

# SAR TEST DATA – 2.4 GHz

EUT:	SKL21-SDS	Work Order:	INTE5597
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	None	Customer Project:	None

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2015 FCC 2.1093:2015	FCC KDB 248227 D01 V02r01 FCC KDB 447498 D01 v05r02 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 FCC KDB 865664 D02 v01r01 IEEE Std 1528:2013

## COMMENTS

None
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## DEVIATIONS FROM TEST STANDARD

None
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## RESULTS

Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Data Rate (Mbps)	Channel Bandwidth (MHz)	Antenna Port	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Rated Power	Scaling Factor	Reported 1g SAR Level (mW/g)	Reported 10g SAR Level (mW/g)	Test Number
2.4	2462	11	1 Mbit	20	A	Tablet	Left Side	-0.12	0.76	0.29	12.00	0.69	0.53	0.20	1
2.4	2462	11	1 Mbit	20	A	Tablet	Back	0.04	1.10	0.39	12.00	0.69	0.76	0.27	2b
2.4	2412	1	1 Mbit	20	A	Tablet	Back	0.08	0.90	0.33	12.00	0.91	0.82	0.30	2d
2.4	2437	6	1 Mbit	20	A	Tablet	Back	0.06	1.15	0.41	12.00	0.72	0.83	0.30	2e
2.4	2437	6	1 Mbit	20	A	Tablet	Back	0.04	1.04	.385	12.00	0.72	0.75	0.28	2i
2.4	2462	11	1 Mbit	20	A	Thick Tablet	Left Side	-0.31	0.62	0.22	12.00	0.69	0.43	0.15	3
2.4	2462	11	1 Mbit	20	A	Thick Tablet	Back	-0.03	0.12	0.07	12.00	0.69	0.08	0.05	4
2.4	2437	6	1 Mbit	20	B	Tablet	Right Side	-0.04	0.63	0.27	13.5	0.60	0.38	0.16	5
2.4	2437	6	1 Mbit	20	B	Tablet	Back	-0.04	0.45	0.19	13.5	0.60	0.27	0.11	6
2.4	2437	6	1 Mbit	20	B	Thick Tablet	Right Side	0.11	0.23	0.10	13.5	0.60	0.14	0.06	7
2.4	2437	6	1 Mbit	20	B	Thick Tablet	Back	0.04	0.11	0.07	13.5	0.60	0.07	0.04	8
2.4	2442	7F	MCS0	40	A	Tablet	Left Side	-0.14	0.53	0.21	12.00	0.81	0.43	0.17	9
2.4	2442	7F	MCS0	40	A	Tablet	Back	0.10	1.08	0.38	12.00	0.81	0.88	0.31	10
2.4	2422	3F	MCS0	40	A	Tablet	Back	0.10	0.72	0.26	12.00	0.81	0.59	0.21	10a
2.4	2442	7F	MCS0	40	A	Thick Tablet	Left Side	-0.08	0.58	0.21	12.00	0.81	0.47	0.17	11
2.4	2442	7F	MCS0	40	A	Thick Tablet	Back	N/A	0.10	0.10	12.00	0.81	0.08	0.08	12
2.4	2422	3F	MCS0	40	B	Tablet	Right Side	0.13	0.25	0.11	13.5	1.55	0.39	0.17	13
2.4	2422	3F	MCS0	40	B	Tablet	Back	0.14	0.21	0.10	13.5	1.55	0.33	0.15	14
2.4	2422	3F	MCS0	40	B	Thick Tablet	Right Side	-0.01	0.22	0.10	13.5	1.55	0.34	0.15	15
2.4	2422	3F	MCS0	40	B	Thick Tablet	Back	N/A	0.07	0.07	13.5	1.55	0.11	0.11	16

# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.1
Date:	7/6/2015	Liquid Temperature (°C):	21.3
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

## Test 1

### DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.038$  S/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 23.30 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.288 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 1.06 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) = 14.97 V/m

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

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

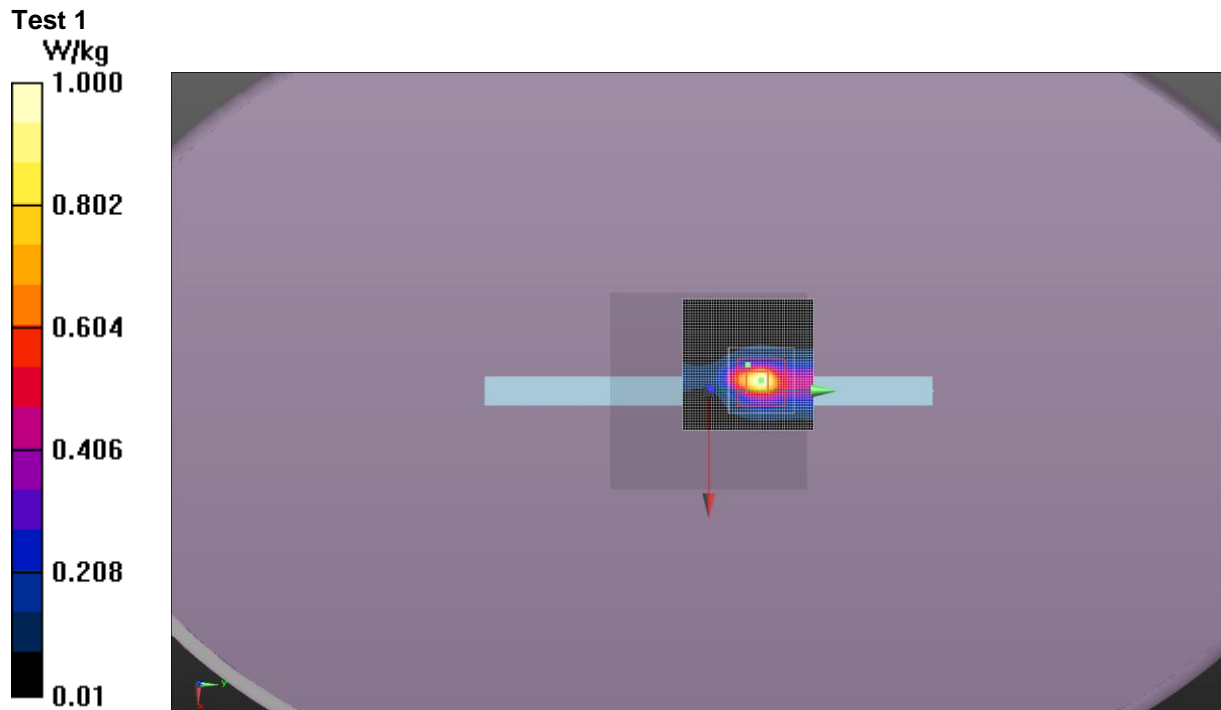
Maximum value of SAR (interpolated) = 0.223 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	7/1/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 13.0 dBm		

## Test 2b

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.964$  S/m;  $\epsilon_r = 50.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 29.18 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.11 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.391 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

