAR (measured) = 0.414 W/kg



Approved By

Test 31

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.7
Date:	5/7/2014	Liquid Temperature (°C):	20.7
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 32

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 1.47 W/kg

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

Reference Value = 42.685 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.545 W/kg

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

Maximum value of SAR (measured) = 1.60 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) = 1.62 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) = 27.28 V/m

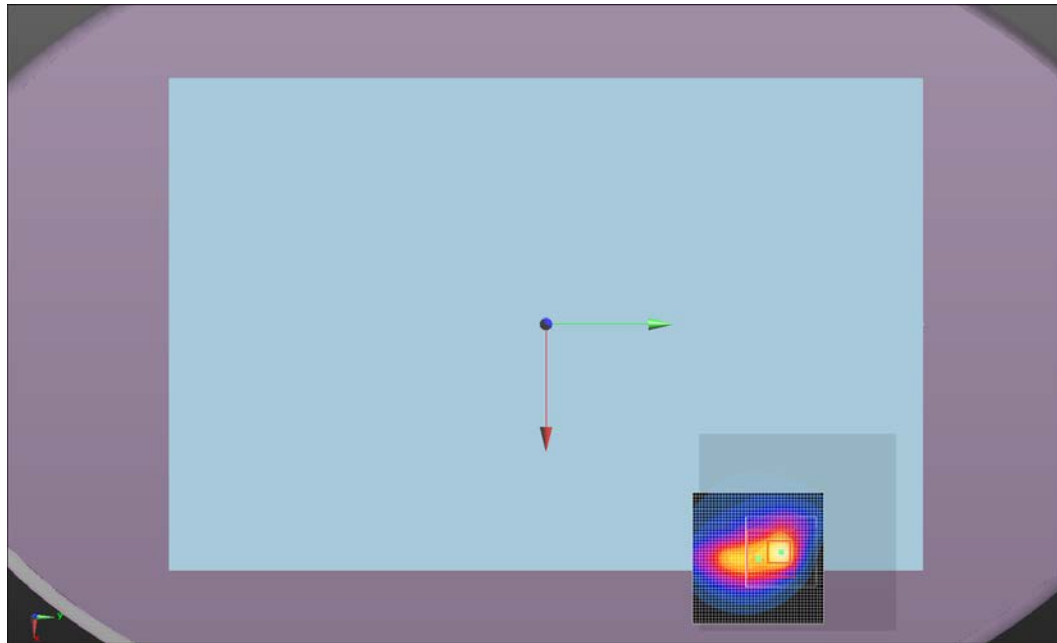
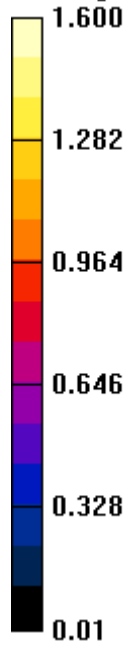
Maximum value of SAR (measured) = 0.722 W/kg



Approved By

Test 32

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/7/2014	Liquid Temperature (°C):	20.8
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 32a

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.786$; $\rho = 1000$ 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) = 1.49 W/kg

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

Reference Value = 42.345 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.550 W/kg

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

Maximum value of SAR (measured) = 1.64 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) = 1.59 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) = 27.51 V/m

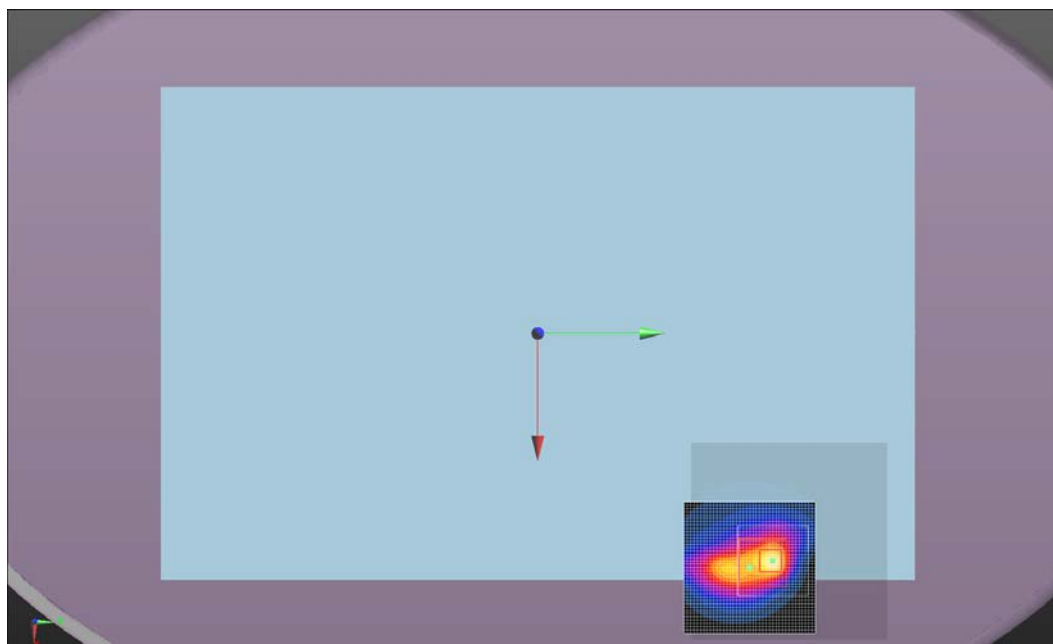
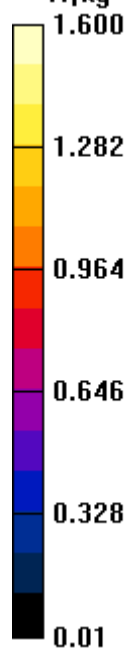
Maximum value of SAR (measured) = 0.742 W/kg



Approved By

Test 32a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	5/7/2014	Liquid Temperature (°C):	20.8
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 32b

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 844 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 53.748$; $\rho = 1000$ 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) = 1.51 W/kg

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

Reference Value = 42.414 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.552 W/kg

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

Maximum value of SAR (measured) = 1.65 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) = 1.57 W/kg

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

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

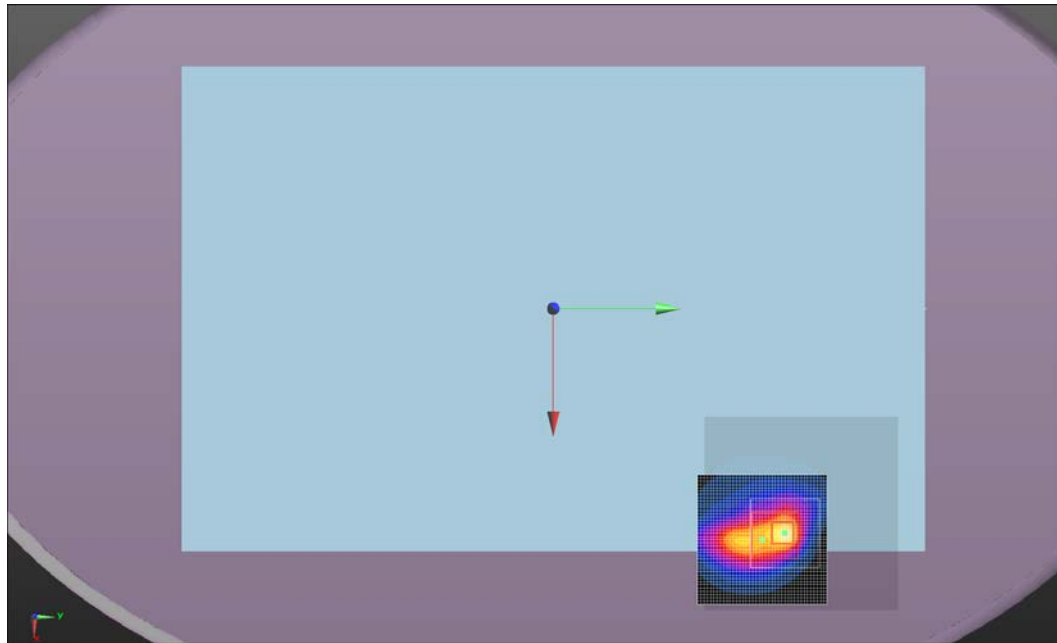
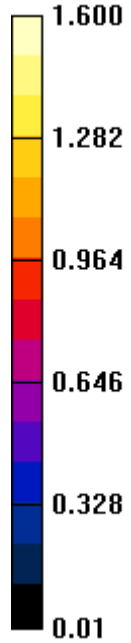
Maximum value of Total (measured) = 27.46 V/m

Maximum value of SAR (measured) = 0.743 W/kg



Approved By

Test 32b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	20.6
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 33

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 55.919$; $\rho = 1000$ 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) = 0.0363 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) = 0.0524 W/kg

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

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

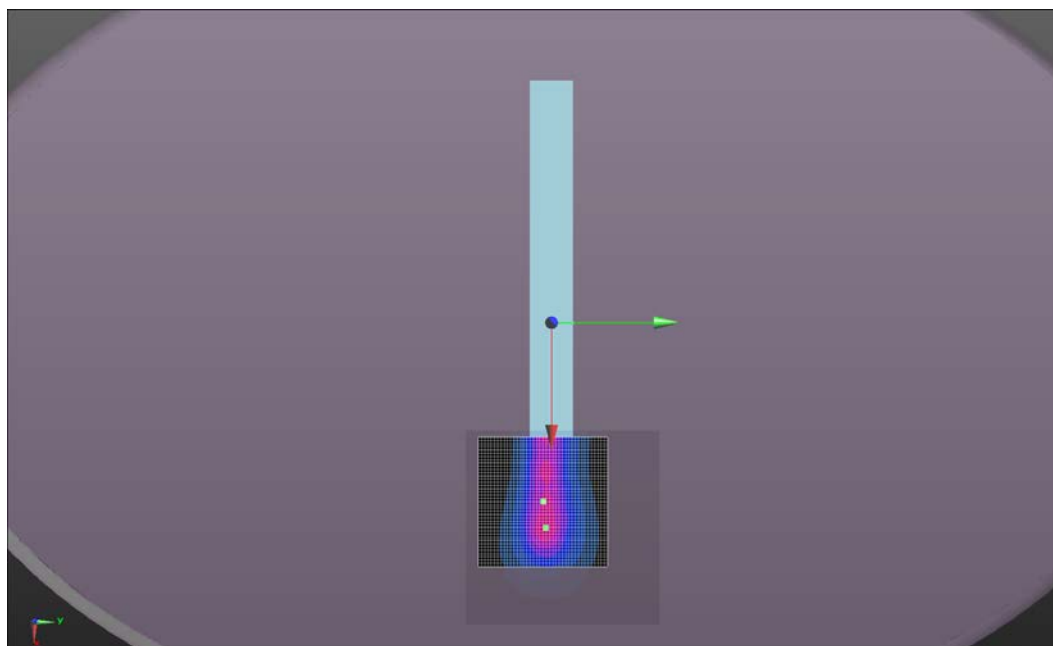
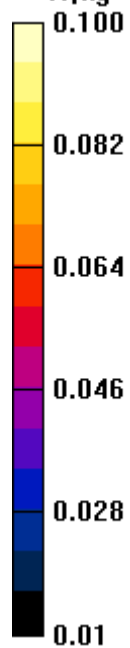
Maximum value of SAR (measured) = 0.0510 W/kg



Approved By

Test 33

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/7/2014	Liquid Temperature (°C):	21.2
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 34

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 0.228 W/kg

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

Reference Value = 27.173 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.237 W/kg

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

Maximum value of SAR (measured) = 0.665 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) = 0.664 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) = 18.36 V/m

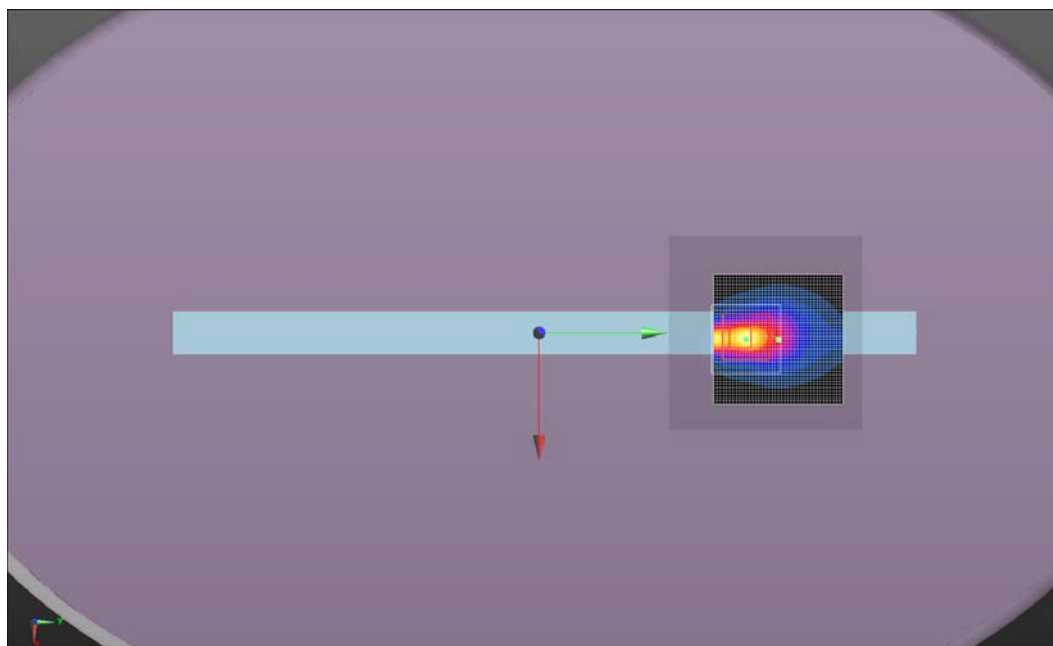
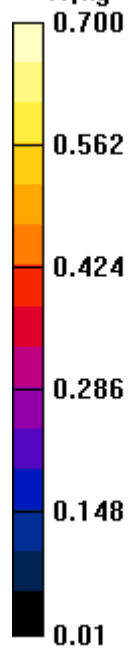
Maximum value of SAR (measured) = 0.327 W/kg



Approved By

Test 34

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.7
Date:	5/7/2014	Liquid Temperature (°C):	20.7
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 35

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 53.863$; $\rho = 1000$ 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) = 1.24 W/kg

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

Reference Value = 38.750 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.445 W/kg

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

Maximum value of SAR (measured) = 1.33 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) = 1.31 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) = 24.83 V/m

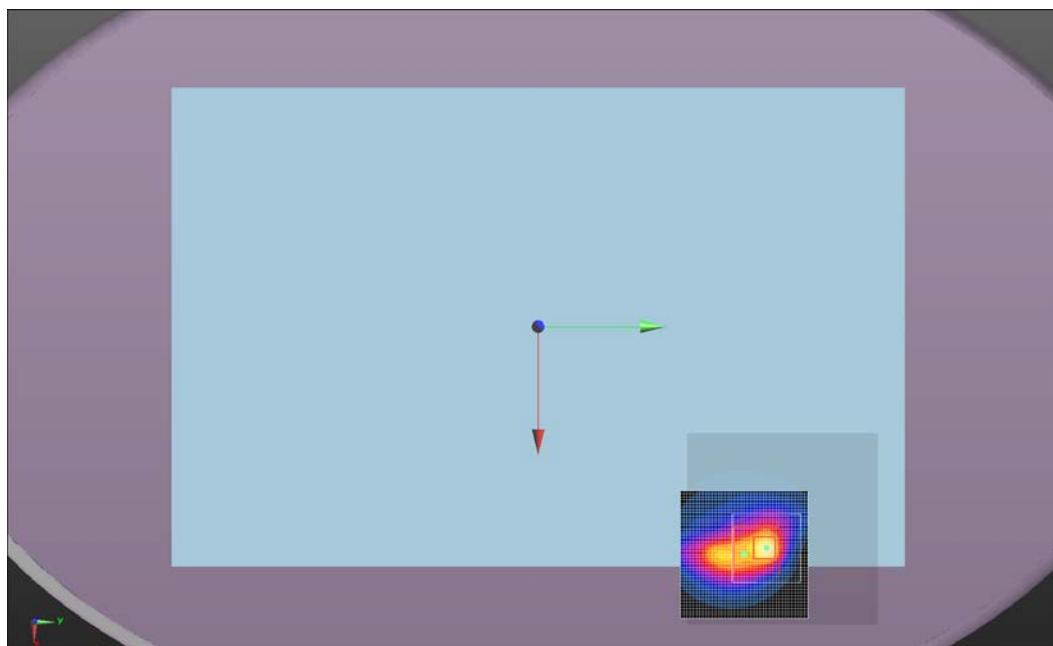
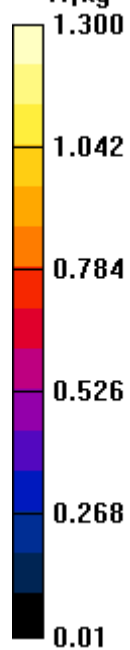
Maximum value of SAR (measured) = 0.598 W/kg



Approved By

Test 35

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	21
Serial Number:	008	Humidity (%RH):	34
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 35a

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 836.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.786$; $\rho = 1000$ 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) = 1.22 W/kg

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

Reference Value = 38.654 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.451 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) = 1.30 W/kg

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

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

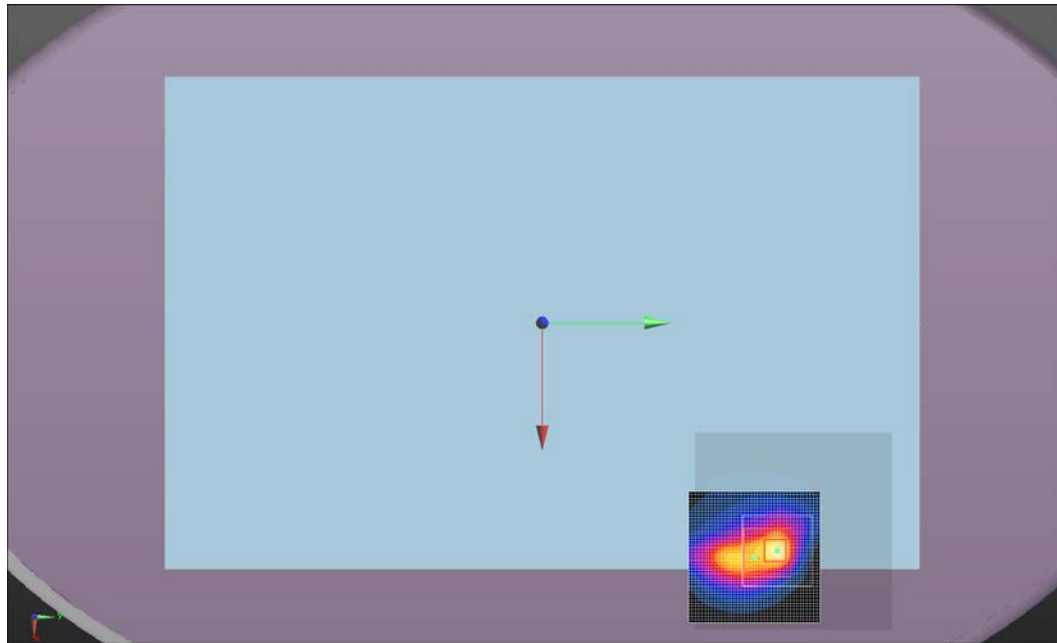
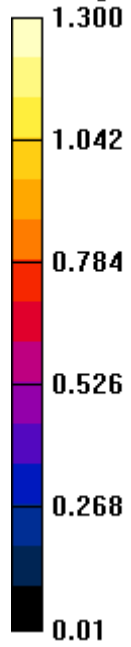
Maximum value of Total (measured) = 24.86 V/m

Maximum value of SAR (measured) = 0.606 W/kg



Approved By

Test 35a
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	21
Serial Number:	008	Humidity (%RH):	34
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 35b

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 844 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 53.748$; $\rho = 1000$ 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) = 1.21 W/kg

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

Reference Value = 38.604 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.450 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) = 1.29 W/kg

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

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

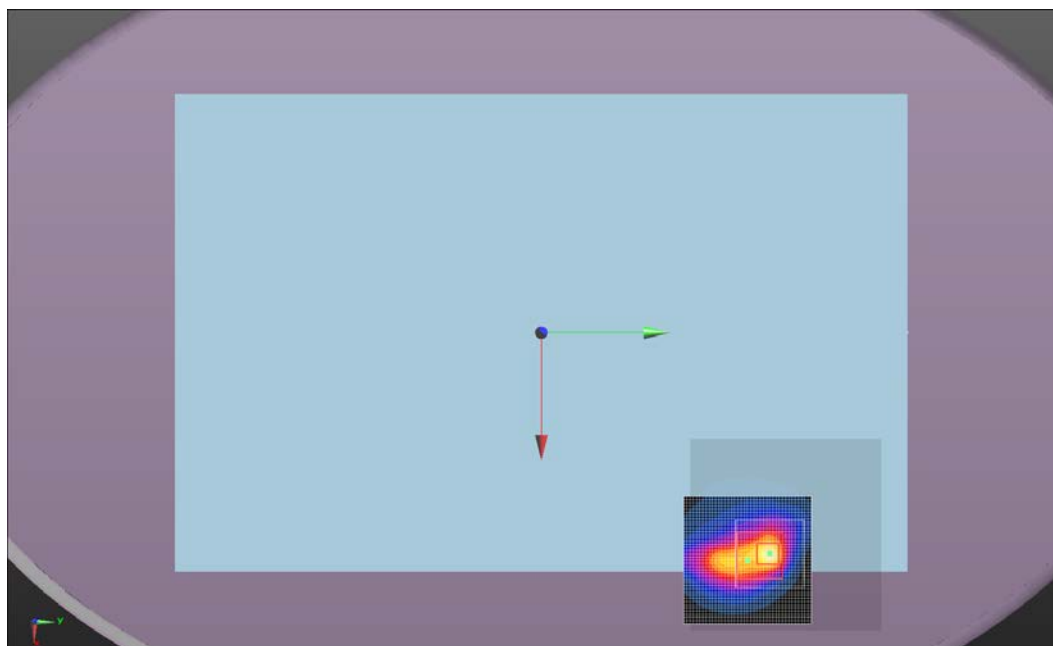
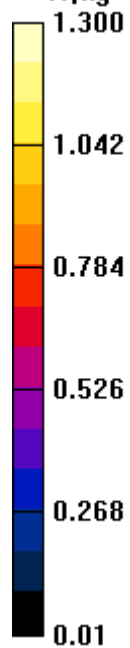
Maximum value of Total (measured) = 24.80 V/m