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

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

Maximum value of Total (measured) = 19.71 V/m

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

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

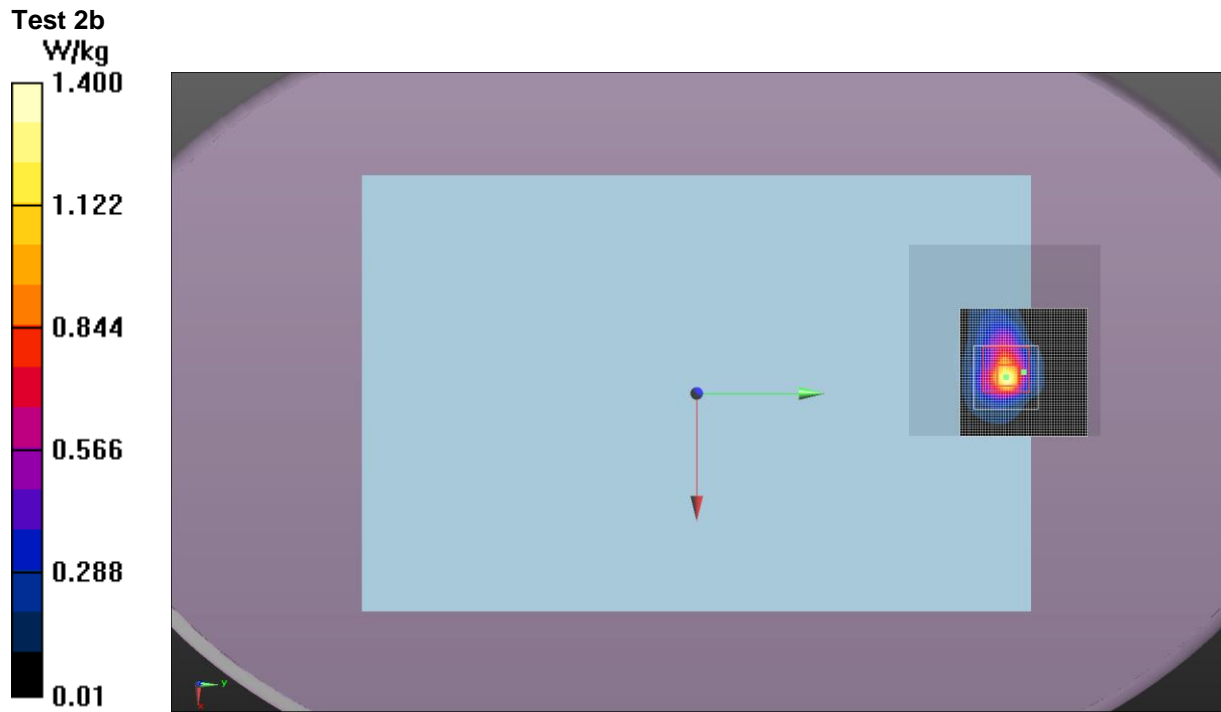
Maximum value of SAR (interpolated) = 0.292 W/kg

Maximum value of SAR (measured) = 0.763 W/kg



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	7/1/2015	Liquid Temperature (°C):	22.1
Serial Number:	IASY515S0018	Humidity (%RH):	40
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 13.5 dBm		

## Test 2d

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.887$  S/m;  $\epsilon_r = 51.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 26.62 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.50 W/kg

**SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.326 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 1.09 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) = 18.16 V/m

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

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

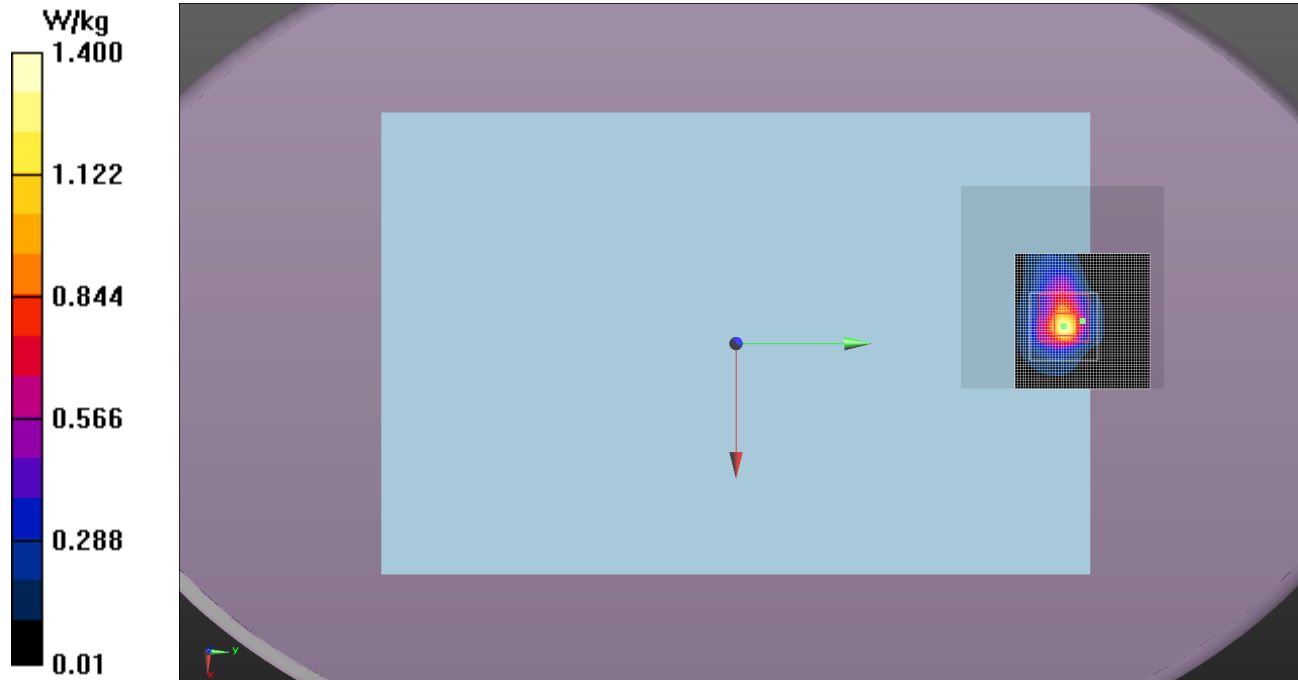
Maximum value of SAR (interpolated) = 0.233 W/kg



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# SAR TEST DATA – 2.4 GHz

Test 2d



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	7/1/2015	Liquid Temperature (°C):	22.1
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 13.5 dBm		

## Test 2e

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.927$  S/m;  $\epsilon_r = 50.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 30.38 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.21 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.411 W/kg**

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

Maximum value of SAR (measured) = 1.78 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 1.78 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) = 20.34 V/m