Maximum value of SAR (measured) = 0.606 W/kg



Approved By

Test 35b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/7/2014	Liquid Temperature (°C):	20.6
Serial Number:	008	Humidity (%RH):	35
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 36

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

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz); Frequency: 829 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 55.919$; $\rho = 1000$ 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

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

Maximum value of SAR (interpolated) = 0.0295 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) = 0.0427 W/kg

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

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

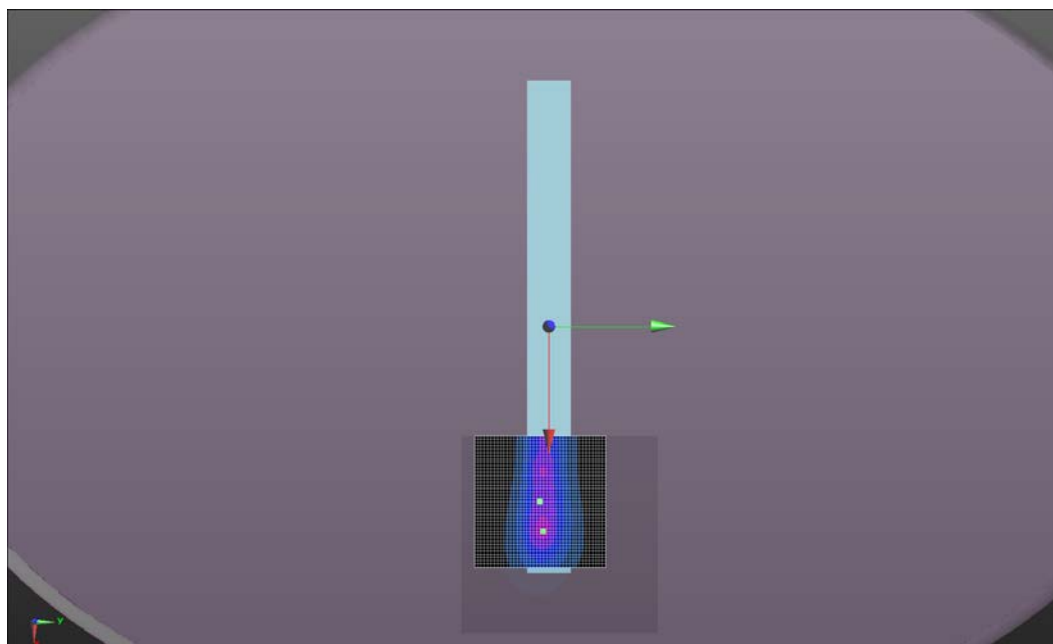
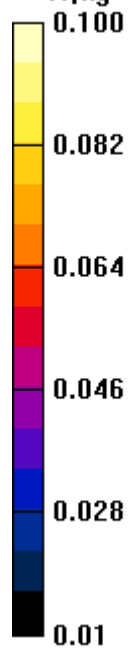
Maximum value of SAR (measured) = 0.0420 W/kg



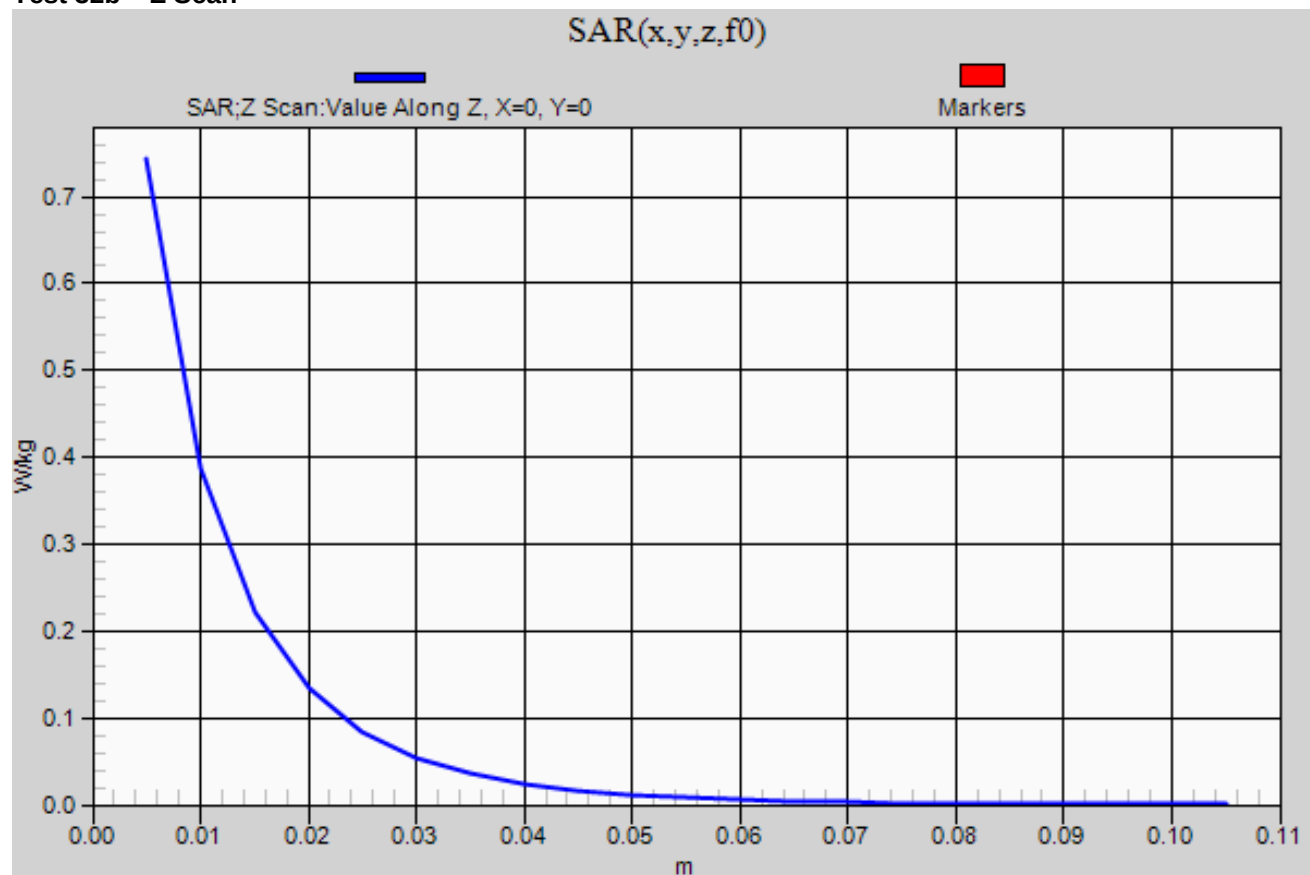
Approved By

Test 36

W/kg



Test 32b – 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	7	2514	20890	QPSK 1RB offset 0	20MHz	Tablet	Top	-0.35	0.22	0.08	37
Body	LTE	7	2514	20890	QPSK 1RB offset 0	20MHz	Tablet	Back	N/A	0.01	0.01	38
Body	LTE	7	2514	20890	QPSK 1RB offset 0	20MHz	Tablet	Right	N/A	0.04	0.04	39
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tablet	Top	-0.47	0.16	0.06	40
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tablet	Back	N/A	0.01	0.01	41
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tablet	Right	N/A	0.04	0.04	42
Body	LTE	7	2514	20890	QPSK 1RB offset 0	20MHz	Tent	Top	0.18	0.20	0.07	43
Body	LTE	7	2514	20890	QPSK 1RB offset 0	20MHz	Tent	Back	-0.11	0.76	0.32	44
Body	LTE	7	2527	21020	QPSK 1RB offset 0	20MHz	Tent	Back	-0.04	0.80	0.33	44a
Body	LTE	7	2562.5	21375	QPSK 1RB offset 0	20MHz	Tent	Back	-0.02	0.84	0.32	44b
Body	LTE	7	2514	20890	QPSK 1RB offset 0	20MHz	Tent	Right	N/A	0.04	0.04	45
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tent	Top	0.14	0.15	0.05	46
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tent	Back	0.00	0.58	0.24	47
Body	LTE	7	2527	21020	QPSK 50 RB offset 0	20MHz	Tent	Back	-0.02	0.62	0.25	47a
Body	LTE	7	2562.5	21375	QPSK 36 RB offset 0	20MHz	Tent	Back	0.01	0.66	0.26	47b
Body	LTE	7	2514	20890	QPSK 50 RB offset 0	20MHz	Tent	Right	N/A	0.03	0.03	48

Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/12/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 37

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.119 W/kg

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

Reference Value = 11.663 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.082 W/kg

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

Maximum value of SAR (measured) = 0.272 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) = 0.192 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) = 7.879 V/m

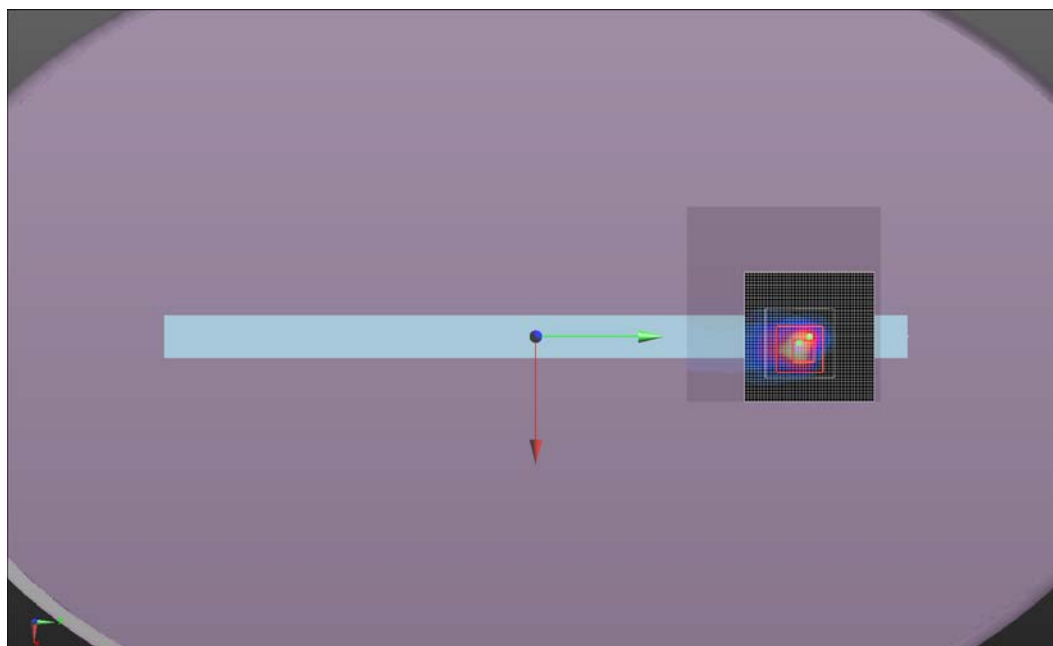
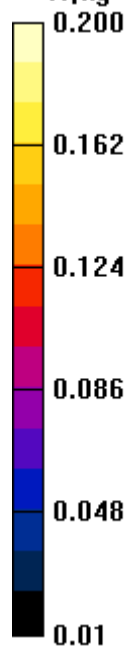
Maximum value of SAR (measured) = 0.129 W/kg




Approved By

Test 37

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 38

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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(7331)

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) = 0.00731 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) = 0.00708 W/kg

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

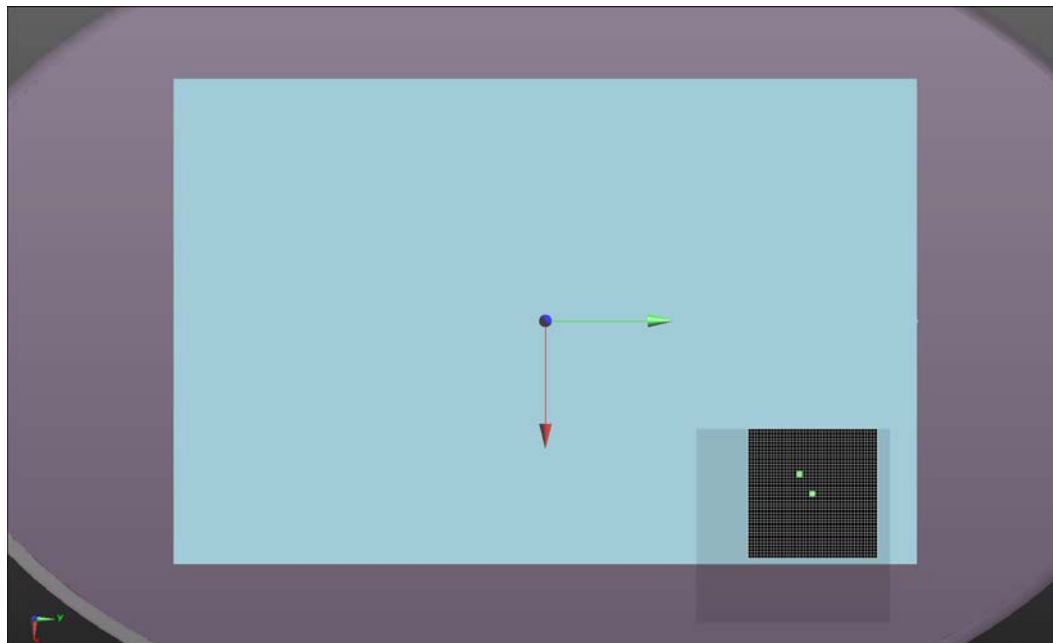
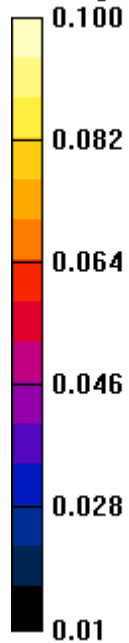
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.00512 W/kg

 
Approved By

Test 38

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/12/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 39

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.0160 W/kg

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

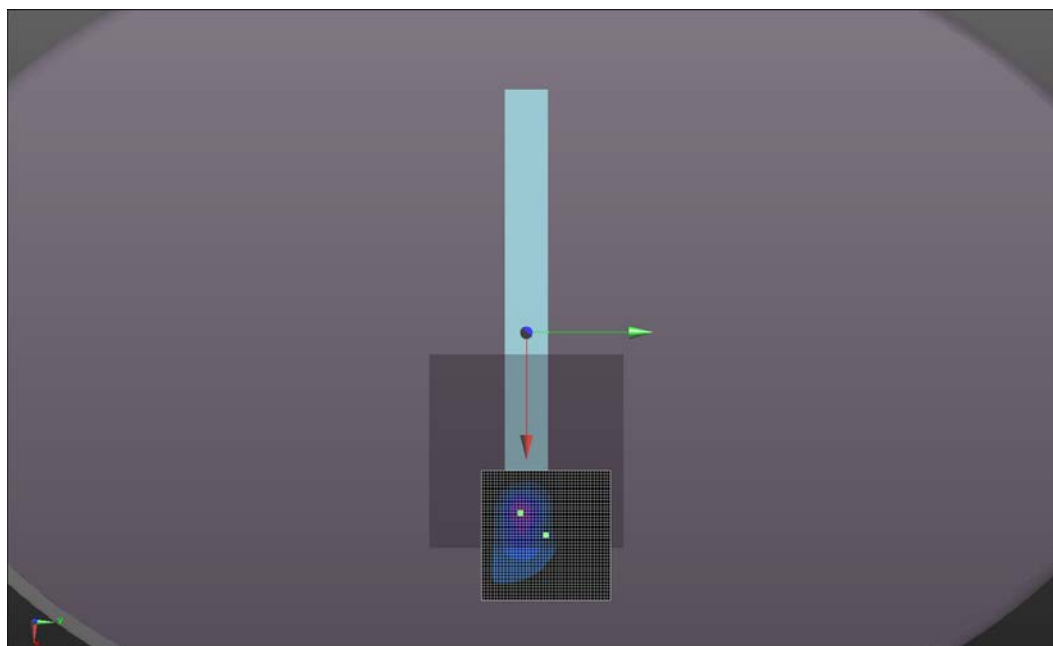
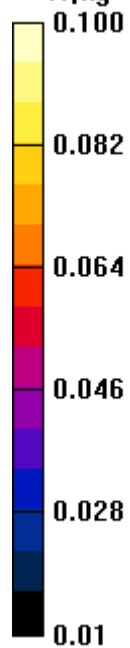
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0421 W/kg

Approved By

Test 39

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/12/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 40

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.0783 W/kg

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

Reference Value = 10.197 V/m; Power Drift = -0.47 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.061 W/kg

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

Maximum value of SAR (measured) = 0.204 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) = 0.129 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) = 6.701 V/m

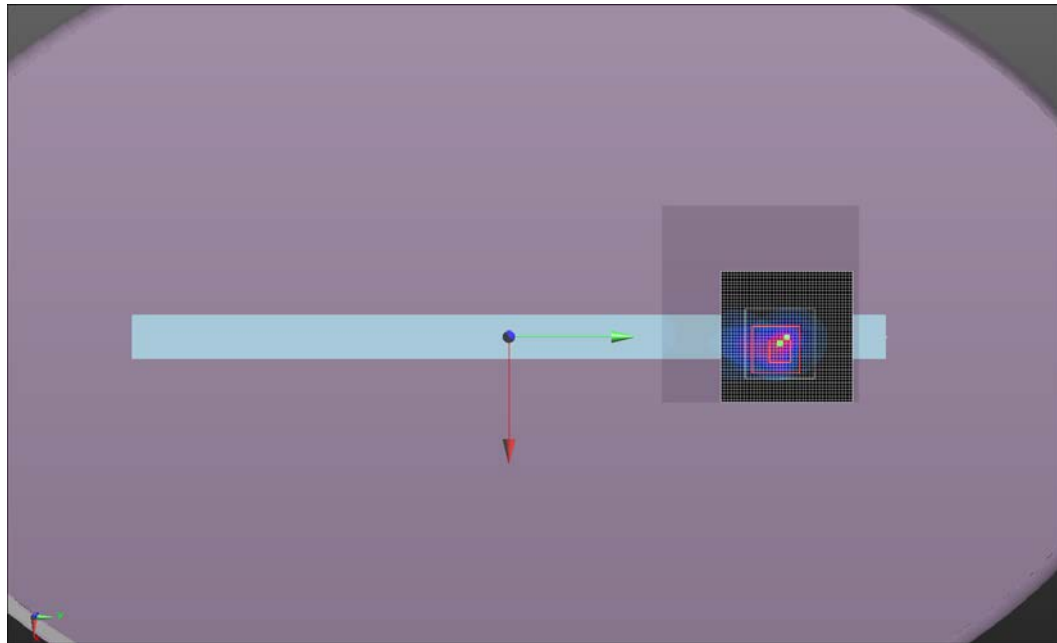
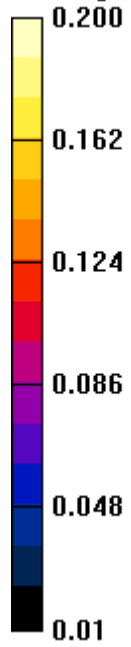
Maximum value of SAR (measured) = 0.0932 W/kg




Approved By

Test 40

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 41

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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(7331)

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) = 0.0564 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) = 0.00626 W/kg

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

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

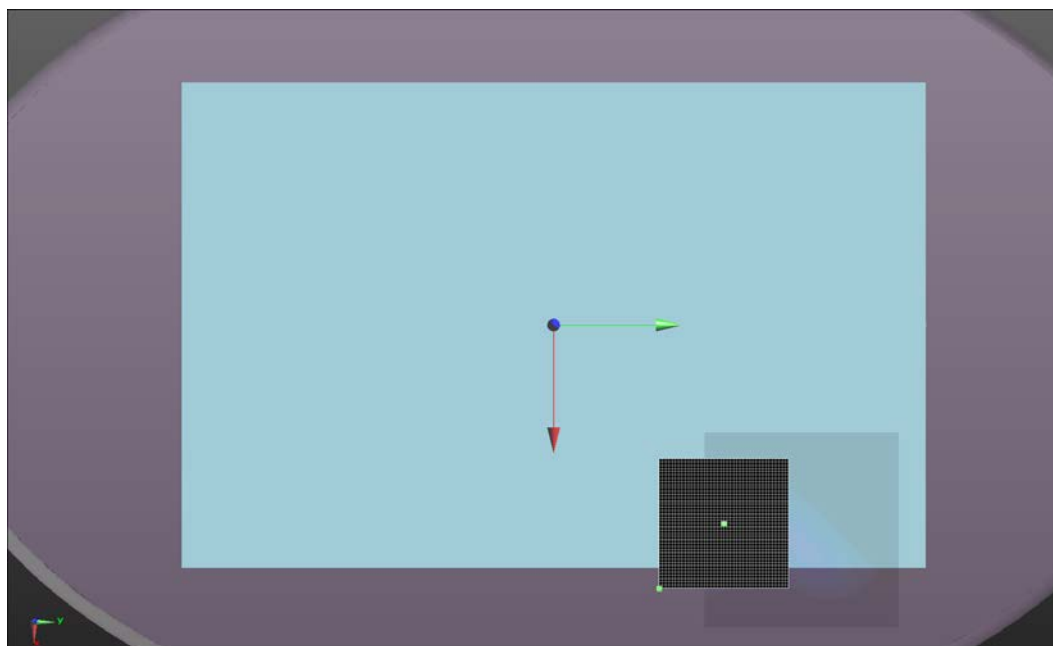
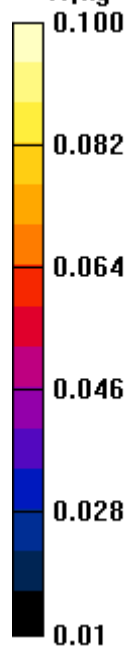
Maximum value of SAR (measured) = 0.00626 W/kg




Approved By

Test 41

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/12/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 42

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.0255 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.](#)

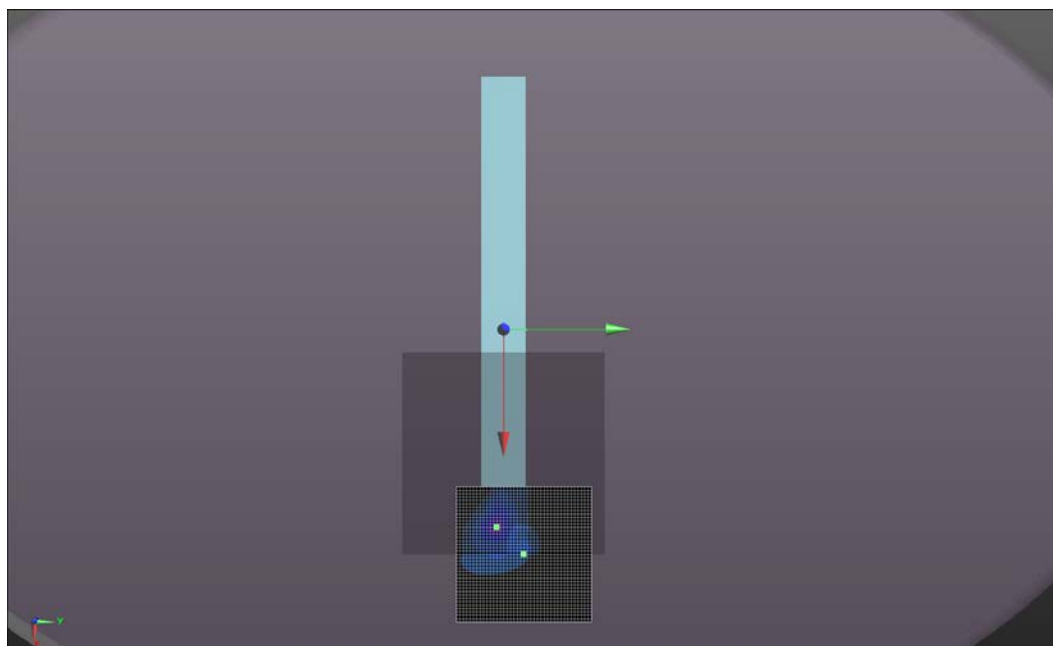
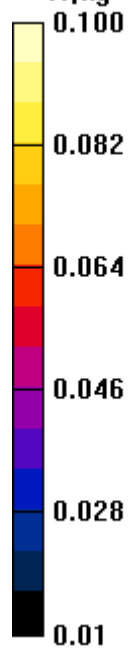
Maximum value of SAR (interpolated) = 0.0377 W/kg




Approved By

Test 42

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 43

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.247 W/kg

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

Reference Value = 12.384 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.069 W/kg

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

Maximum value of SAR (measured) = 0.312 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) = 0.311 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) = 7.894 V/m

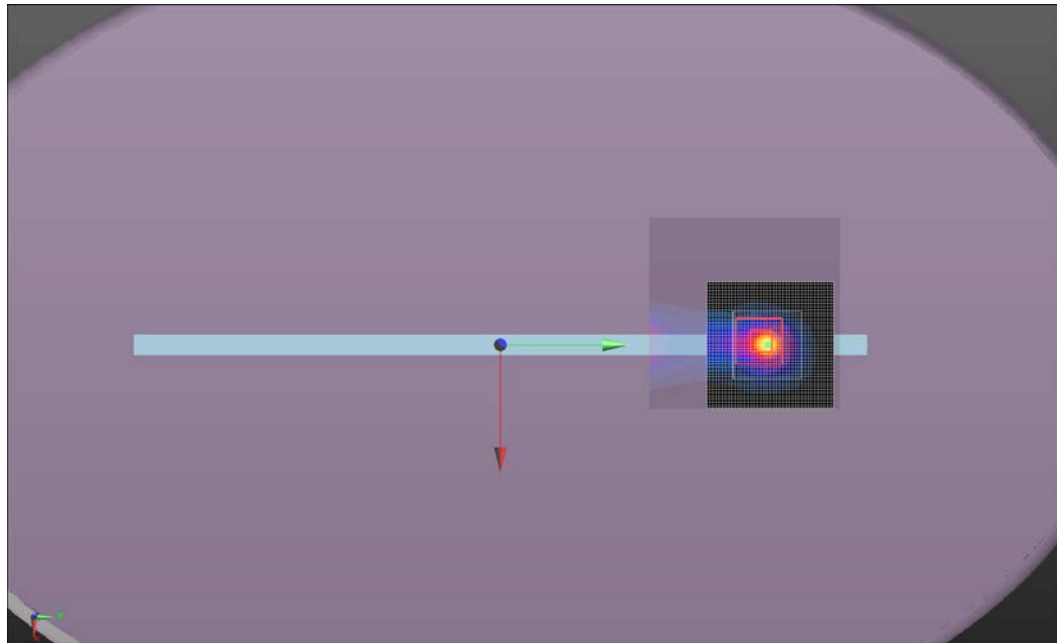
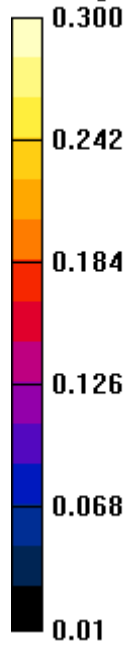
Maximum value of SAR (measured) = 0.129 W/kg




Approved By

Test 43

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 44

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.469 W/kg

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

Reference Value = 20.771 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.317 W/kg

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

Maximum value of SAR (measured) = 0.891 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) = 0.757 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) = 12.76 V/m

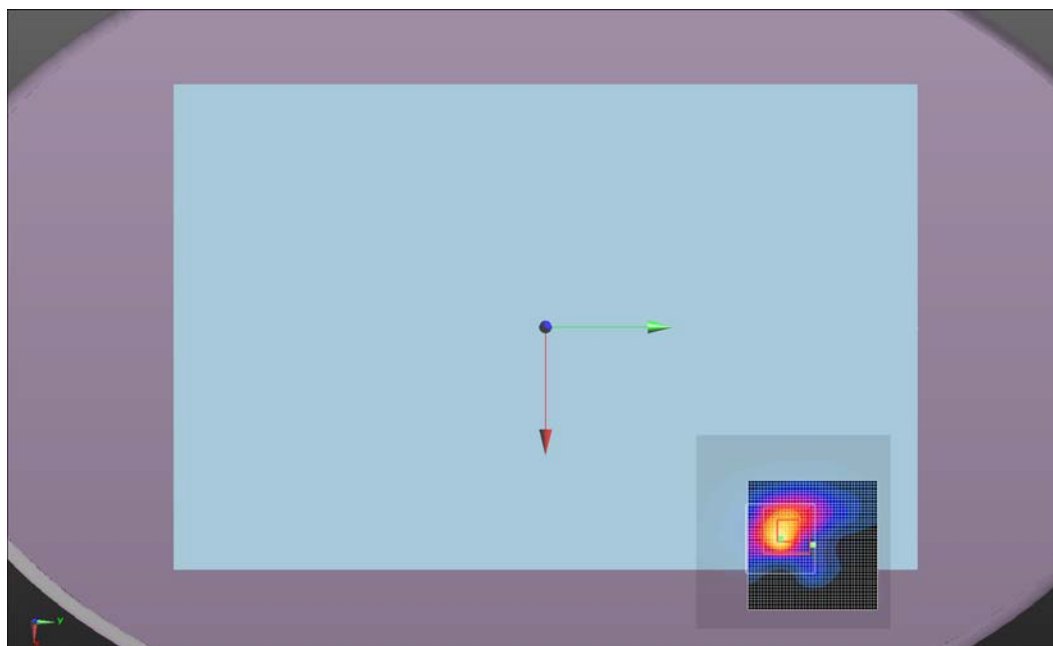
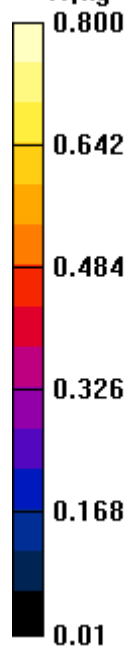
Maximum value of SAR (measured) = 0.338 W/kg



Approved By

Test 44

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.6
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	37
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 44a

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2527 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2527$ MHz; $\sigma = 2.099$ S/m; $\epsilon_r = 51.27$; $\rho = 1000$ 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) = 0.538 W/kg

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

Reference Value = 22.289 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.327 W/kg

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

Maximum value of SAR (measured) = 1.04 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) = 0.737 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) = 13.47 V/m

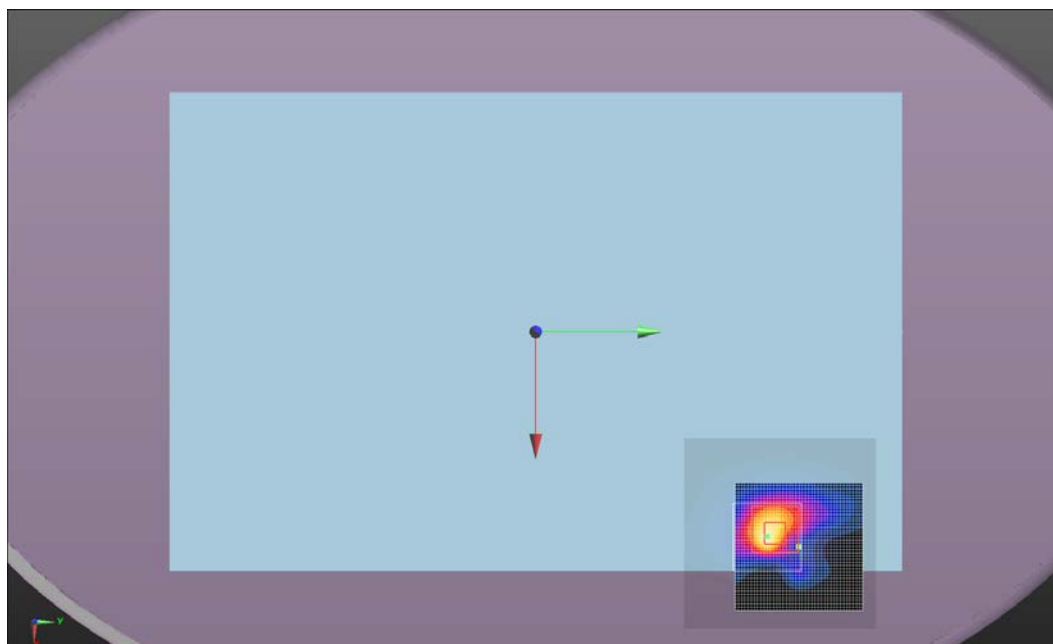
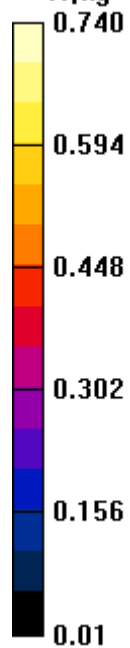
Maximum value of SAR (measured) = 0.381 W/kg



Approved By

Test 44a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.6
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	37
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 44b

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2562.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2562.5$ MHz; $\sigma = 2.135$ S/m; $\epsilon_r = 51.106$; $\rho = 1000$ 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) = 0.656 W/kg

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

Reference Value = 22.936 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.325 W/kg

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

Maximum value of SAR (measured) = 1.11 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) = 0.920 W/kg

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

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

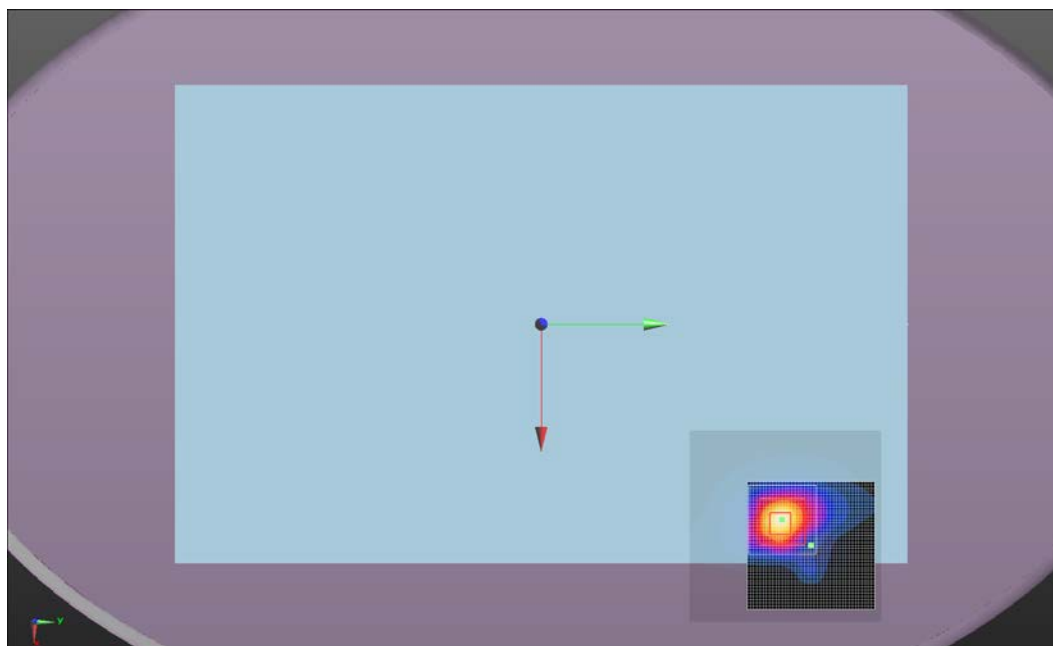
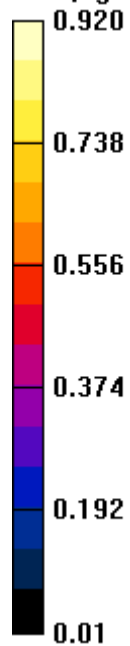
Maximum value of Total (measured) = 15.69 V/m

Maximum value of SAR (measured) = 0.525 W/kg



Approved By

Test 44b
W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.4
Date:	5/12/2014	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 45

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.0220 W/kg

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

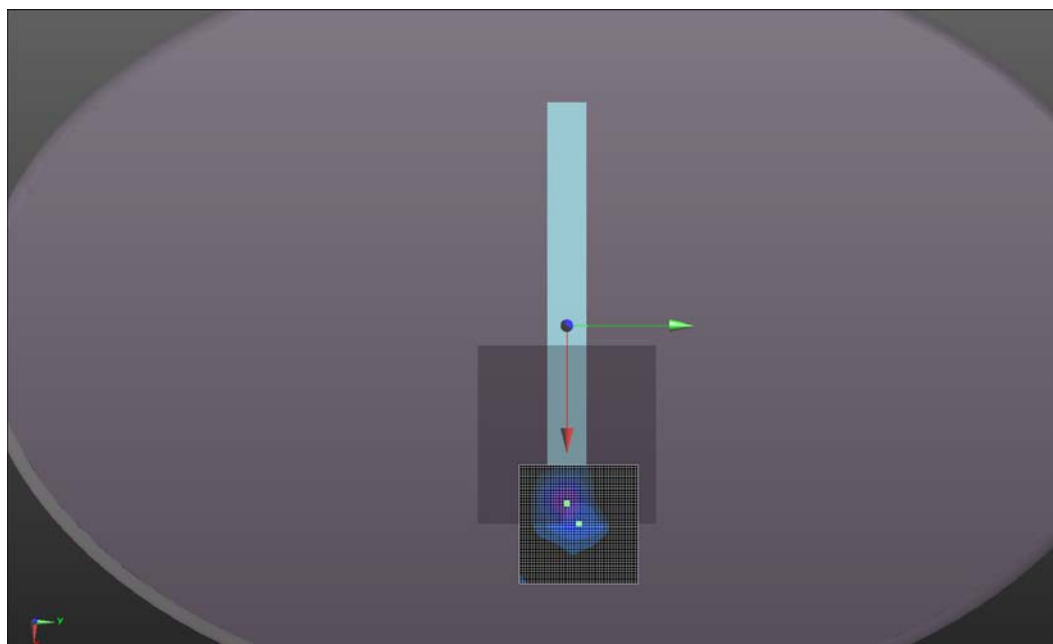
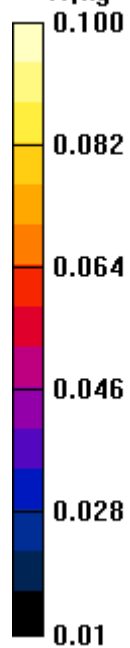
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0403 W/kg

 
Approved By

Test 45

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	37.4
Configuration:	INTE5453-1	Bar. Pressure (mb):	1026
Comments:	None		

Test 46

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.188 W/kg

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

Reference Value = 10.676 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.052 W/kg

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

Maximum value of SAR (measured) = 0.229 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) = 0.227 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) = 6.708 V/m

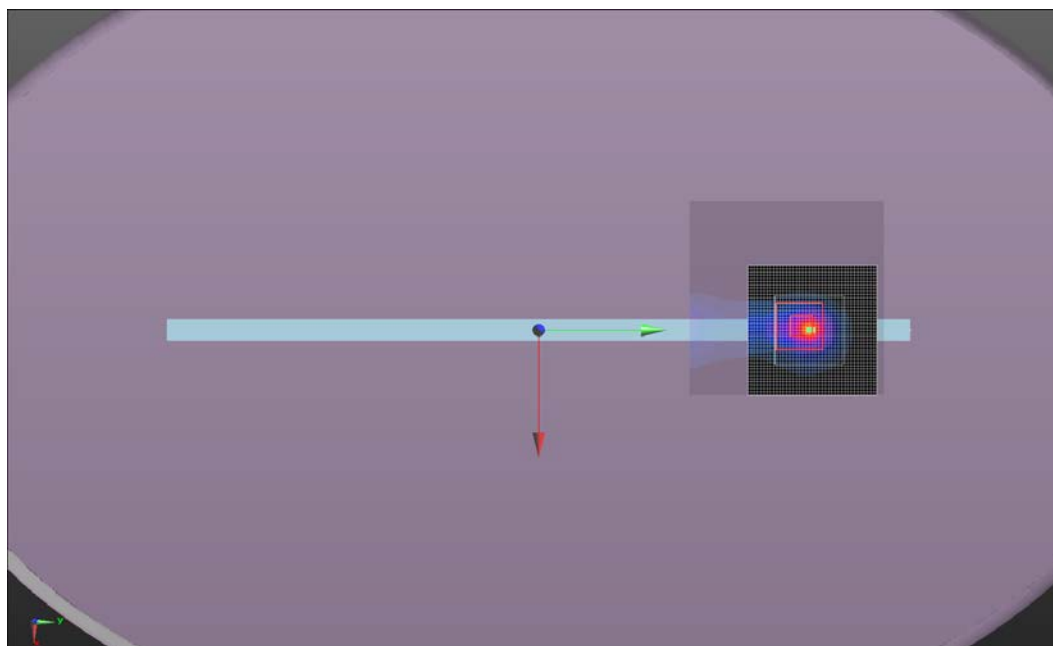
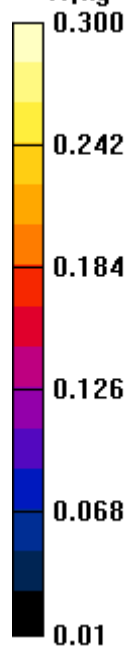
Maximum value of SAR (measured) = 0.0933 W/kg




Approved By

Test 46

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	42
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 47

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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 = 17.997 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.241 W/kg

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

Maximum value of SAR (measured) = 0.686 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) = 0.556 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) = 11.10 V/m