**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) = 0.306 W/kg

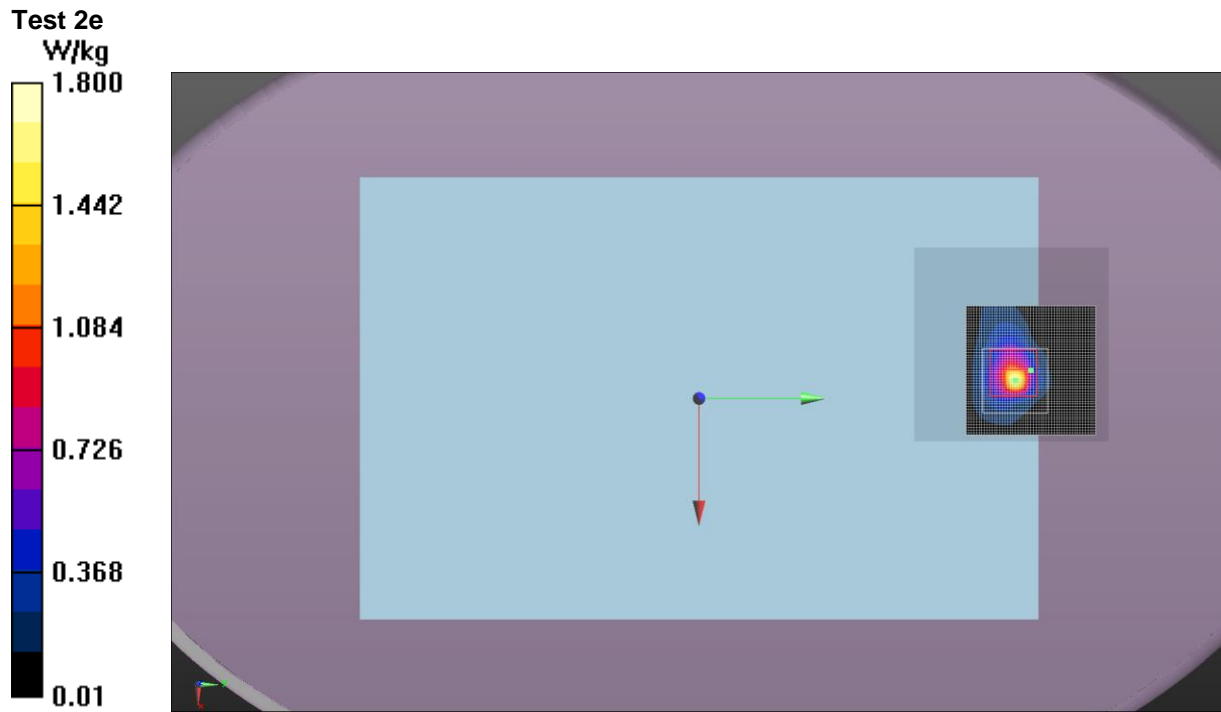
Maximum value of SAR (measured) = 0.797 W/kg



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	23.1°C
Date:	7/14/2015 12:02:27 PM	Liquid Temperature (°C):	22.2°C
Serial Number:	IASY515S0018	Humidity (%RH):	44.4%
Configuration:	INTE5597-2	Bar. Pressure (mb):	1017.2 mb
Comments:	Repeatability Test. Final power setting: 13.5 dBm.		

## Test 2i

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.983$  S/m;  $\epsilon_r = 51.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 28.19 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.385 W/kg**

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

Maximum value of SAR (measured) = 1.56 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 1.18 W/kg

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

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



Maximum value of Total (measured) = 19.09 V/m

**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) = 0.337 W/kg

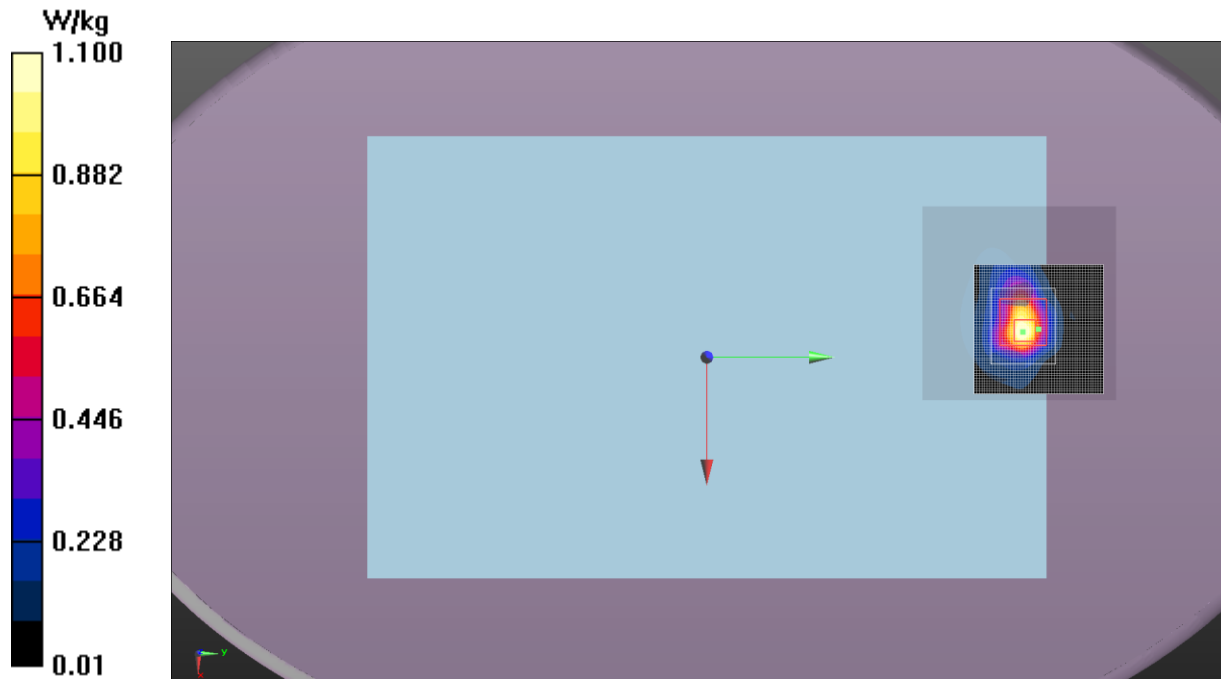
Maximum value of SAR (measured) = 0.723 W/kg



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# SAR TEST DATA – 2.4 GHz

Test 2i



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	44
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

### Test 3

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.038$  S/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 20.58 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.220 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.817 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) = 13.38 V/m

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

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

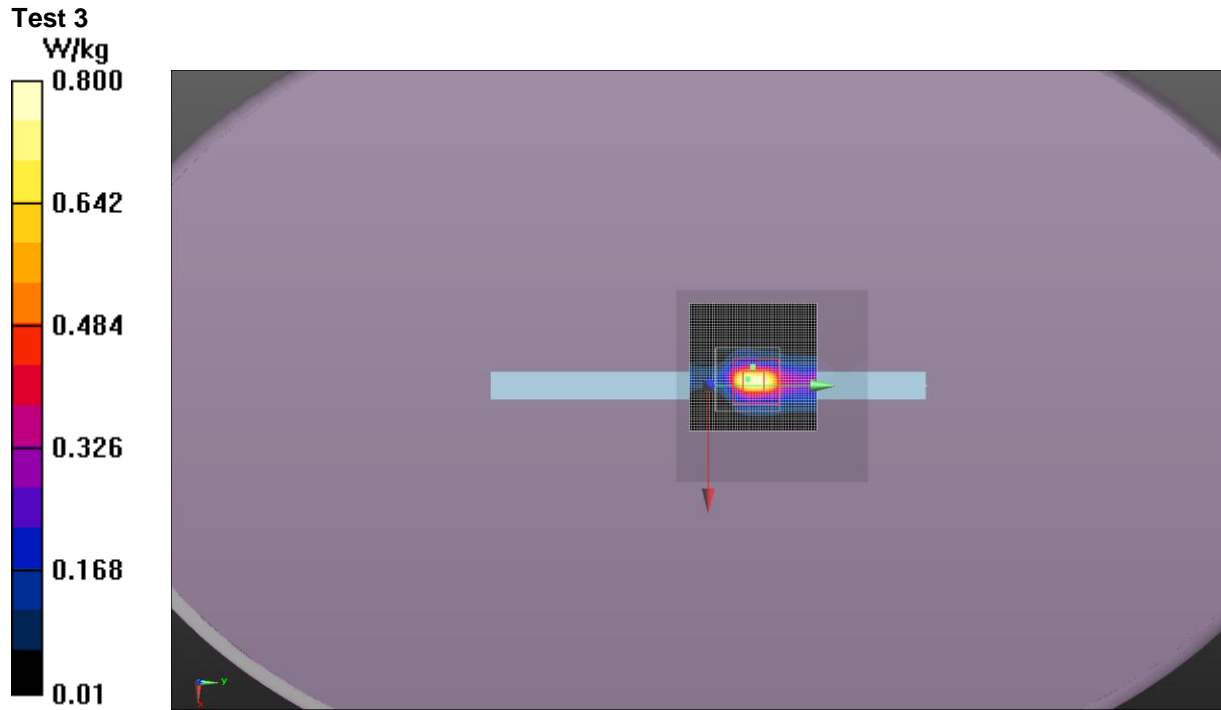
Maximum value of SAR (interpolated) = 0.133 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

## Test 4

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.038$  S/m;  $\epsilon_r = 51.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS5 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 8.492 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.068 W/kg**

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

Maximum value of SAR (measured) = 0.144 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.164 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) = 6.596 V/m

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

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

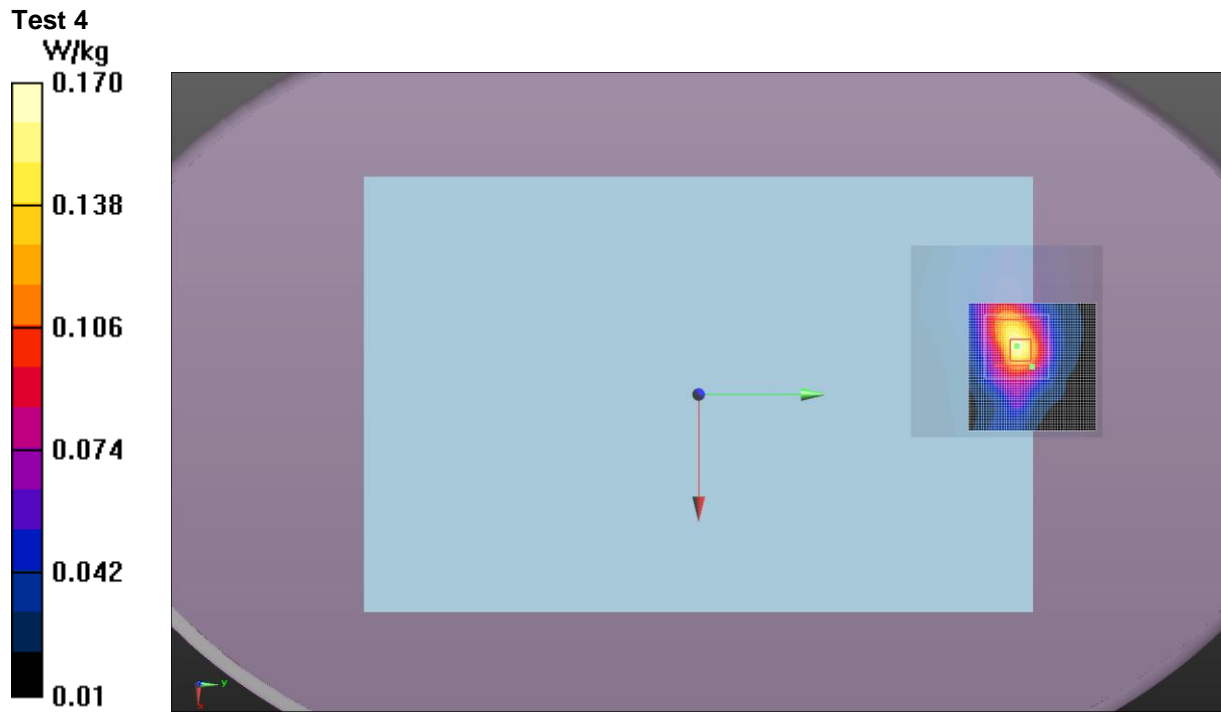
Maximum value of SAR (interpolated) = 0.0855 W/kg

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



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	7/6/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	47
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 16.0 dBm		

## Test 5

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 51.129$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 20.75 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.271 W/kg**

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

Maximum value of SAR (measured) = 0.857 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.868 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) = 14.23 V/m

**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) = 0.254 W/kg

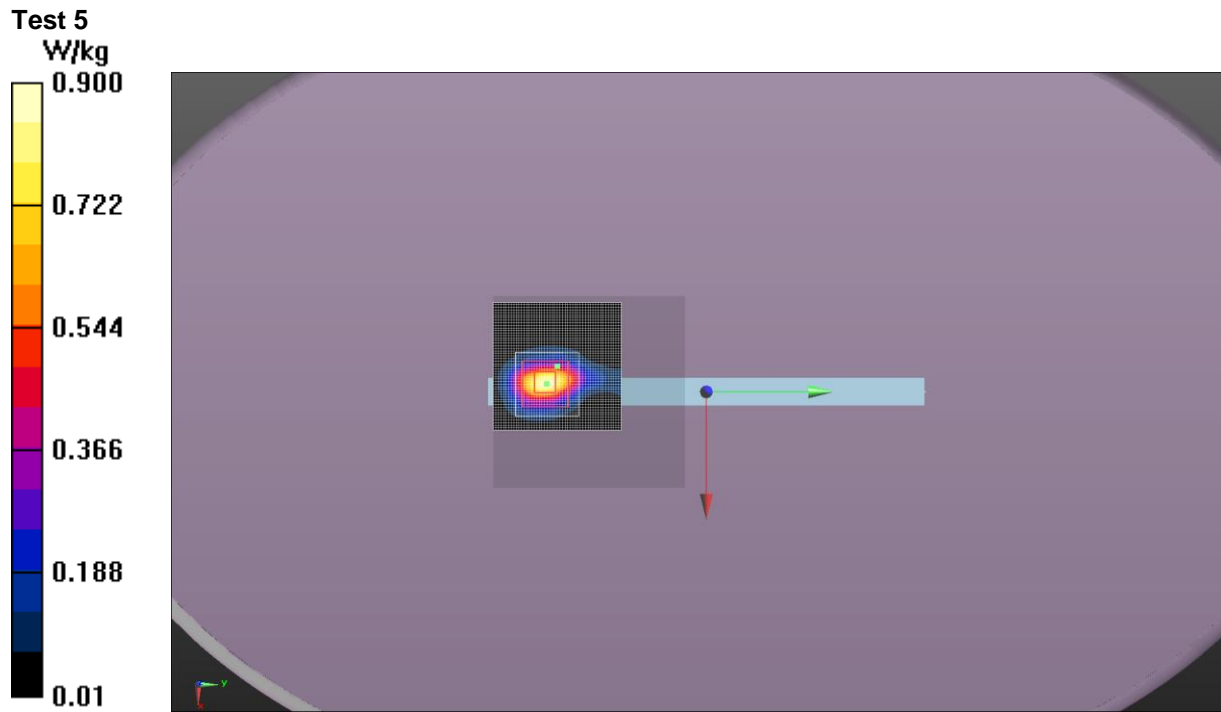
Maximum value of SAR (measured) = 0.406 W/kg