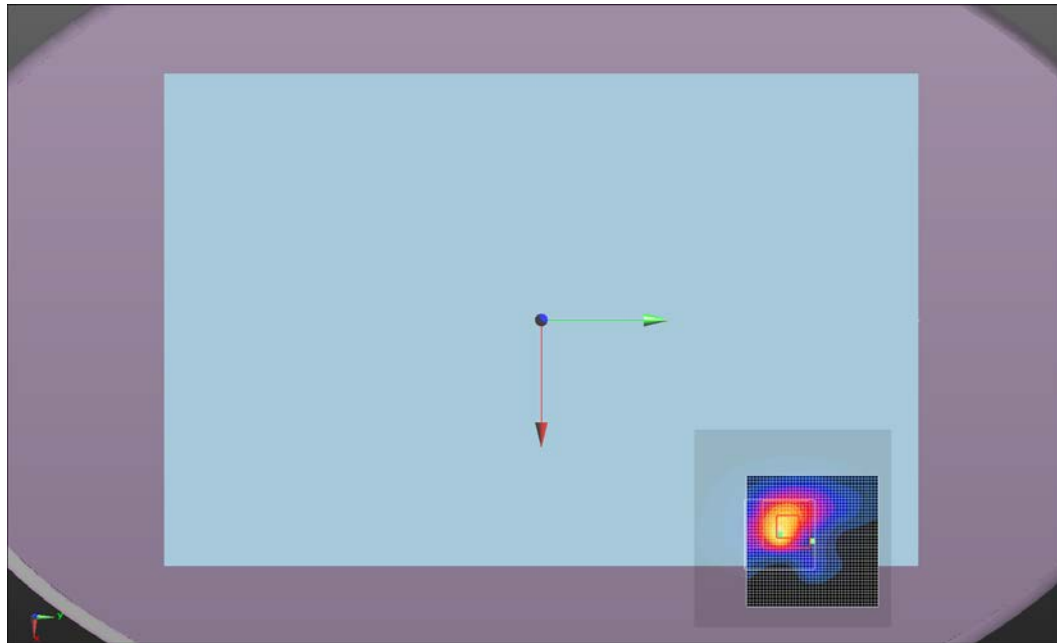
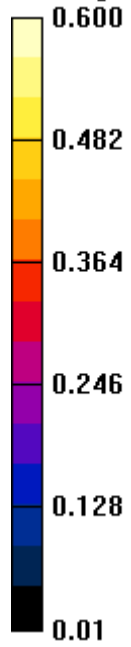
Maximum value of SAR (measured) = 0.256 W/kg



Approved By

Test 47

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 47a

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2527 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2527$ MHz; $\sigma = 2.099$ S/m; $\epsilon_r = 51.27$; $\rho = 1000$ 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) = 0.457 W/kg

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

Reference Value = 19.655 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.248 W/kg

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

Maximum value of SAR (measured) = 0.807 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) = 0.557 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) = 11.82 V/m

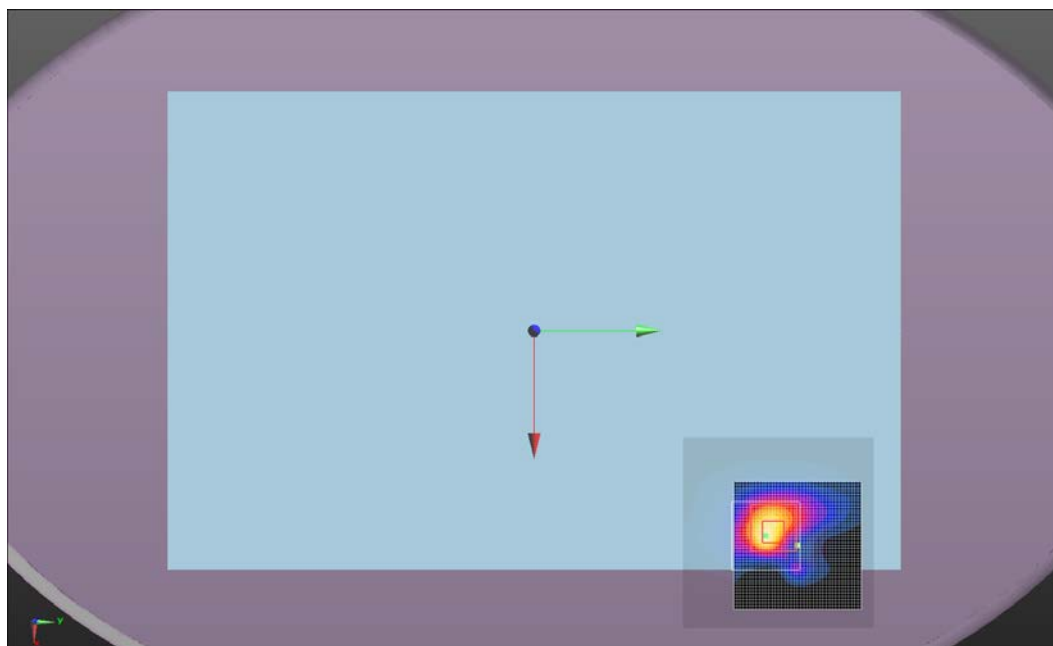
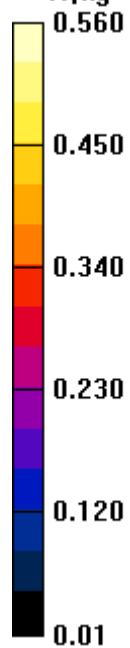
Maximum value of SAR (measured) = 0.293 W/kg



Approved By

Test 47a

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	5/9/2014	Liquid Temperature (°C):	22.1
Serial Number:	008	Humidity (%RH):	36
Configuration:	INTE5453-1	Bar. Pressure (mb):	1015
Comments:	None		

Test 47b

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2562.5 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2562.5$ MHz; $\sigma = 2.135$ S/m; $\epsilon_r = 51.106$; $\rho = 1000$ 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) = 0.537 W/kg

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

Reference Value = 20.247 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.256 W/kg

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

Maximum value of SAR (measured) = 0.866 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) = 0.717 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) = 13.86 V/m

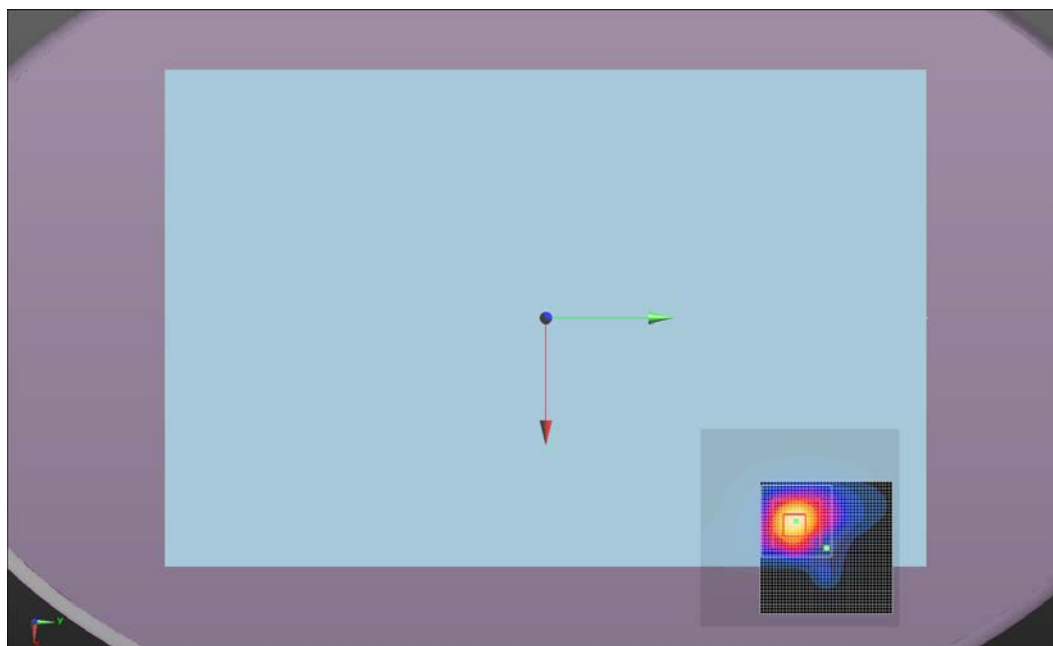
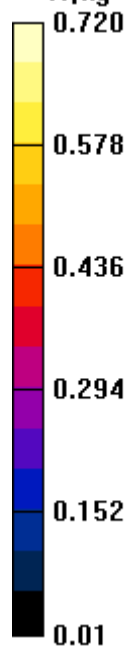
Maximum value of SAR (measured) = 0.410 W/kg



Approved By

Test 47b

W/kg



Tested By:	5/12/2014	Room Temperature (°C):	23.4
Date:	1026	Liquid Temperature (°C):	23
Serial Number:	008	Humidity (%RH):	35.2
Configuration:	Ethan Schoonover	Bar. Pressure (mb):	1026
Comments:	None		

Test 48

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

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz); Frequency: 2514 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2514$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.312$; $\rho = 1000$ 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) = 0.0264 W/kg

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

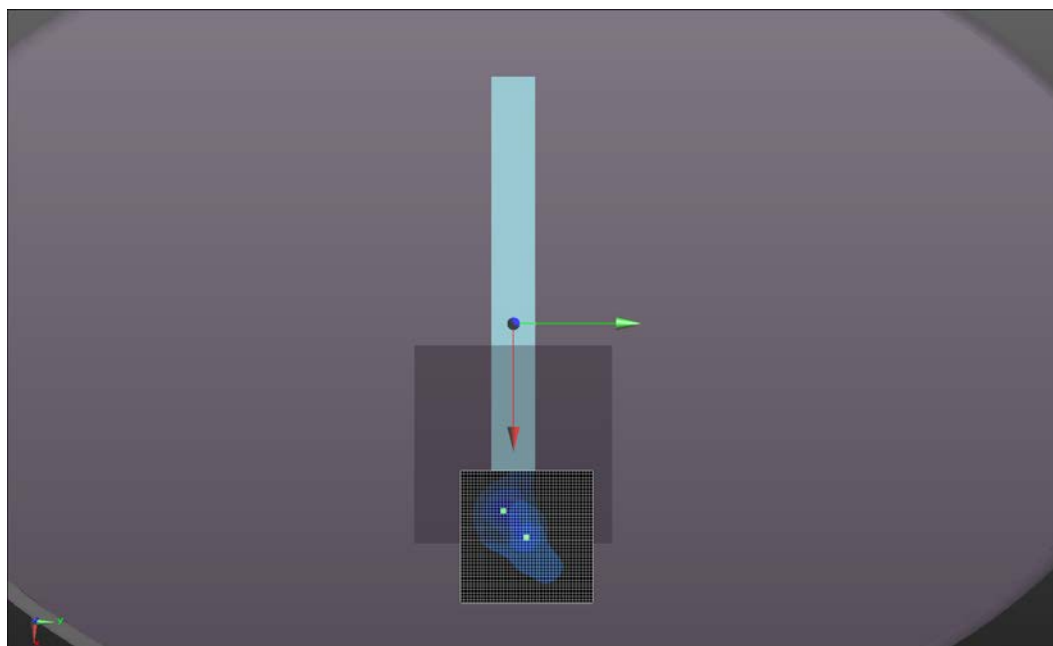
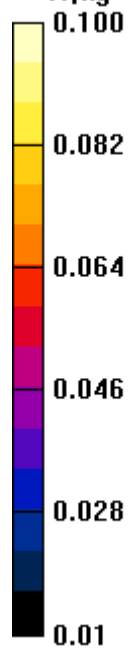
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.0325 W/kg

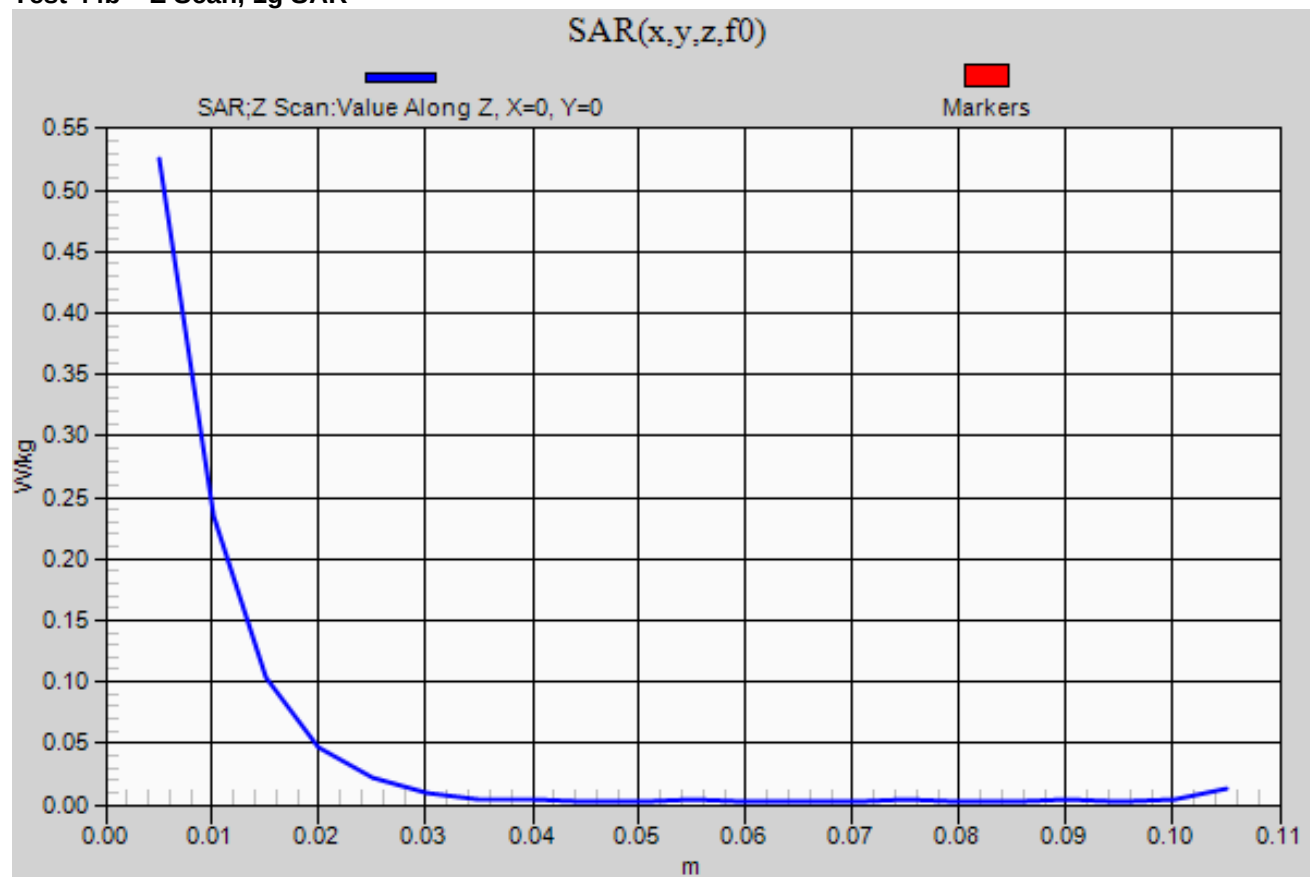
 
Approved By

Test 48

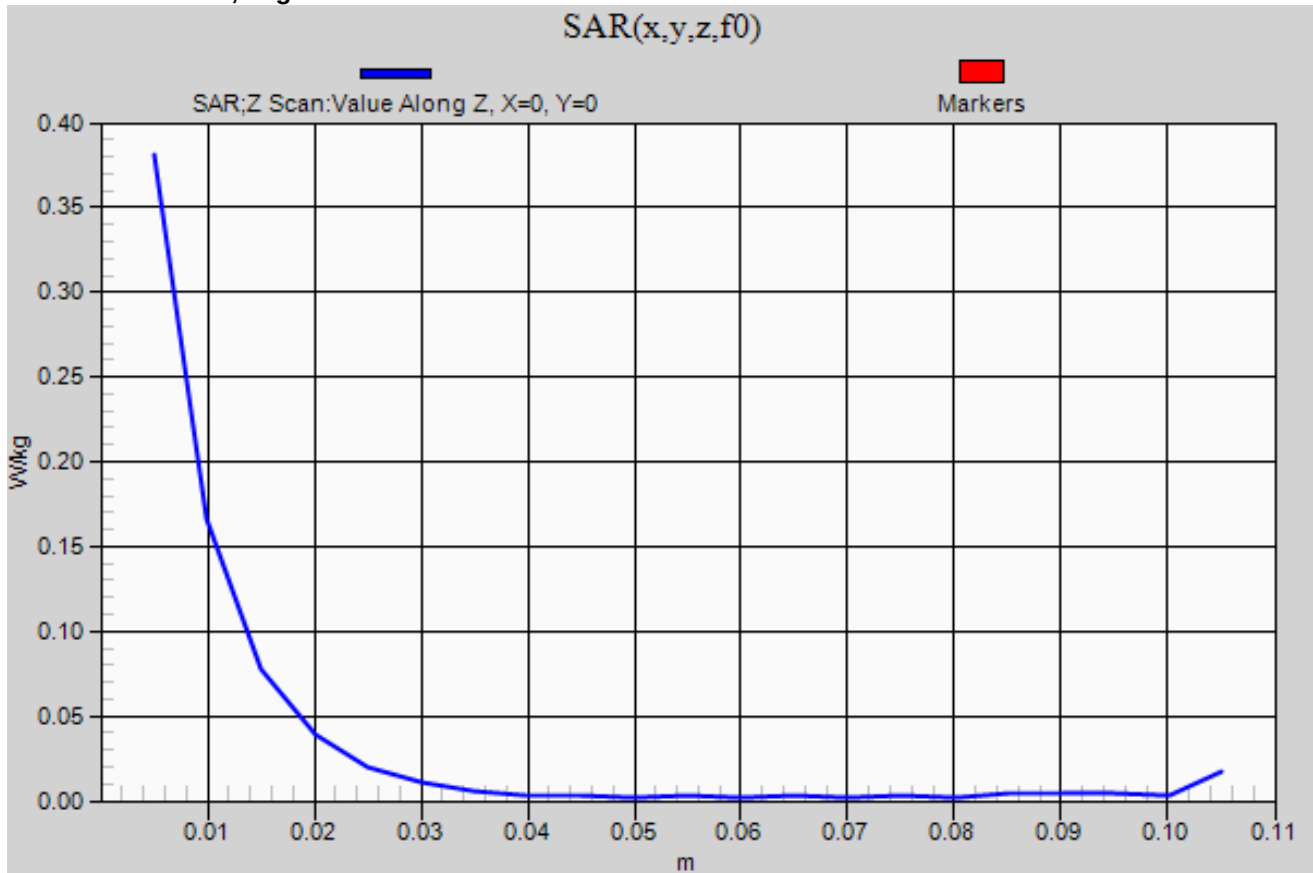
W/kg



Test 44b – Z Scan, 1g SAR



Test 44a – 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	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	13	782	23230	QPSK 1RB offset 24	10MHz	Tablet	Top	0.04	0.71	0.35	49a
Body	LTE	13	782	23230	QPSK 1RB offset 24	10MHz	Tablet	Back	0.00	0.24	0.15	50
Body	LTE	13	782	23230	QPSK 1RB offset 24	10MHz	Tablet	Right	N/A	0.07	0.07	51
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tablet	Top	0.08	0.62	0.31	52
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tablet	Back	0.06	0.21	0.13	53
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tablet	Right	N/A	0.06	0.06	54
Body	LTE	13	782	23230	QPSK 1RB offset 24	10MHz	Tent	Top	-0.10	0.62	0.30	55
Body	LTE	13	782	23230	QPSK 1RB offset 24	10MHz	Tent	Back	0.01	1.27	0.61	56a
Body	LTE	13	782	23230	QPSK 1RB offset 24	10MHz	Tent	Right	-0.08	0.11	0.07	57
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tent	Top	0.00	0.54	0.26	58
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tent	Back	0.00	1.18	0.56	59
Body	LTE	13	782	23230	QPSK 25RB offset 0	10MHz	Tent	Right	N/A	0.11	0.11	60

Tested By:	Ethan Schoonover	Room Temperature (°C):	22.9
Date:	5/12/2014	Liquid Temperature (°C):	22.3
Serial Number:	008	Humidity (%RH):	26
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 49a

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.526 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 = 31.360 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.350 W/kg