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# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.4
Date:	7/1/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 16.0 dBm		

## Test 6

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.927$  S/m;  $\epsilon_r = 50.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASYS 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 17.17 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.194 W/kg**

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

Maximum value of SAR (measured) = 0.585 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.671 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) = 10.69 V/m

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

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

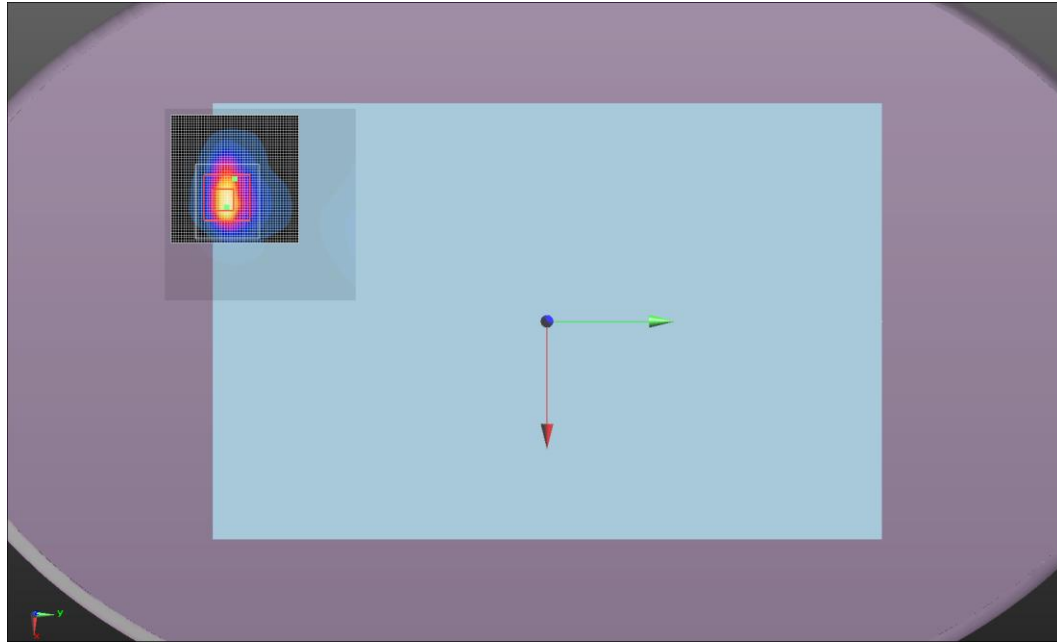
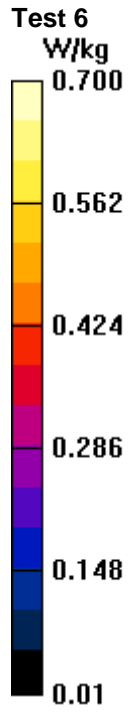
Maximum value of SAR (interpolated) = 0.422 W/kg

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



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.7
Date:	7/6/2015	Liquid Temperature (°C):	21.3
Serial Number:	IASY515S0018	Humidity (%RH):	49
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 16.0 dBm		

## Test 7

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 51.129$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 12.60 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.099 W/kg**

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

Maximum value of SAR (measured) = 0.320 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.339 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) = 8.750 V/m

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

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

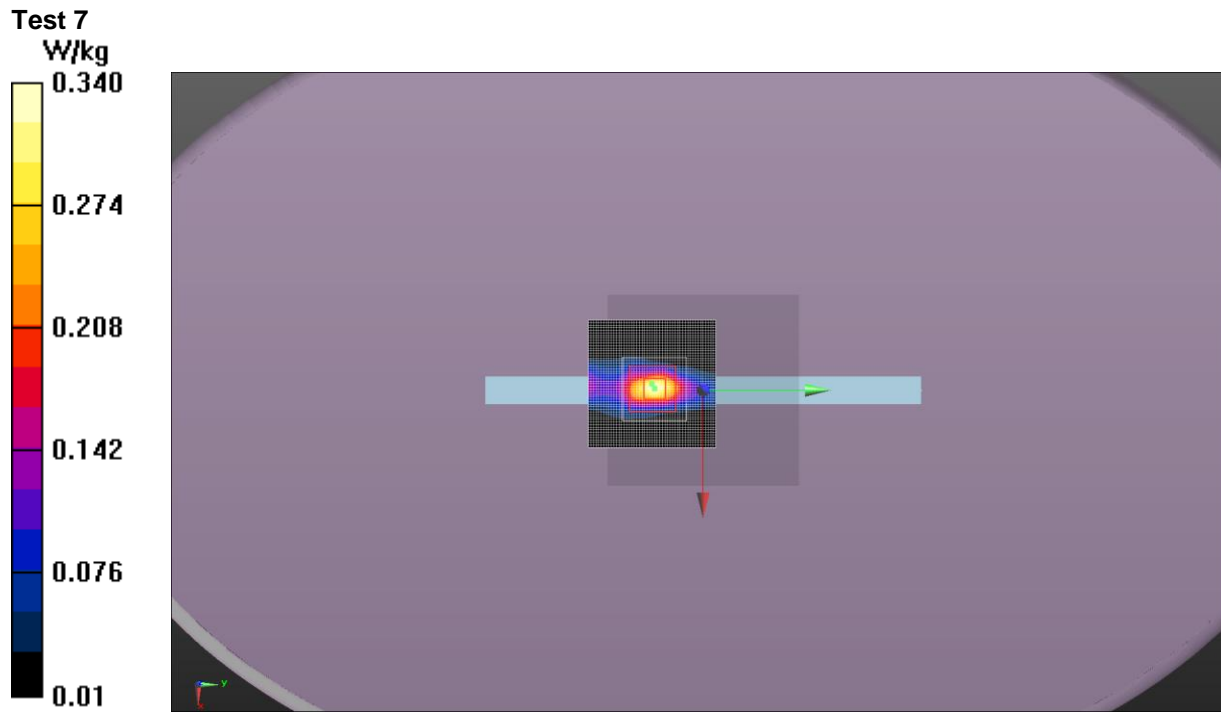
Maximum value of SAR (interpolated) = 0.0470 W/kg

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



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	49
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 16.0 dBm		

## Test 8

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 51.129$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 8.169 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.199 W/kg

**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.067 W/kg**

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

Maximum value of SAR (measured) = 0.131 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.140 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) = 6.860 V/m