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

Maximum value of SAR (measured) = 0.953 W/kg

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

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

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

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

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

Maximum value of Total (measured) = 21.37 V/m

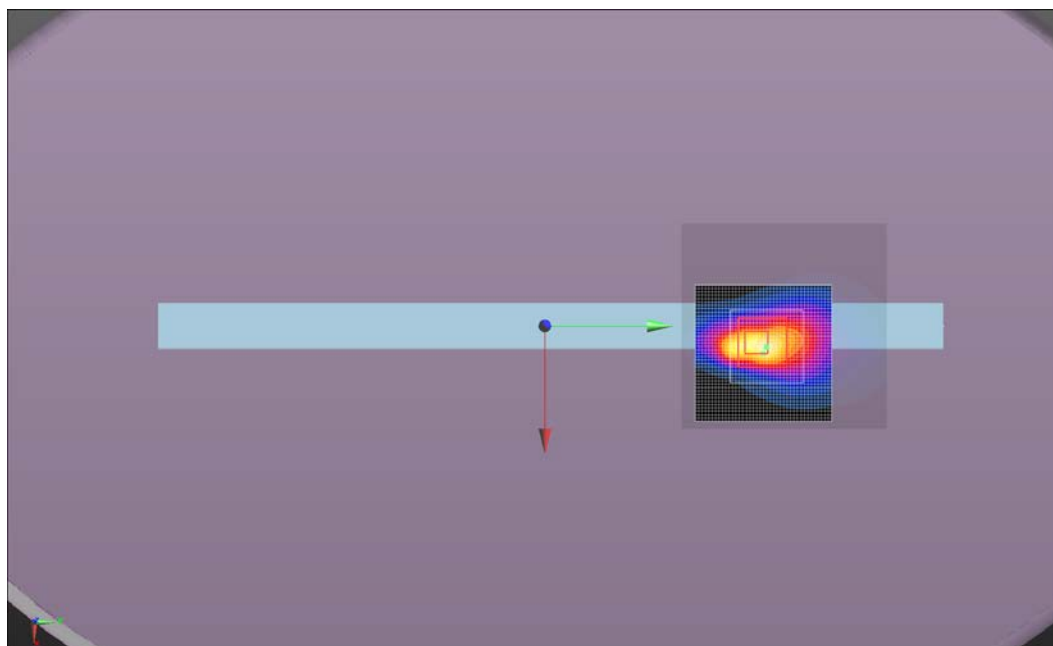
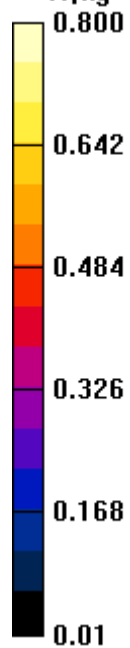
Maximum value of SAR (measured) = 0.456 W/kg




Approved By

Test 49a

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	23
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 50

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.293 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.702 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.243 W/kg ; SAR(10 g) = 0.147 W/kg

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

Maximum value of SAR (measured) = 0.292 W/kg

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

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

Maximum value of SAR (interpolated) = 0.298 W/kg

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

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

Maximum value of Total (measured) = 13.57 V/m

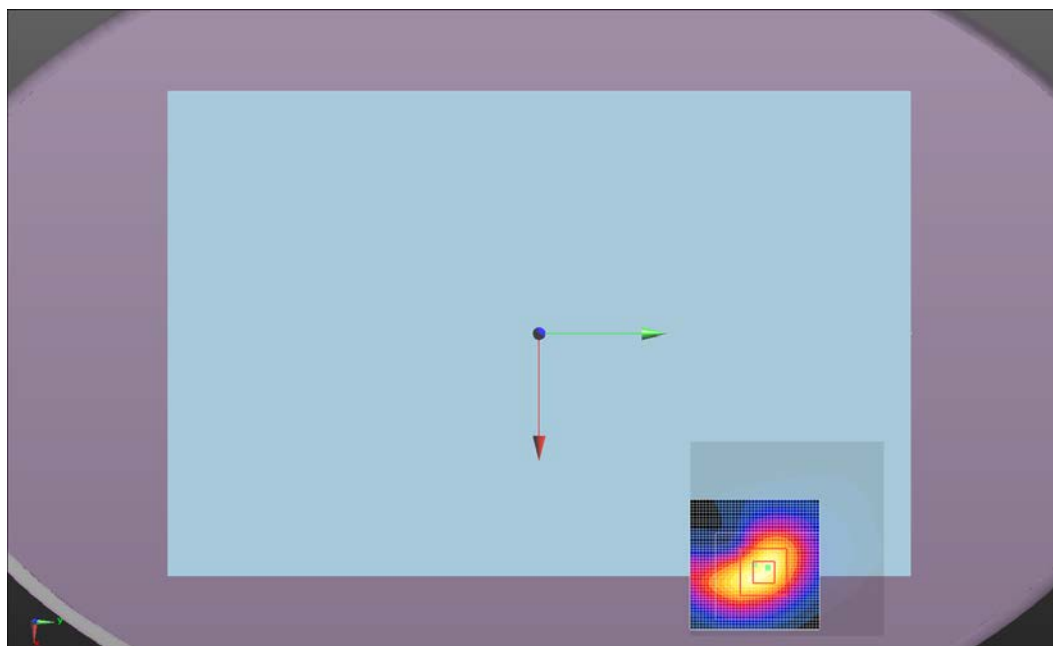
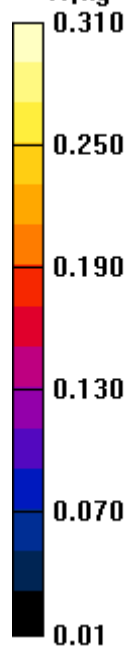
Maximum value of SAR (measured) = 0.184 W/kg




Approved By

Test 50

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	21.7
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	34
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 51

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.0480 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0714 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

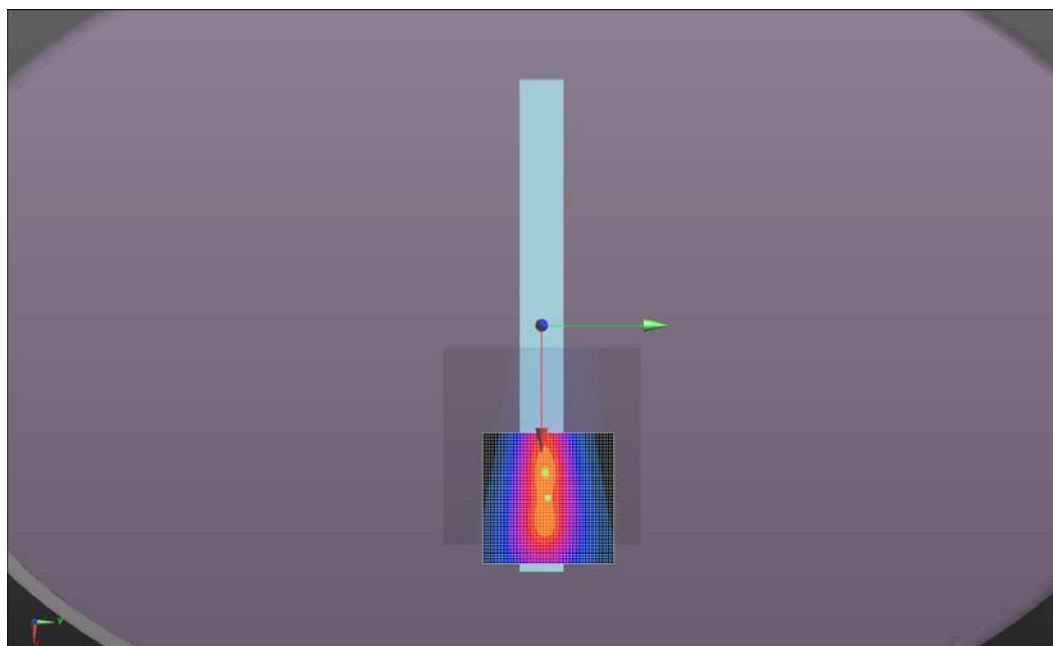
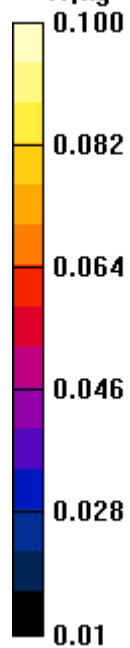
Maximum value of SAR (measured) = 0.0698 W/kg




Approved By

Test 51

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.9
Date:	5/12/2014	Liquid Temperature (°C):	22.3
Serial Number:	008	Humidity (%RH):	26
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 52

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.469 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 = 29.614 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.623 W/kg ; SAR(10 g) = 0.307 W/kg

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

Maximum value of SAR (measured) = 0.836 W/kg

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

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

Maximum value of SAR (interpolated) = 0.692 W/kg

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

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

Maximum value of Total (measured) = 20.11 V/m

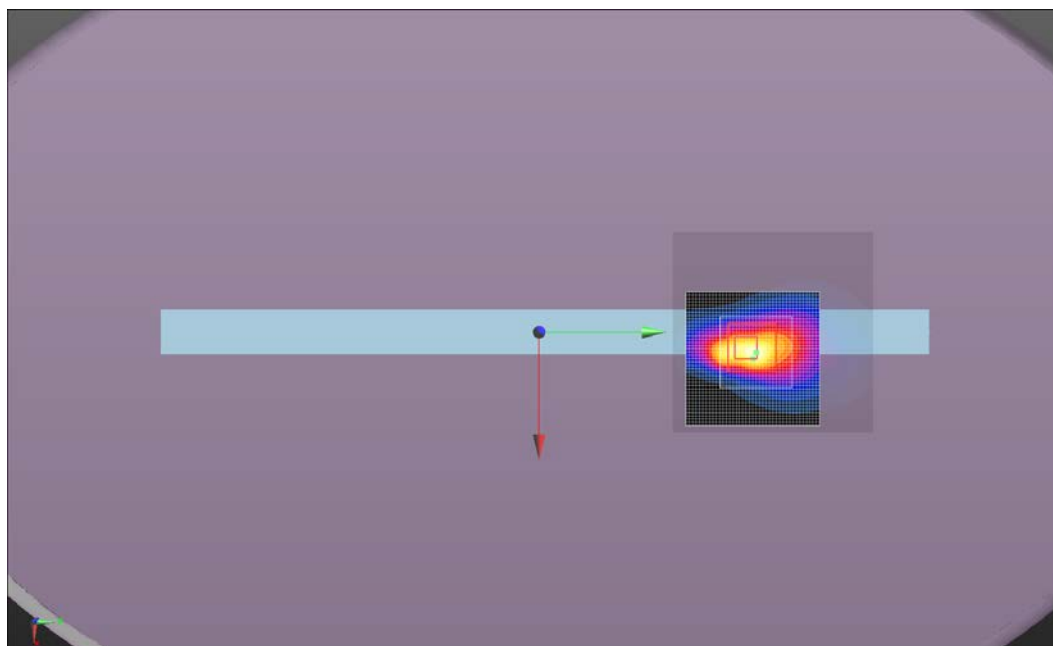
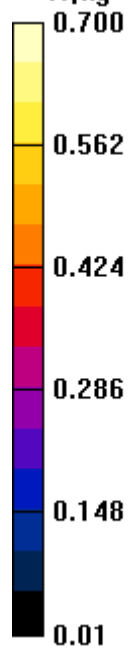
Maximum value of SAR (measured) = 0.404 W/kg




Approved By

Test 52

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	23
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 53

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.262 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.431 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.128 W/kg

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

Maximum value of SAR (measured) = 0.253 W/kg

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

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

Maximum value of SAR (interpolated) = 0.258 W/kg

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

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

Maximum value of Total (measured) = 12.68 V/m

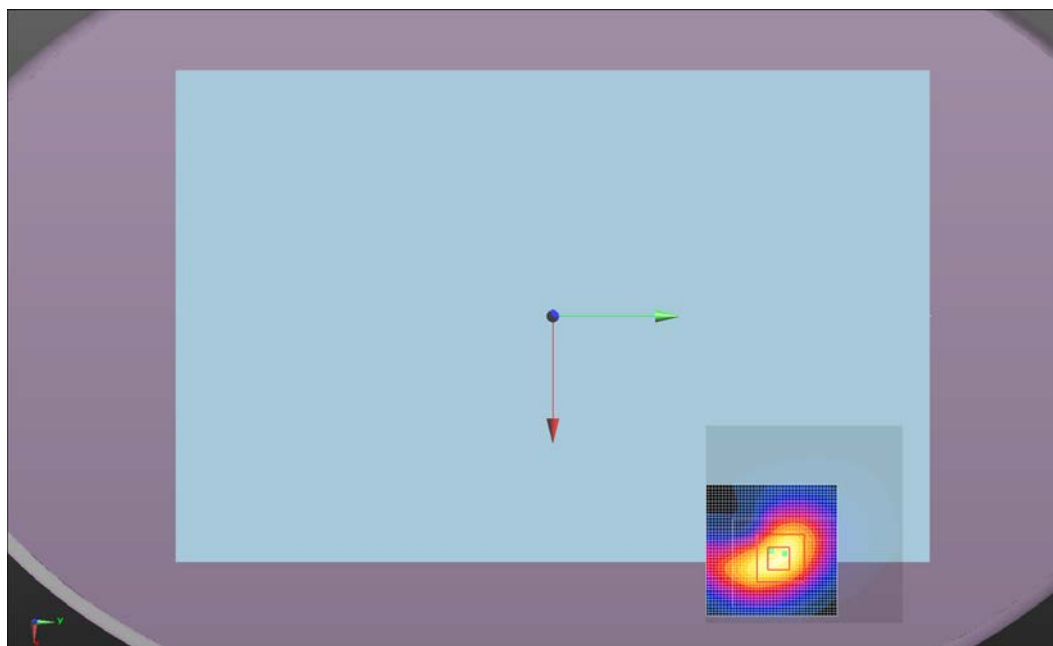
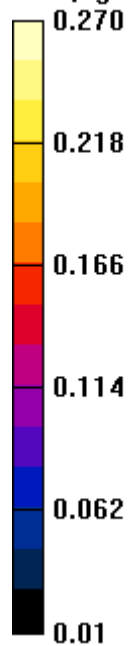
Maximum value of SAR (measured) = 0.161 W/kg




Approved By

Test 53

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	21.7
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	34
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 54

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.0457 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0585 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

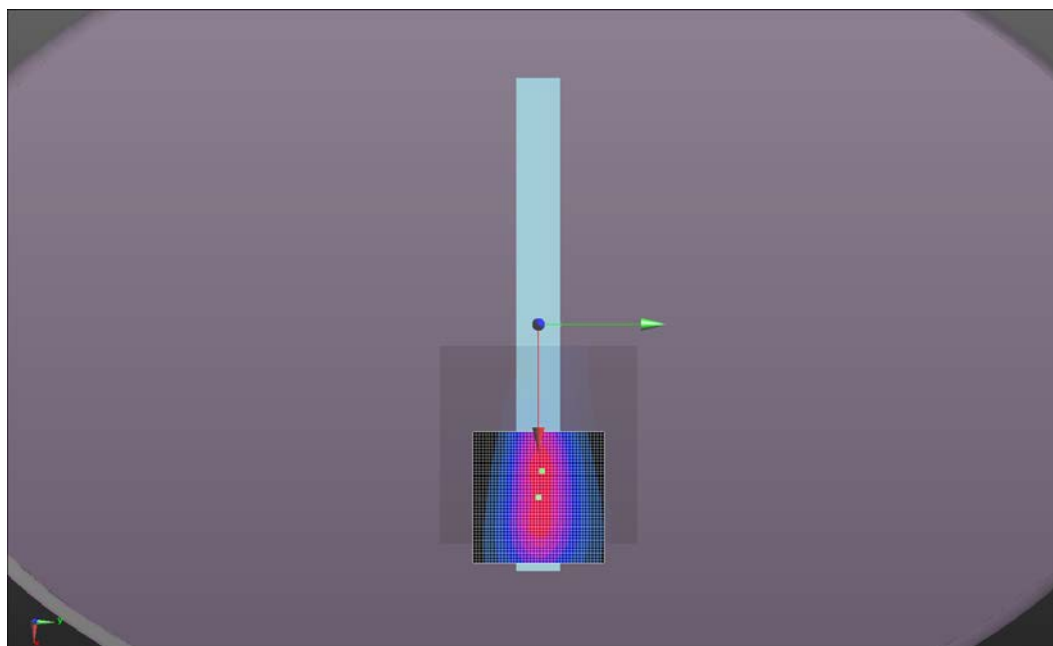
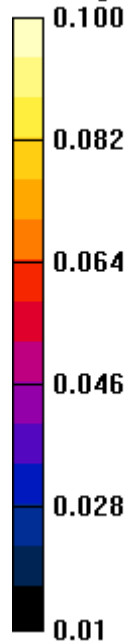
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0573 W/kg

 
Approved By

Test 54

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.2
Date:	5/12/2014	Liquid Temperature (°C):	21.9
Serial Number:	008	Humidity (%RH):	28
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 55

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.233 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 = 30.383 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.297 W/kg

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

Maximum value of SAR (measured) = 0.867 W/kg

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

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

Maximum value of SAR (interpolated) = 0.882 W/kg

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

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

Maximum value of Total (measured) = 20.41 V/m

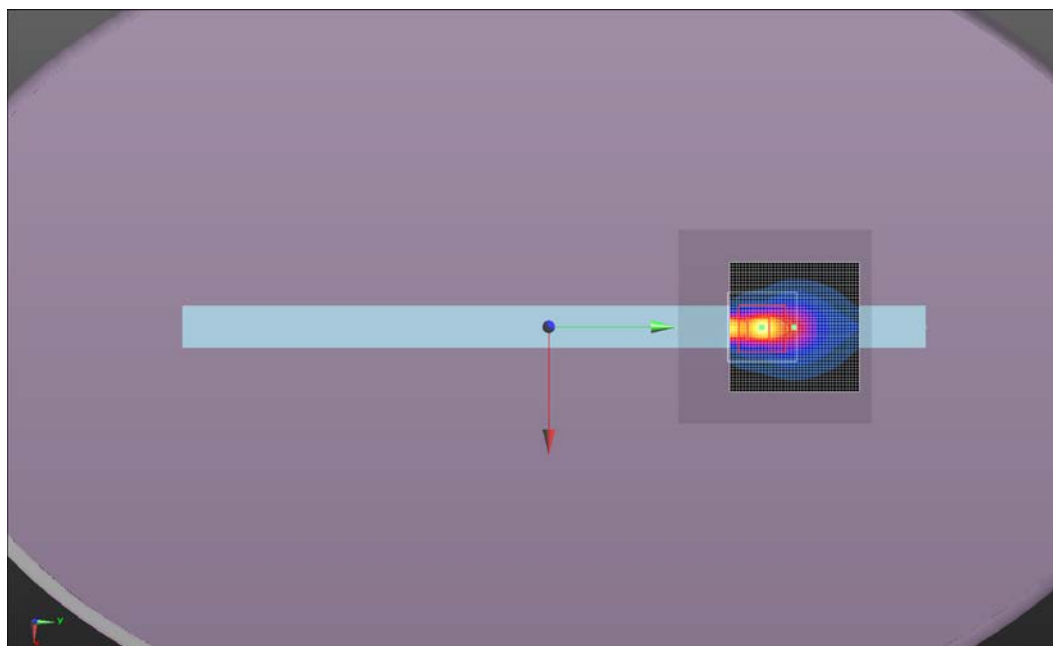
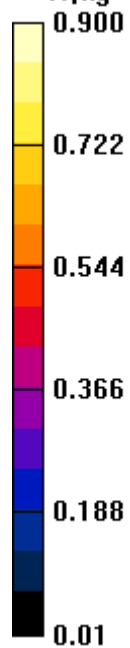
Maximum value of SAR (measured) = 0.416 W/kg




Approved By

Test 55

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.4
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	23
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 56a

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$, Medium parameters used: $\sigma = 0.996937 \text{ S/m}$, $\epsilon_r = 56.4841$; $\rho = 1 \text{ kg/m}^3$

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 mm, dy=3.000 mm

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

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

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

Reference Value = 43.588 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.612 W/kg

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

Maximum value of SAR (measured) = 1.78 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) = 1.64 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) = 28.27 V/m

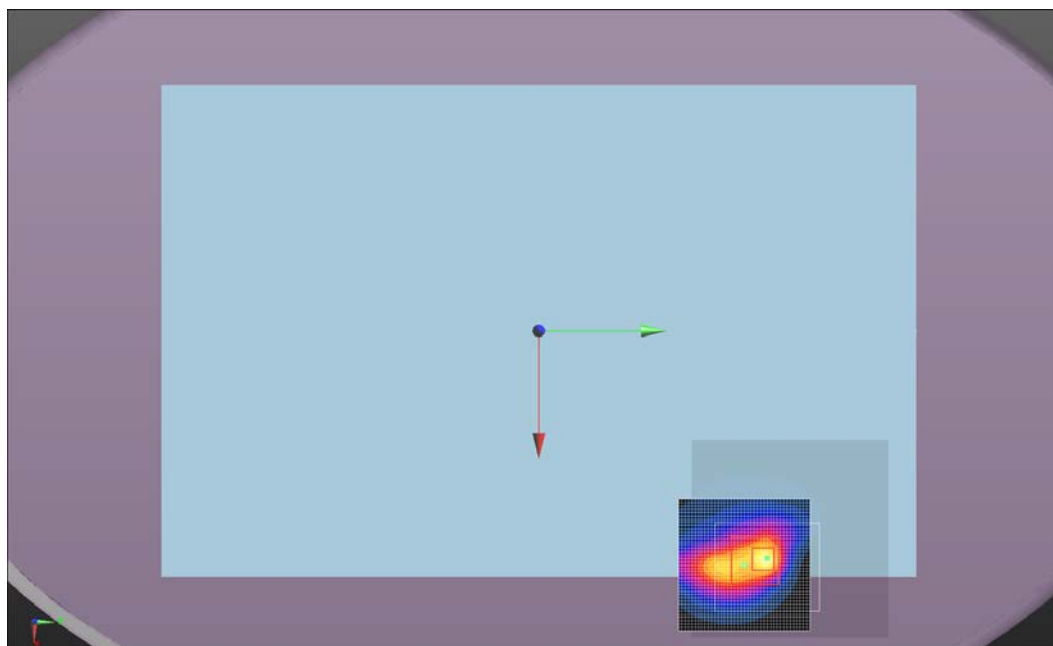
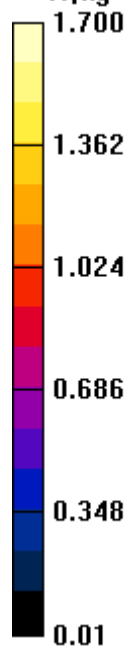
Maximum value of Ux (measured) = 587.7 uV