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

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

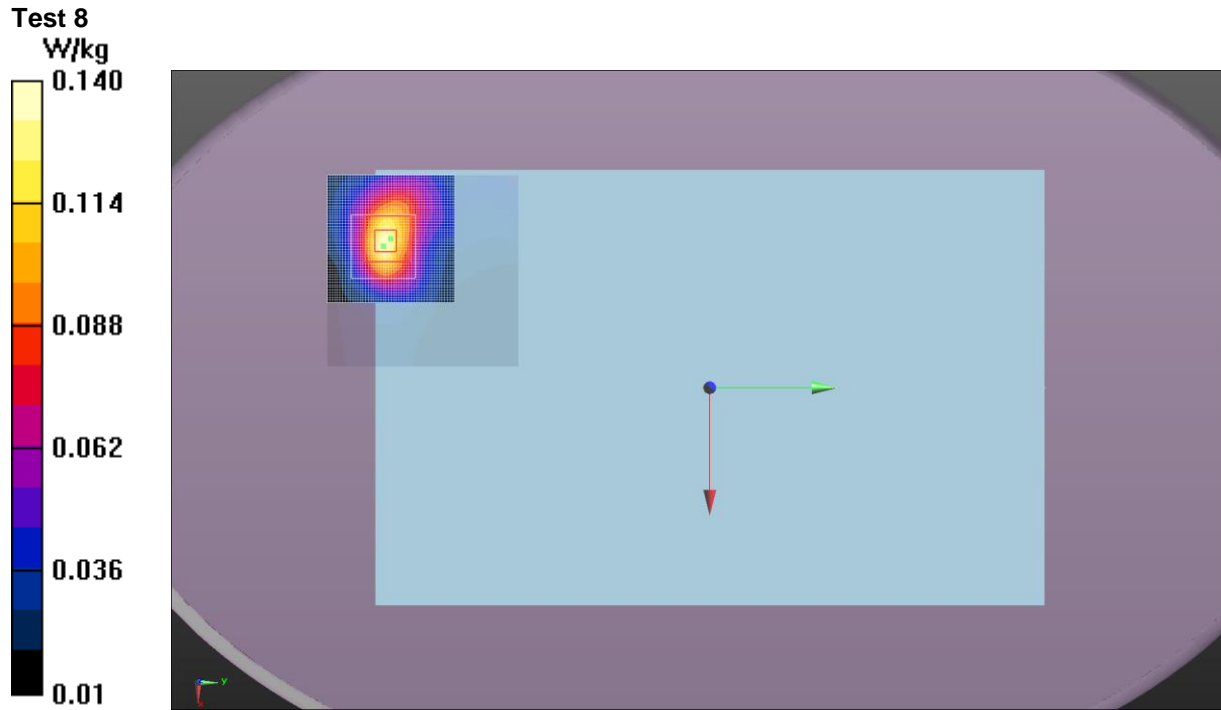
Maximum value of SAR (interpolated) = 0.130 W/kg

Maximum value of SAR (measured) = 0.0944 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	48
Configuration:	INTE5597-2	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

## Test 9

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2442 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2442$  MHz;  $\sigma = 2.012$  S/m;  $\epsilon_r = 51.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 18.97 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.208 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.691 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) = 11.99 V/m

**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) = 0.134 W/kg

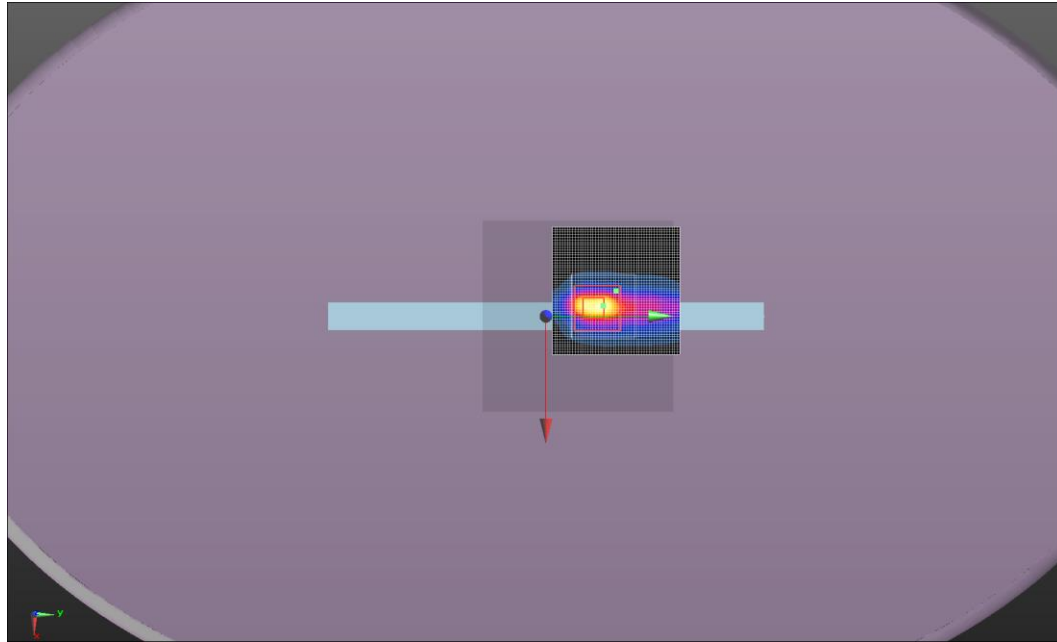
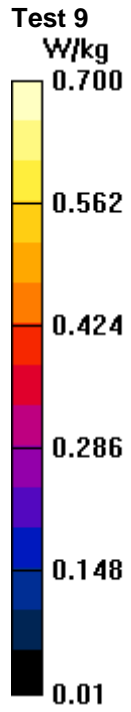
Maximum value of SAR (measured) = 0.289 W/kg



Approved By



# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.8
Date:	7/1/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	39
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 13.0 dBm		

## Test 10

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2442 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2442$  MHz;  $\sigma = 1.934$  S/m;  $\epsilon_r = 50.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 29.08 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.03 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.383 W/kg**

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

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

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 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) = 19.67 V/m

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

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

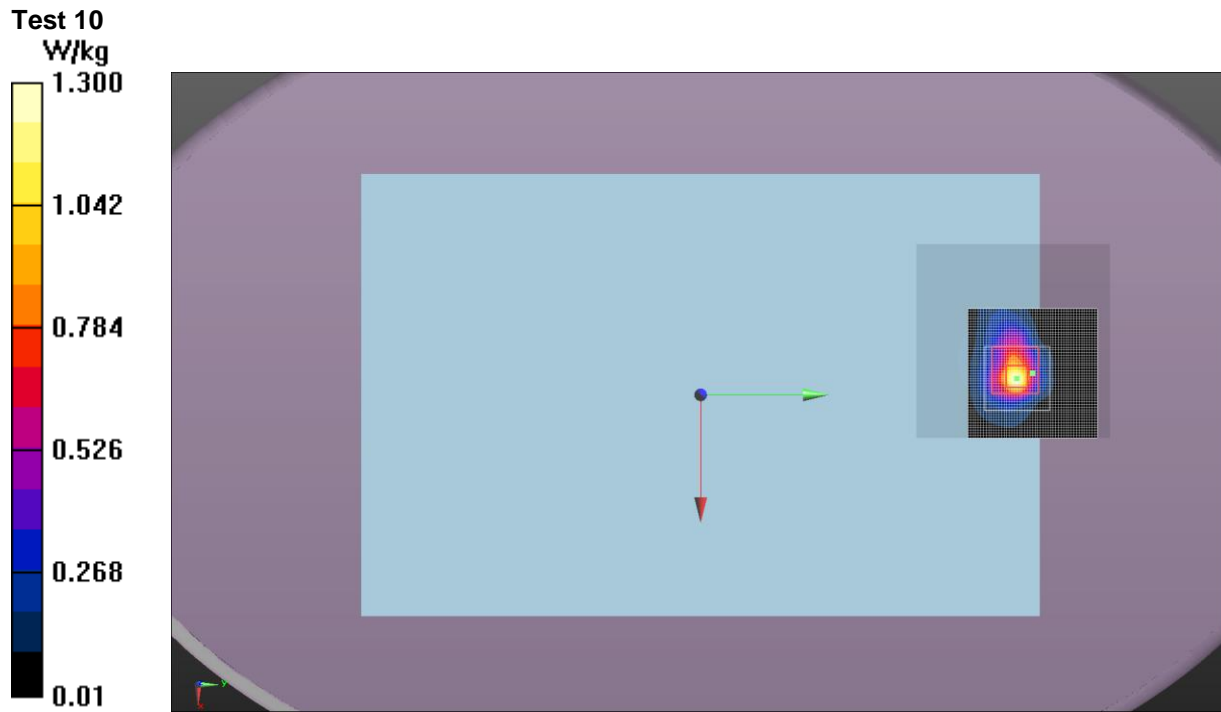
Maximum value of SAR (interpolated) = 0.296 W/kg