Approved By

Test 56a

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	21.9
Date:	5/12/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	31
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 57

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.040 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.073 W/kg

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

Maximum value of SAR (measured) = 0.134 W/kg

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) = 0.129 W/kg

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

Reference Value = 12.040 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.072 W/kg

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

Maximum value of SAR (measured) = 0.137 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) = 0.136 W/kg

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

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

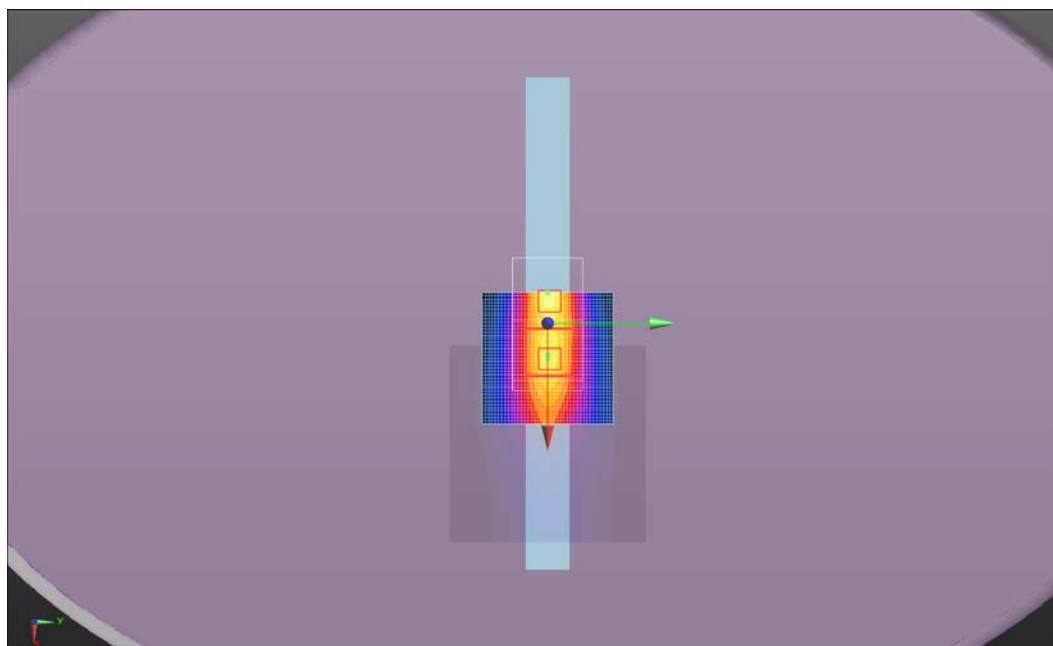
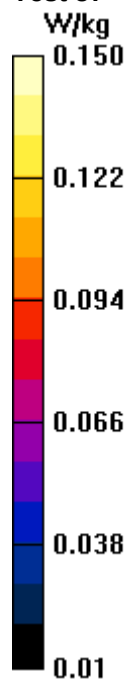
Maximum value of Total (measured) = 8.857 V/m

Maximum value of SAR (measured) = 0.0784 W/kg




Approved By

Test 57



Tested By:	Ethan Schoonover	Room Temperature (°C):	22.2
Date:	5/12/2014	Liquid Temperature (°C):	21.9
Serial Number:	008	Humidity (%RH):	28
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 58

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.192 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 = 28.462 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.258 W/kg

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

Maximum value of SAR (measured) = 0.754 W/kg

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

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

Maximum value of SAR (interpolated) = 0.703 W/kg

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

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

Maximum value of Total (measured) = 19.13 V/m

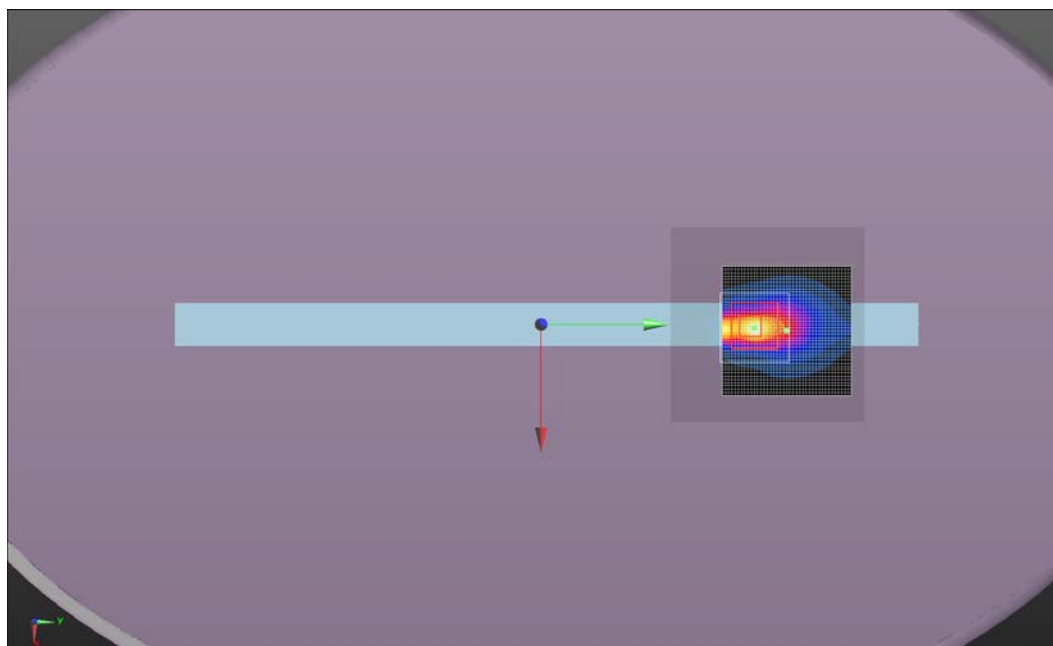
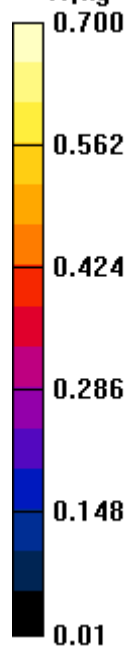
Maximum value of SAR (measured) = 0.366 W/kg




Approved By

Test 58

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	24.4
Date:	5/12/2014	Liquid Temperature (°C):	22.4
Serial Number:	008	Humidity (%RH):	23
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 59

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

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

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.151 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 1.18 W/kg ; SAR(10 g) = 0.565 W/kg

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

Maximum value of SAR (measured) = 1.65 W/kg

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

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

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

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

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

Maximum value of Total (measured) = 27.16 V/m

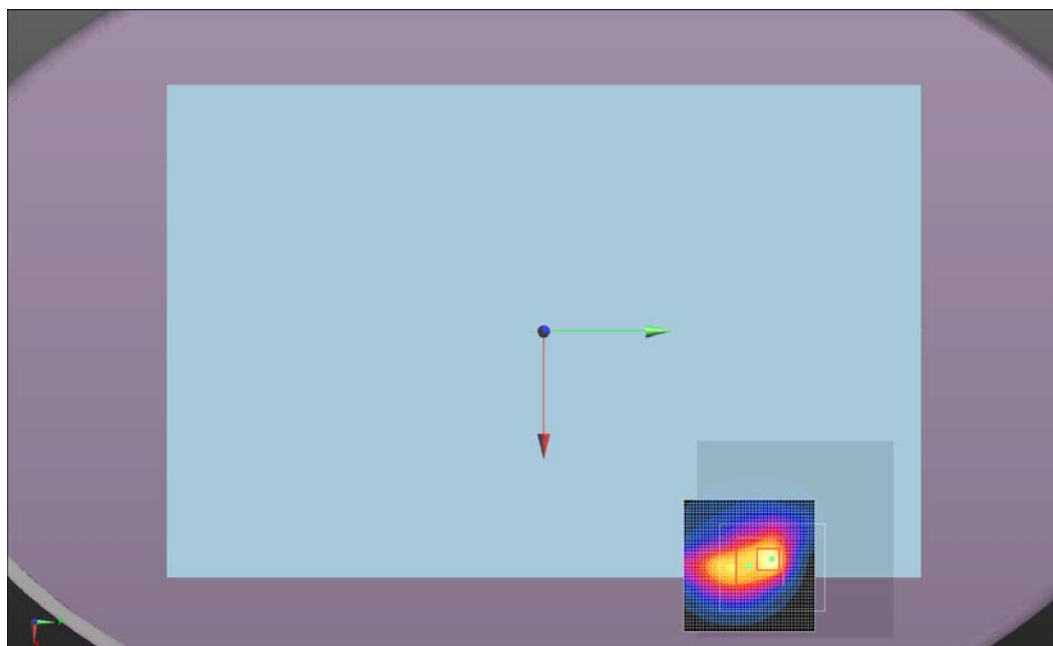
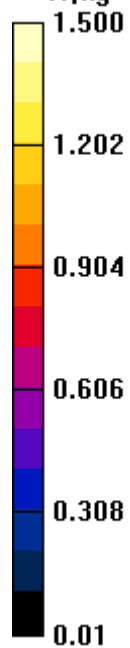
Maximum value of SAR (measured) = 0.737 W/kg




Approved By

Test 59

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	21.9
Date:	5/12/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	31
Configuration:	INTE5453-1	Bar. Pressure (mb):	1025
Comments:	None		

Test 60

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 782 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.457$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.109 W/kg

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

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

Maximum value of SAR (interpolated) = 0.110 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

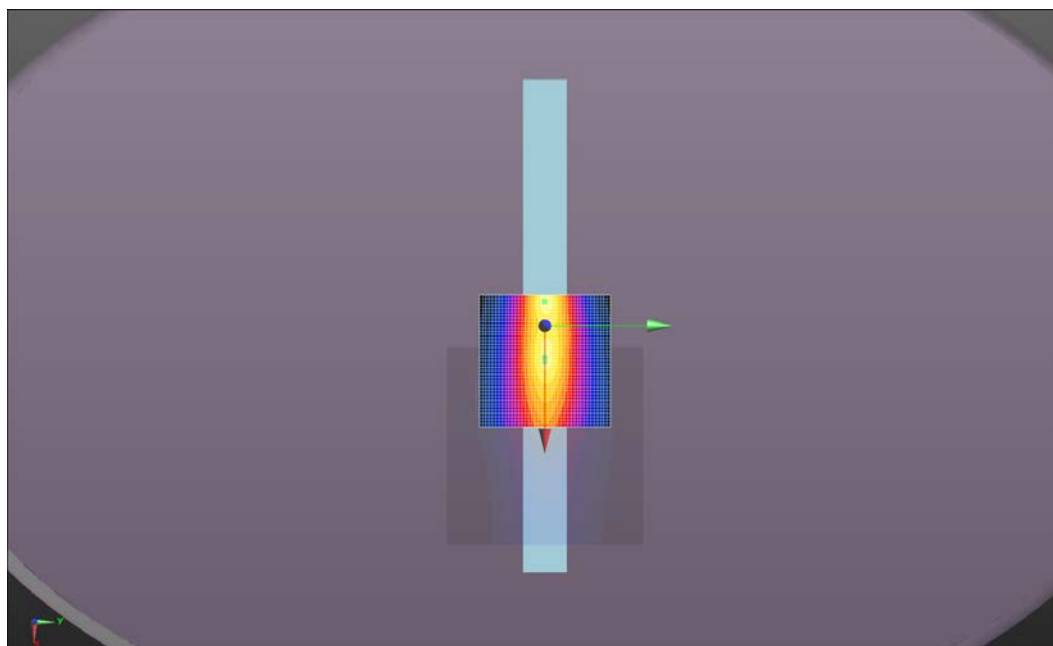
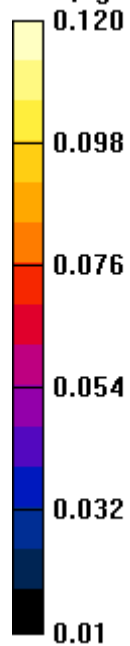
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.109 W/kg

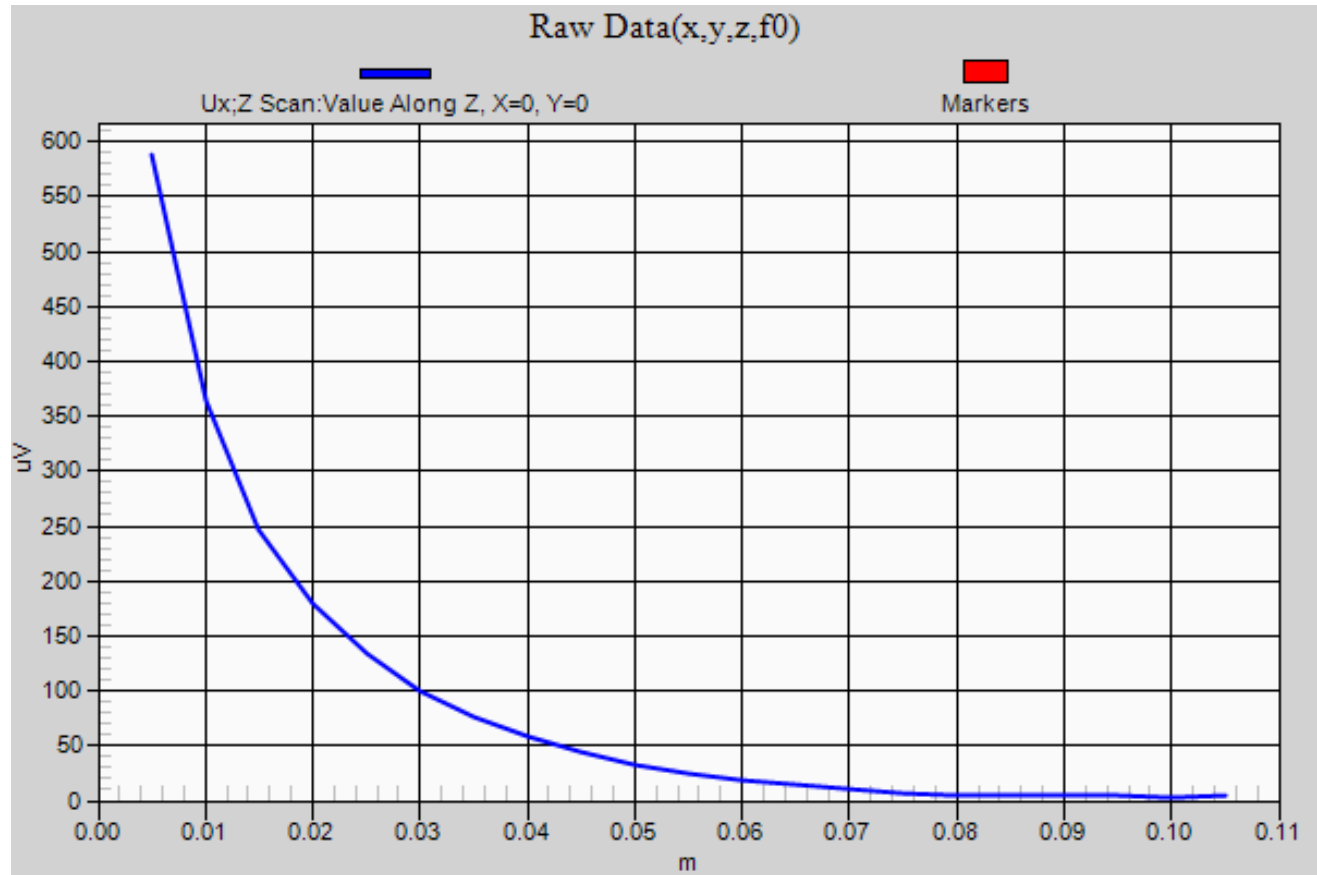
 
Approved By

Test 60

W/kg



Test 56a – 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	17	709	23780	QPSK 1RB offset 0	10MHz	Tablet	Top	-0.31	0.63	0.30	61
Body	LTE	17	709	23780	QPSK 1RB offset 0	10MHz	Tablet	Back	0.01	0.28	0.18	62
Body	LTE	17	709	23780	QPSK 1RB offset 0	10MHz	Tablet	Right	N/A	0.06	0.06	63
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tablet	Top	-0.22	0.50	0.24	64
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tablet	Back	-0.01	0.24	0.15	65
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tablet	Right	N/A	0.05	0.05	66
Body	LTE	17	709	23780	QPSK 1RB offset 0	10MHz	Tent	Top	-0.27	0.47	0.21	67
Body	LTE	17	709	23780	QPSK 1RB offset 0	10MHz	Tent	Back	0.02	1.26	0.63	68d
Body	LTE	17	710	23790	QPSK 1RB offset 0	10MHz	Tent	Back	-0.03	1.34	0.68	68b
Body	LTE	17	711	23800	QPSK 1RB offset 24	10MHz	Tent	Back	-0.04	1.34	0.68	68c
Body	LTE	17	709	23780	QPSK 1RB offset 0	10MHz	Tent	Right	N/A	0.11	0.11	69
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tent	Top	-0.32	0.38	0.17	70
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tent	Back	-0.09	1.13	0.56	71
Body	LTE	17	709	23780	QPSK 25RB offset 0	10MHz	Tent	Back	-0.04	1.13	0.57	71a
Body	LTE	17	711	23800	QPSK 25RB offset 0	10MHz	Tent	Back	-0.02	1.13	0.57	71b
Body	LTE	17	710	23790	QPSK 25RB offset 0	10MHz	Tent	Right	N/A	0.09	0.09	72

Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	26
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 61

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 57.235$; $\rho = 1000 \text{ kg/m}^3$, 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 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 0.317 W/kg

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

Reference Value = 32.060 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.301 W/kg

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

Maximum value of SAR (measured) = 0.883 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) = 0.874 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) = 20.32 V/m

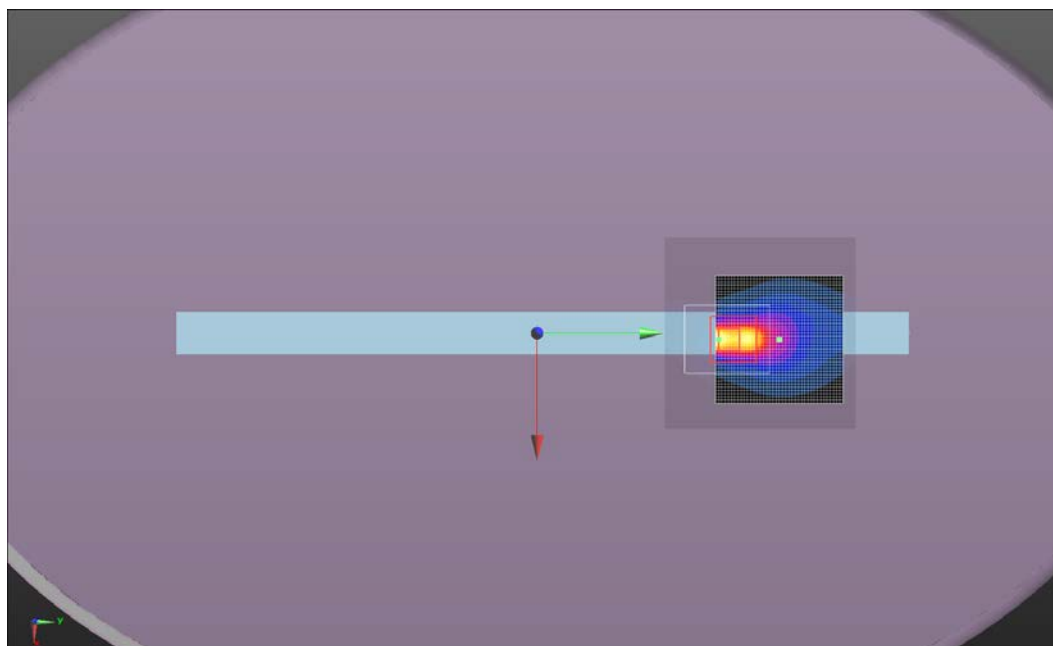
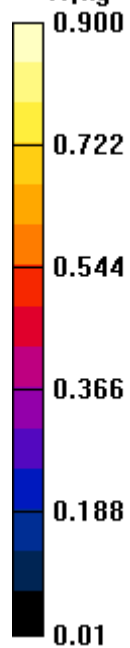
Maximum value of SAR (measured) = 0.383 W/kg



Approved By

Test 61

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.6
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	27
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 62

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 57.235$; $\rho = 1000$ 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) = 0.331 W/kg

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

Reference Value = 19.653 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.438 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.177 W/kg

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

Maximum value of SAR (measured) = 0.336 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) = 0.350 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) = 15.42 V/m