Maximum value of SAR (measured) = 0.748 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.8
Date:	7/1/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	39
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 13.0 dBm		

## Test 10a

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2422 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2422$  MHz;  $\sigma = 1.904$  S/m;  $\epsilon_r = 51.005$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 23.93 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.261 W/kg**

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

Maximum value of SAR (measured) = 1.09 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.873 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) = 16.23 V/m

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

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

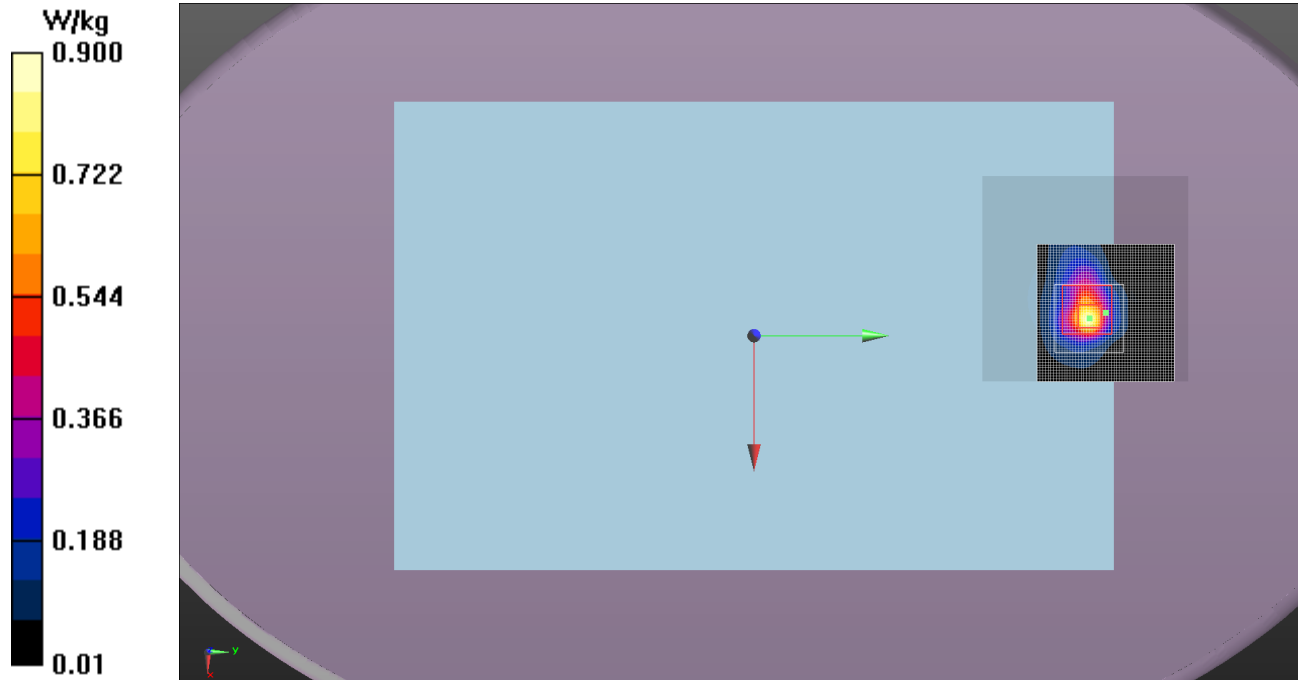
Maximum value of SAR (interpolated) = 0.201 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz

Test 10a



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	44
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

## Test 11

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2442 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2442$  MHz;  $\sigma = 2.012$  S/m;  $\epsilon_r = 51.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 20.18 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.209 W/kg**

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

Maximum value of SAR (measured) = 0.818 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.728 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) = 13.44 V/m

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

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

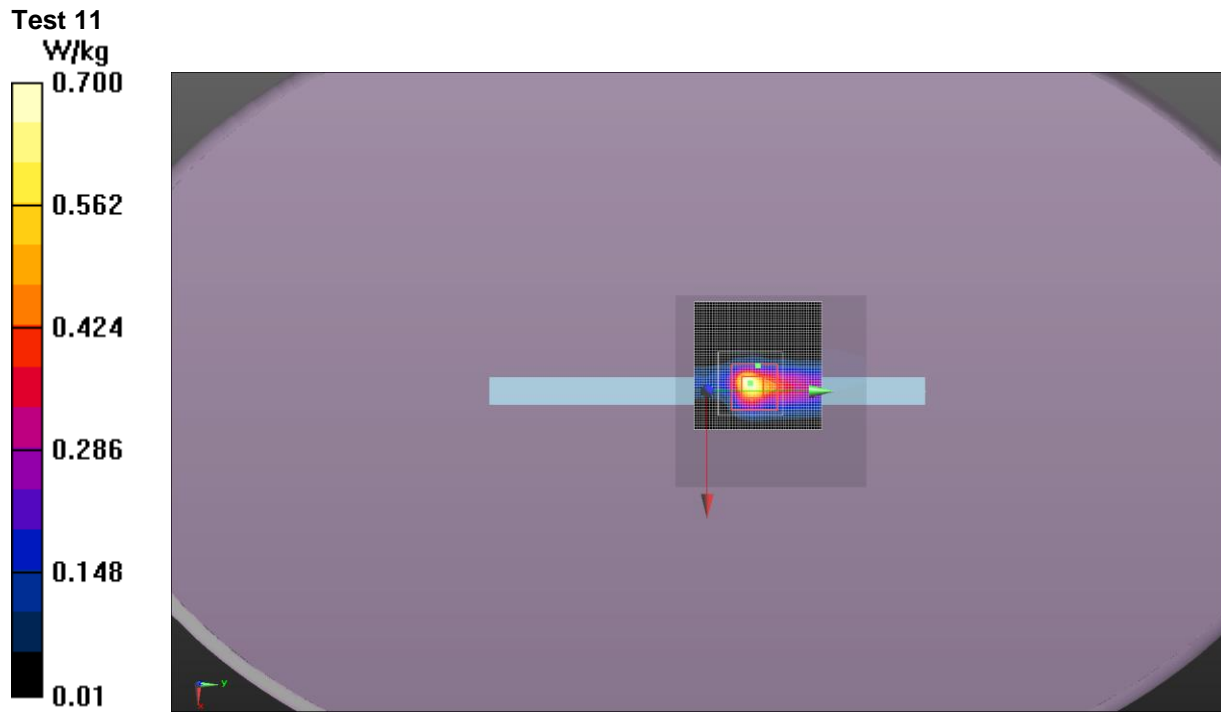
Maximum value of SAR (interpolated) = 0.113 W/kg