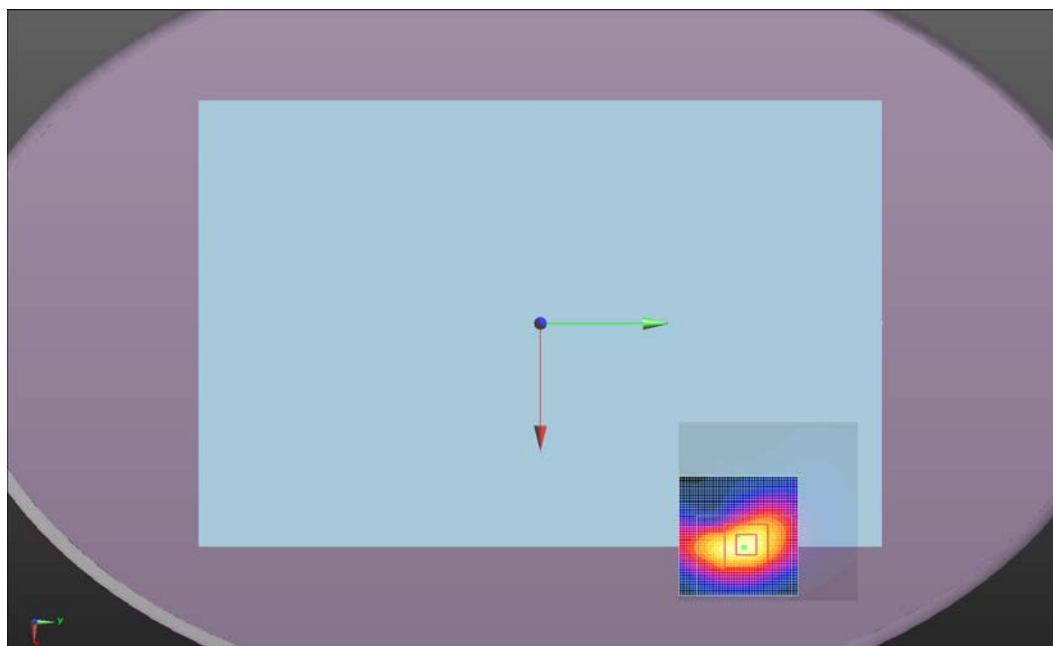
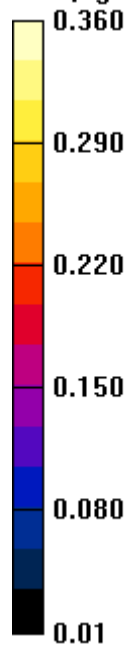
Maximum value of SAR (measured) = 0.220 W/kg



Approved By

Test 62

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 63

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 57.235$; $\rho = 1000$ 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) = 0.0426 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) = 0.0560 W/kg

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

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

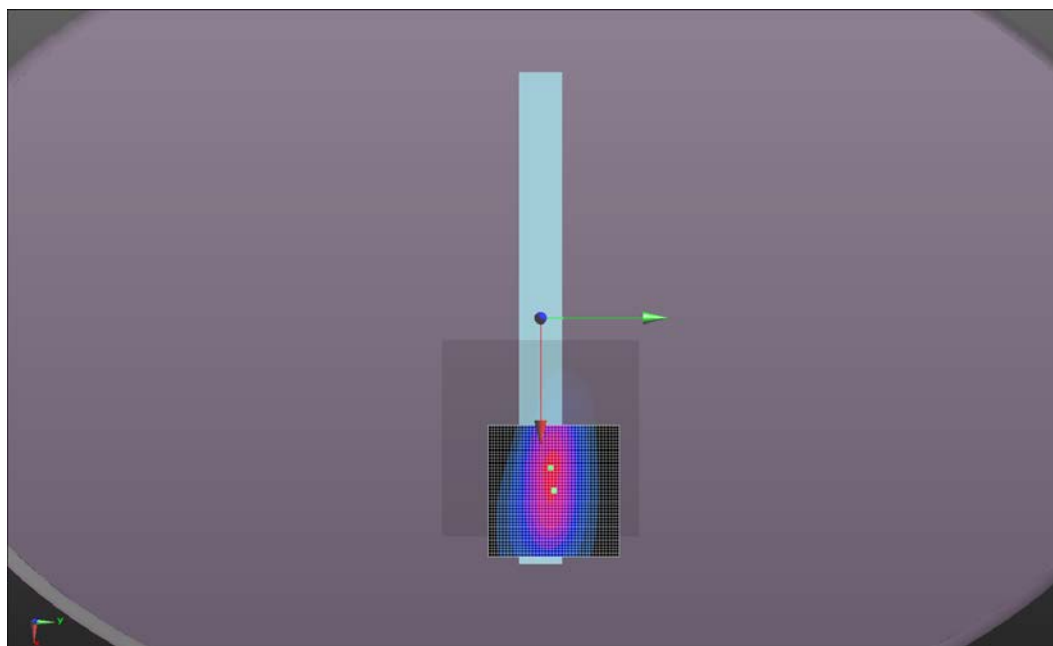
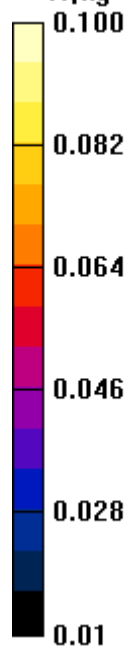
Maximum value of SAR (measured) = 0.0548 W/kg



Approved By

Test 63

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	26
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 64

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$, 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) = 0.234 W/kg

Body/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.323 V/m ; Power Drift = -0.22 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.505 W/kg ; SAR(10 g) = 0.243 W/kg

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

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

Maximum value of SAR (interpolated) = 0.696 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) = 18.19 V/m

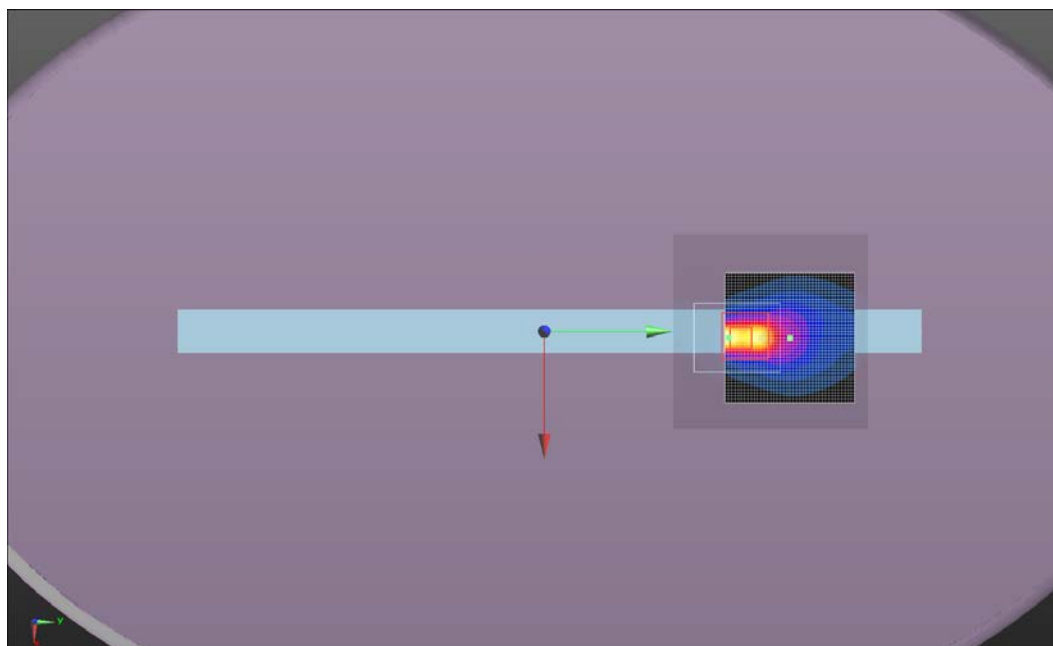
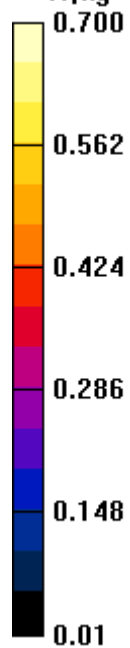
Maximum value of SAR (measured) = 0.307 W/kg



Approved By

Test 64

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.6
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	27
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 65

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$, 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) = 0.290 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.308 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.245 W/kg ; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.291 W/kg

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

Maximum value of SAR (interpolated) = 0.304 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) = 14.33 V/m

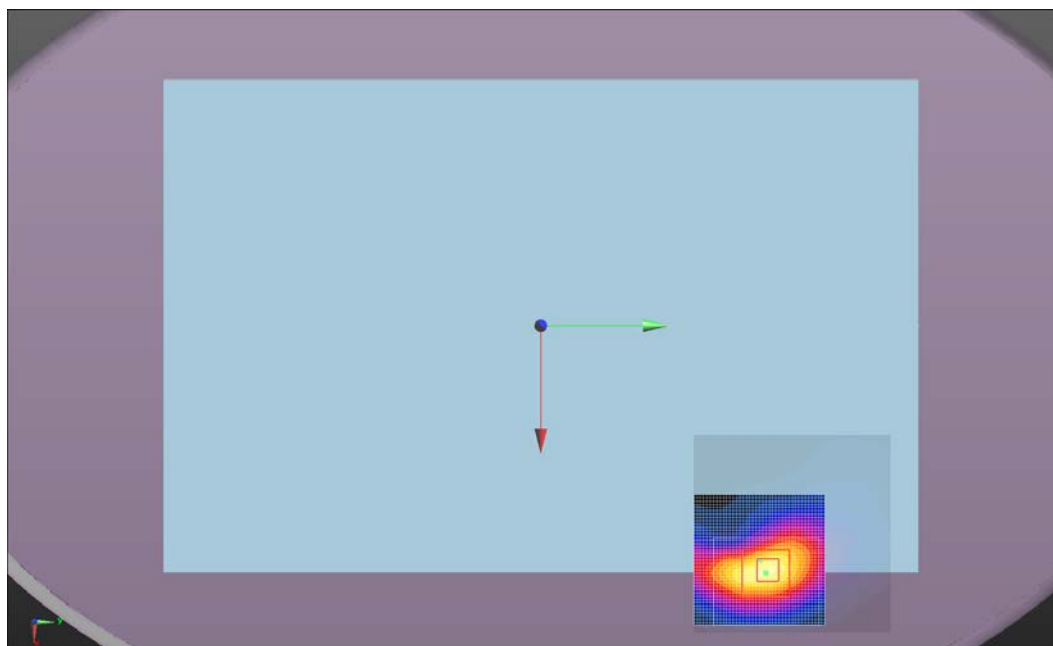
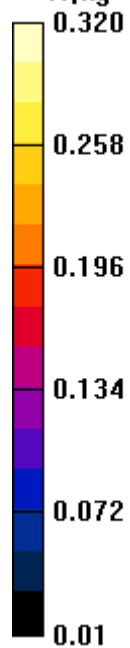
Maximum value of SAR (measured) = 0.191 W/kg



Approved By

Test 65

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 66

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$

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) = 0.0336 W/kg

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

Maximum value of SAR (interpolated) = 0.0458 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

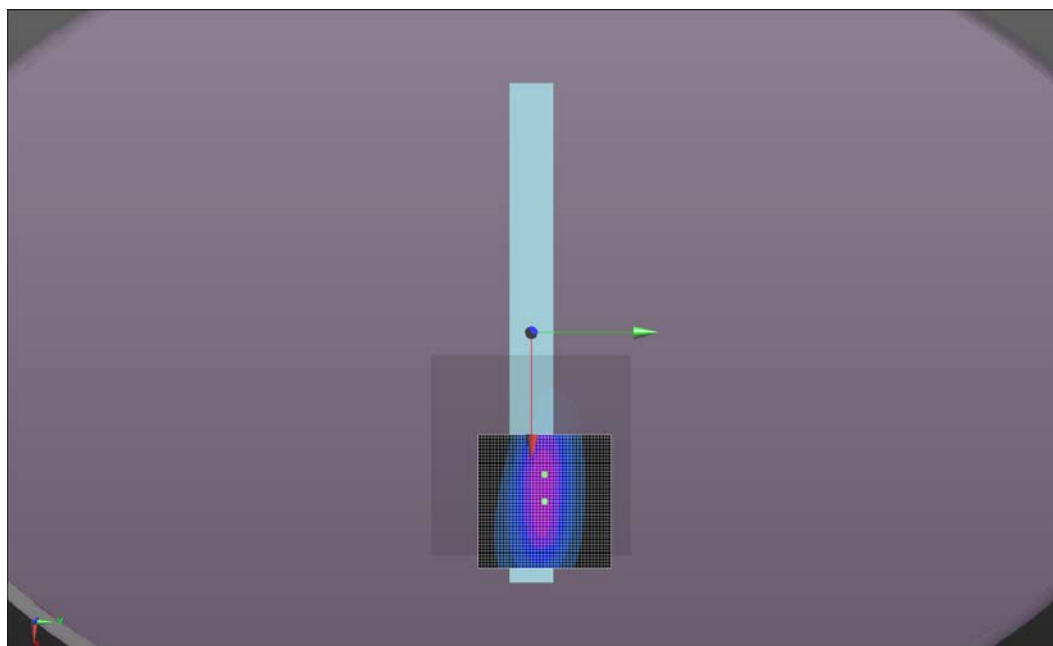
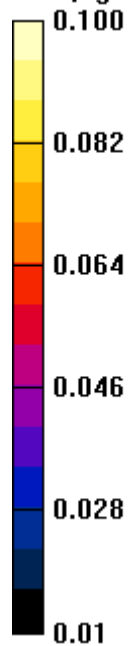
Maximum value of SAR (measured) = 0.0449 W/kg



Approved By

Test 66

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.1
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	29
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 67

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 57.235$; $\rho = 1000 \text{ kg/m}^3$, 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 mm, dy=3.000 mm

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

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

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

Reference Value = 26.615 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.209 W/kg

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

Maximum value of SAR (measured) = 0.609 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) = 0.498 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) = 17.24 V/m

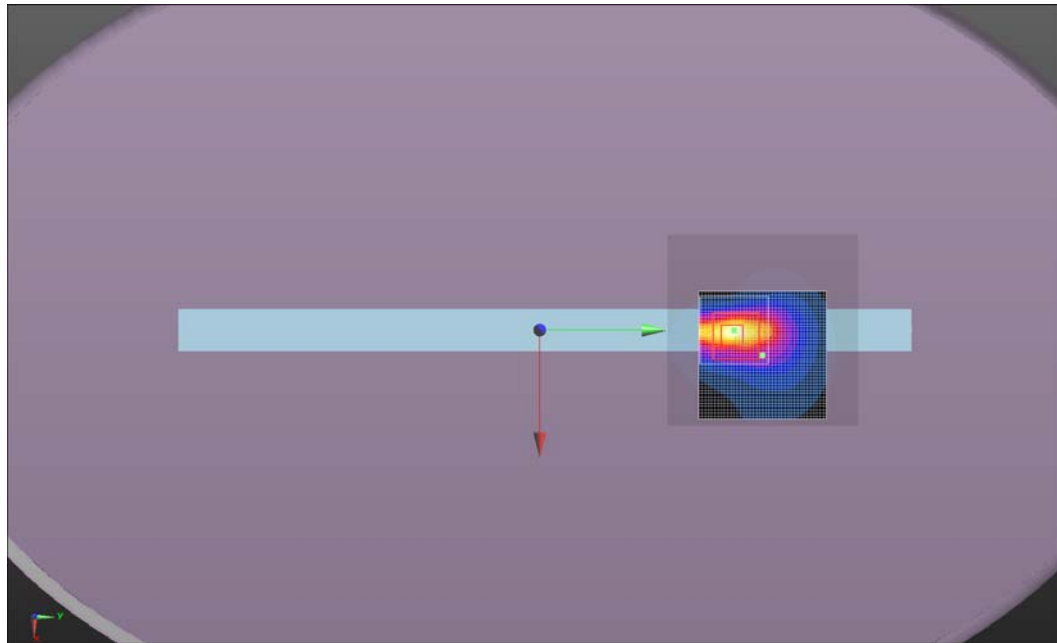
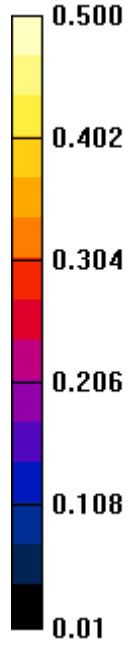
Maximum value of SAR (measured) = 0.276 W/kg



Approved By

Test 67

W/kg



Tested By:	Ethan Schoonover	Room Temperature (°C):	
Date:	5/13/2014	Liquid Temperature (°C):	
Serial Number:	008	Humidity (%RH):	
Configuration:	INTE5453-1	Bar. Pressure (mb):	
Comments:	Power Table 184		

Test 68d

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 57.235$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.746 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.631 W/kg

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

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

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

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

Maximum value of SAR (interpolated) = 1.84 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.746 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.627 W/kg

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

Maximum value of SAR (measured) = 1.66 W/kg

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

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

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

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

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

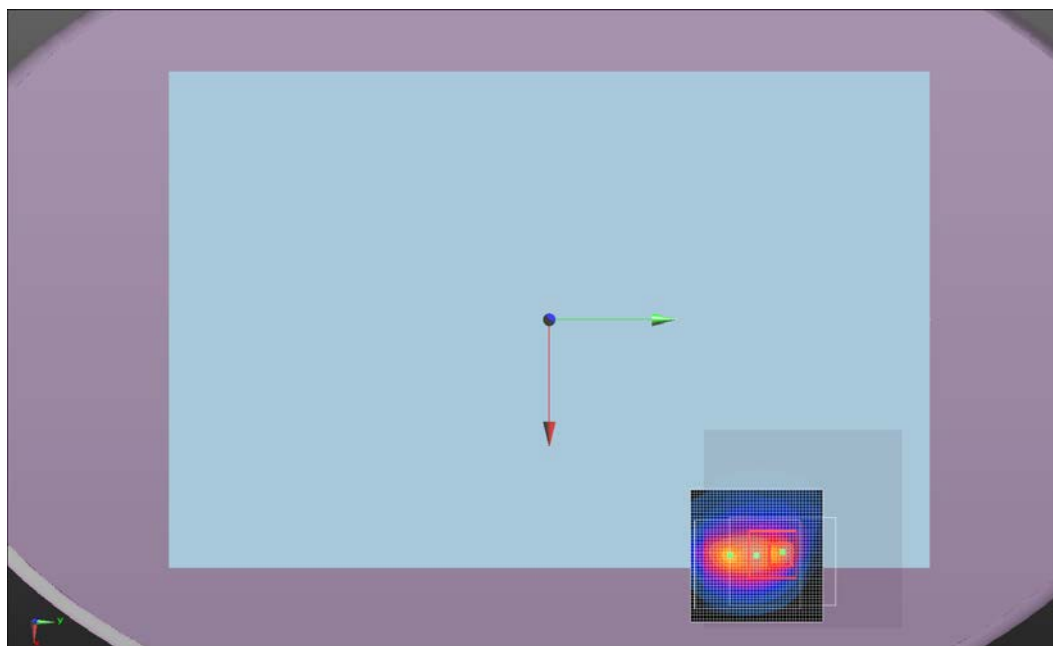
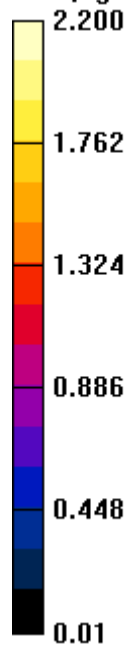
Maximum value of Total (measured) = 30.00 V/m

Maximum value of SAR (measured) = 0.835 W/kg

 
Approved By

Test 68d

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	28
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 68b

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$, 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) = 1.88 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 45.934 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.34 W/kg ; SAR(10 g) = 0.679 W/kg

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

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

Maximum value of SAR (interpolated) = 1.76 W/kg

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

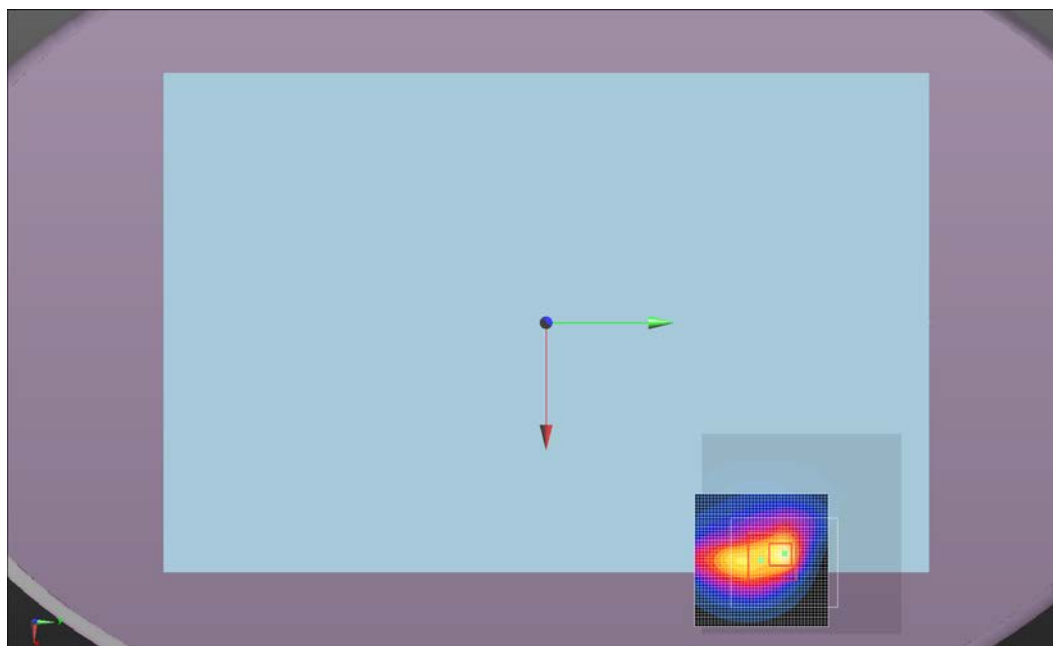
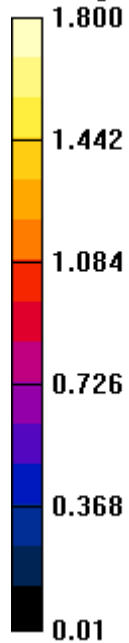
Maximum value of Total (measured) = 30.53 V/m

Maximum value of SAR (measured) = 0.865 W/kg



Approved By

Test 68b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	28
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 68c

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 711 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.211$; $\rho = 1000 \text{ kg/m}^3$, 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 = 45.906 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.669 W/kg

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

Maximum value of SAR (measured) = 1.77 W/kg

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) = 1.98 W/kg

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

Reference Value = 45.906 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.675 W/kg

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

Maximum value of SAR (measured) = 1.83 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) = 1.95 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) = 30.55 V/m

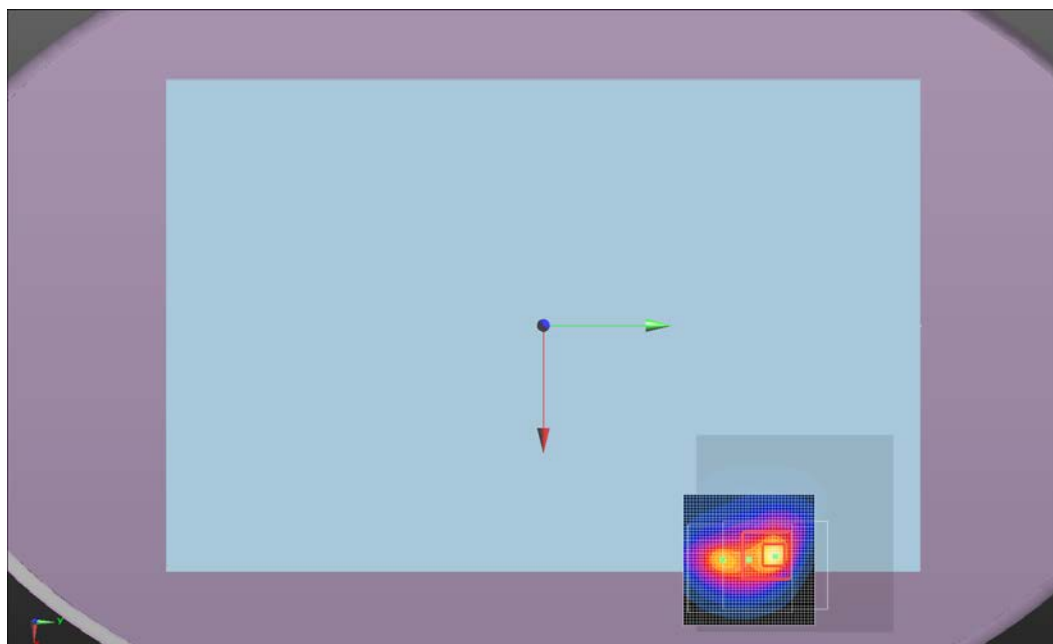
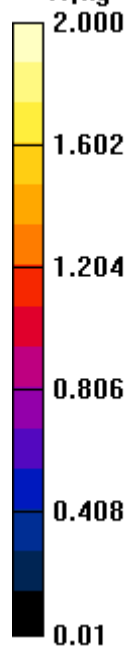
Maximum value of SAR (measured) = 0.867 W/kg



Approved By

Test 68c

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 69

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 57.235$; $\rho = 1000$ 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) = 0.0801 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) = 0.106 W/kg

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

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

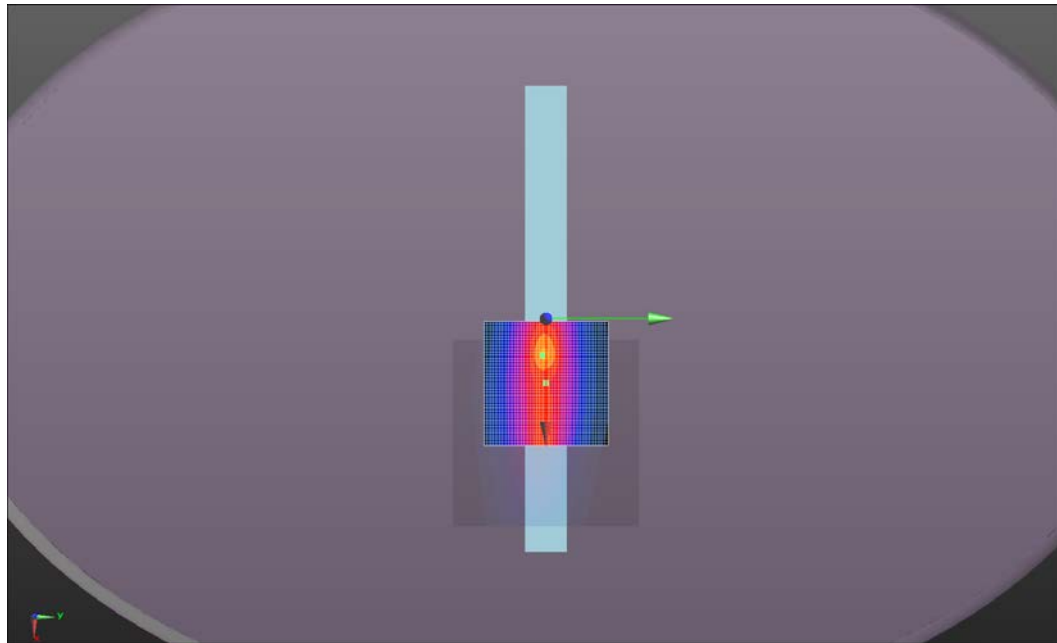
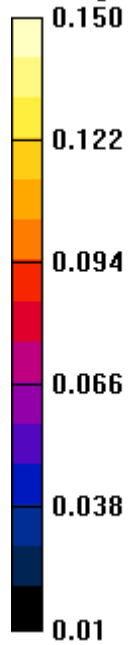
Maximum value of SAR (measured) = 0.105 W/kg



Approved By

Test 69

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.1
Date:	5/12/2014	Liquid Temperature (°C):	21.4
Serial Number:	008	Humidity (%RH):	29
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 70

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$, 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) = 0.117 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 = 23.983 V/m ; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 0.924 W/kg

SAR(1 g) = 0.380 W/kg ; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.500 W/kg

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

Maximum value of SAR (interpolated) = 0.408 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) = 15.57 V/m

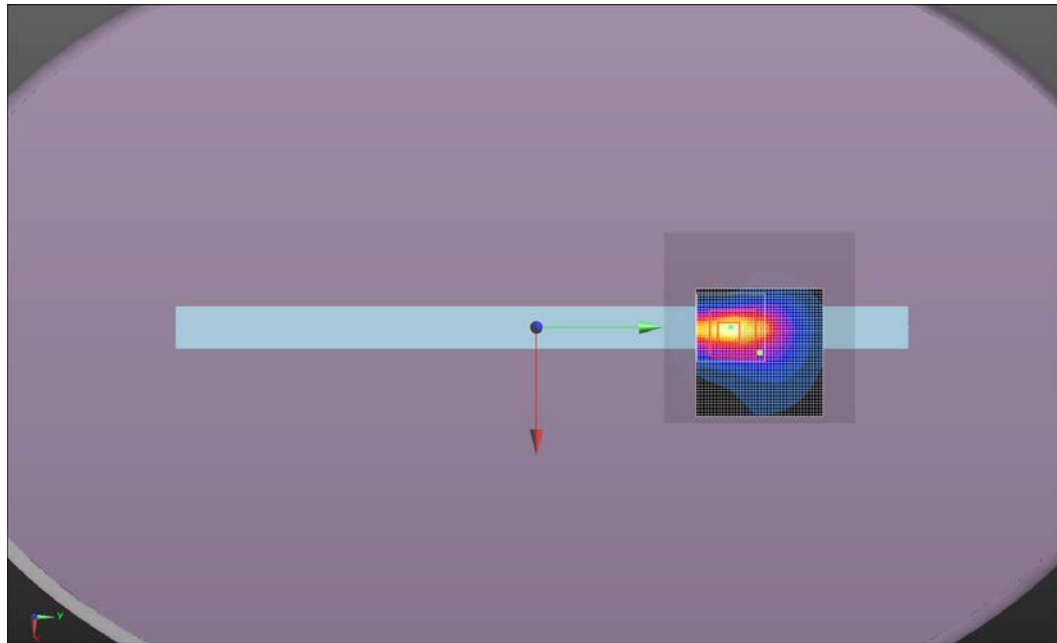
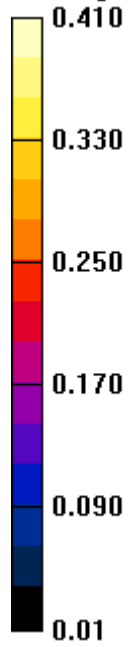
Maximum value of SAR (measured) = 0.225 W/kg



Approved By

Test 70

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.7
Date:	5/12/2014	Liquid Temperature (°C):	21.5
Serial Number:	008	Humidity (%RH):	28
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 71

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$, 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 = 42.379 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.557 W/kg

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

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

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

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

Reference Value = 42.379 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.561 W/kg

Maximum value of SAR (measured) = 1.56 W/kg

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

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

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

Maximum value of Total (measured) = 27.81 V/m

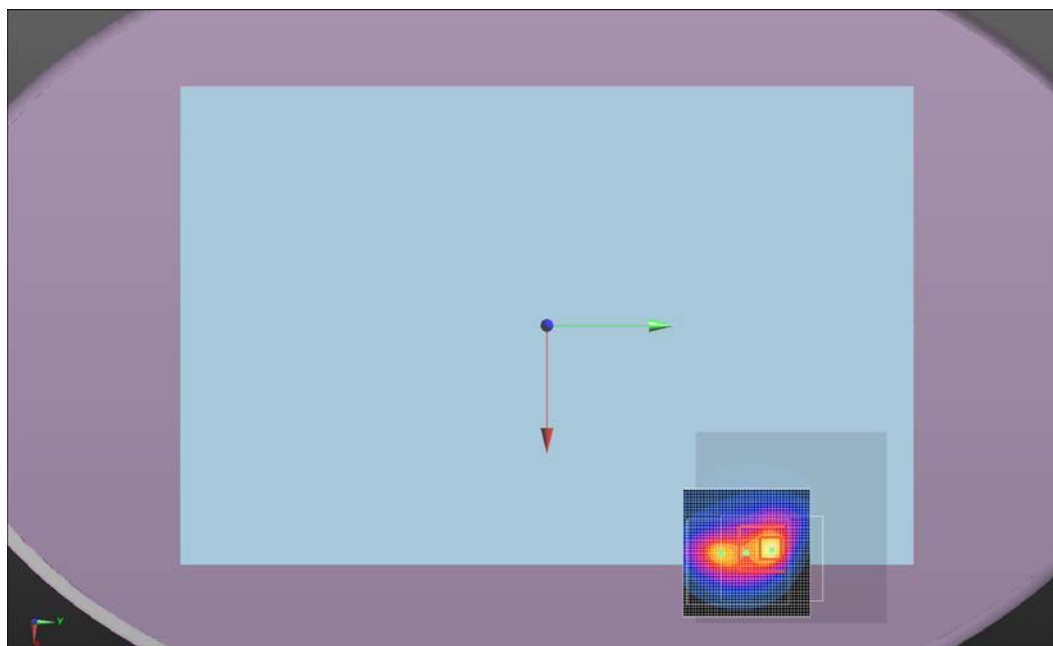
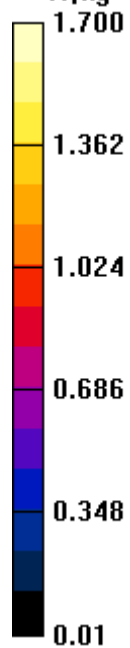
Maximum value of SAR (measured) = 0.718 W/kg



Approved By

Test 71

W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.7
Date:	5/12/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	27
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 71a

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 709 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 57.235$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 1.59 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.131 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 1.13 W/kg ; SAR(10 g) = 0.567 W/kg

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

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

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

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

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

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

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

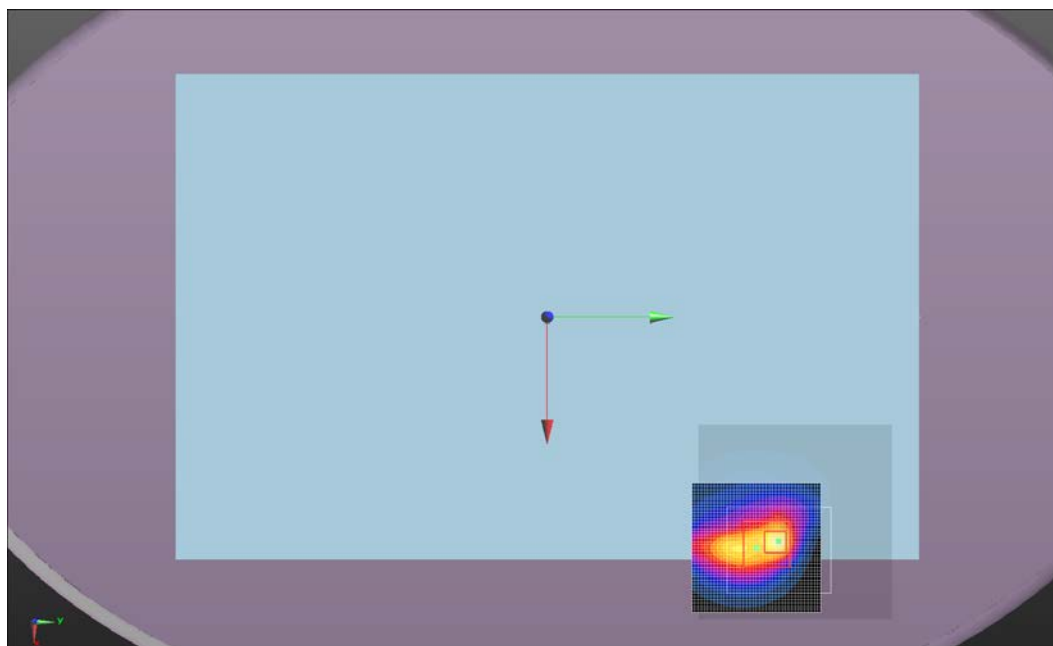
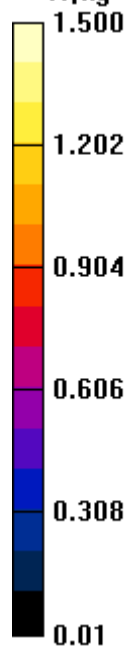
Maximum value of Total (measured) = 27.96 V/m

Maximum value of SAR (measured) = 0.725 W/kg



Approved By

Test 71a
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	24.7
Date:	5/12/2014	Liquid Temperature (°C):	21.7
Serial Number:	008	Humidity (%RH):	27
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 71b

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 711 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 57.211$; $\rho = 1000 \text{ kg/m}^3$, 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: $dx=3.000 \text{ mm}$, $dy=3.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 1.59 W/kg

Body/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.079 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 1.13 W/kg ; SAR(10 g) = 0.567 W/kg

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

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

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

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

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

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

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

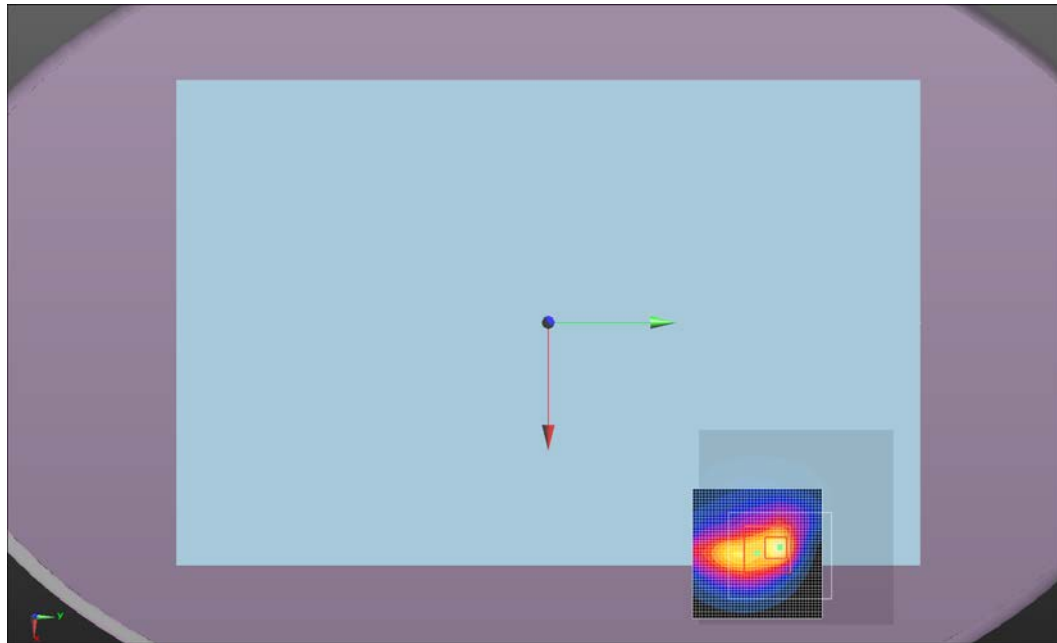
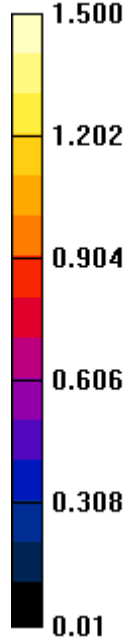
Maximum value of Total (measured) = 27.84 V/m

Maximum value of SAR (measured) = 0.721 W/kg



Approved By

Test 71b
W/kg



Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	5/12/2014	Liquid Temperature (°C):	21.3
Serial Number:	008	Humidity (%RH):	33
Configuration:	INTE5453-1	Bar. Pressure (mb):	1023
Comments:	Power Table 188		

Test 72

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

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 710 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 57.229$; $\rho = 1000 \text{ kg/m}^3$

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) = 0.0675 W/kg

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

Maximum value of SAR (interpolated) = 0.0877 W/kg

Body/Body/Area scan (5x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

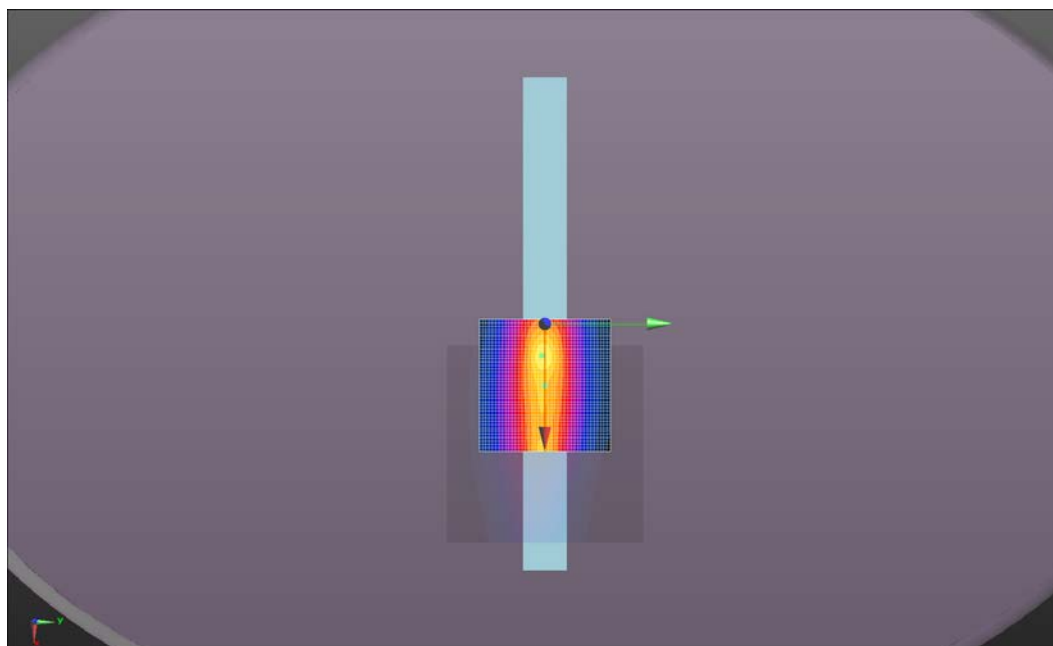
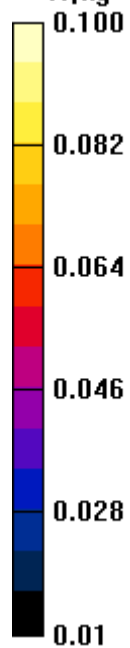
Maximum value of SAR (measured) = 0.0870 W/kg



Approved By

Test 72

W/kg



Test 68c – Z Scan