Maximum value of SAR (measured) = 0.363 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 13.0 dBm		

## Test 12

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2442 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2442$  MHz;  $\sigma = 2.012$  S/m;  $\epsilon_r = 51.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.103 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) = 0.0603 W/kg

**Body/Body/Area scan (6x6x1):** Measurement grid: dx=12mm, dy=12mm

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

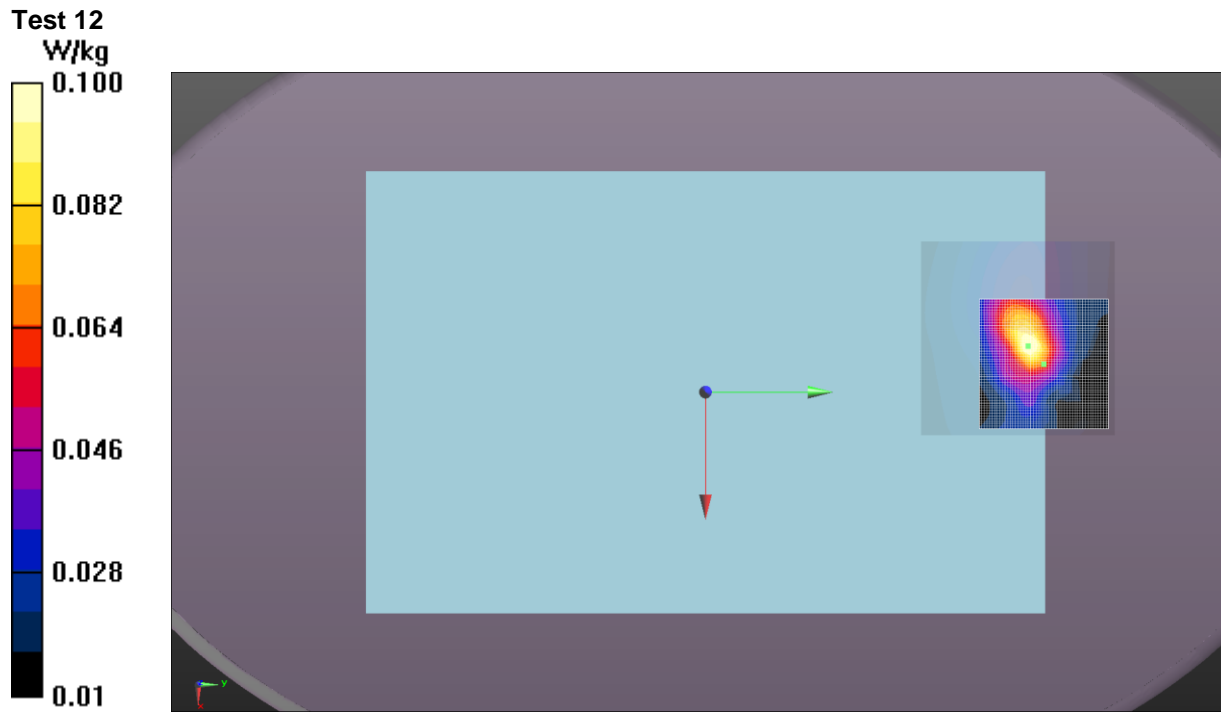
Maximum value of SAR (measured) = 0.0987 W/kg



Approved By



# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.8
Date:	7/6/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	47
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 12.0 dBm		

## Test 13

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2422 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2422$  MHz;  $\sigma = 1.987$  S/m;  $\epsilon_r = 51.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 12.93 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.530 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.108 W/kg**

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

Maximum value of SAR (measured) = 0.335 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.326 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) = 9.098 V/m

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

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

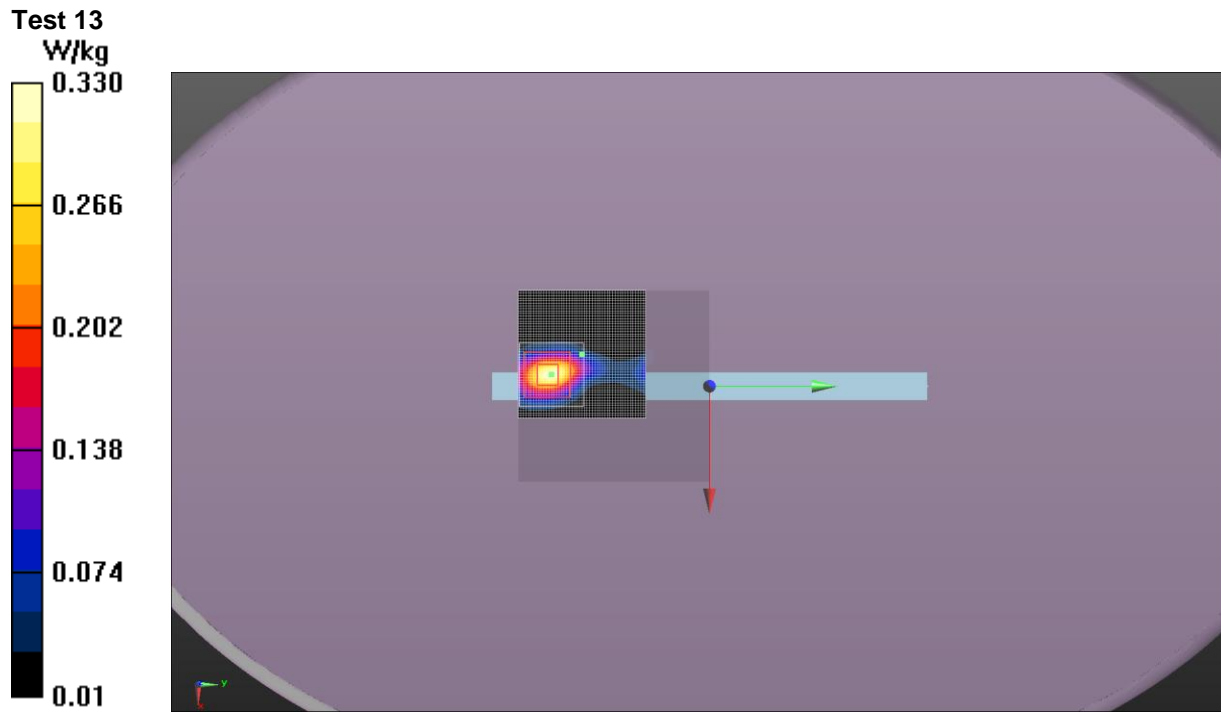
Maximum value of SAR (interpolated) = 0.0785 W/kg

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



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.7
Date:	7/1/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	52
Configuration:	INTE5597-2	Bar. Pressure (mb):	1011
Comments:	Final Power setting: 12.0 dBm		

## Test 14

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2422 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2422$  MHz;  $\sigma = 1.904$  S/m;  $\epsilon_r = 51.005$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 11.77 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.661 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.098 W/kg**

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

Maximum value of SAR (measured) = 0.270 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.299 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) = 7.564 V/m

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

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

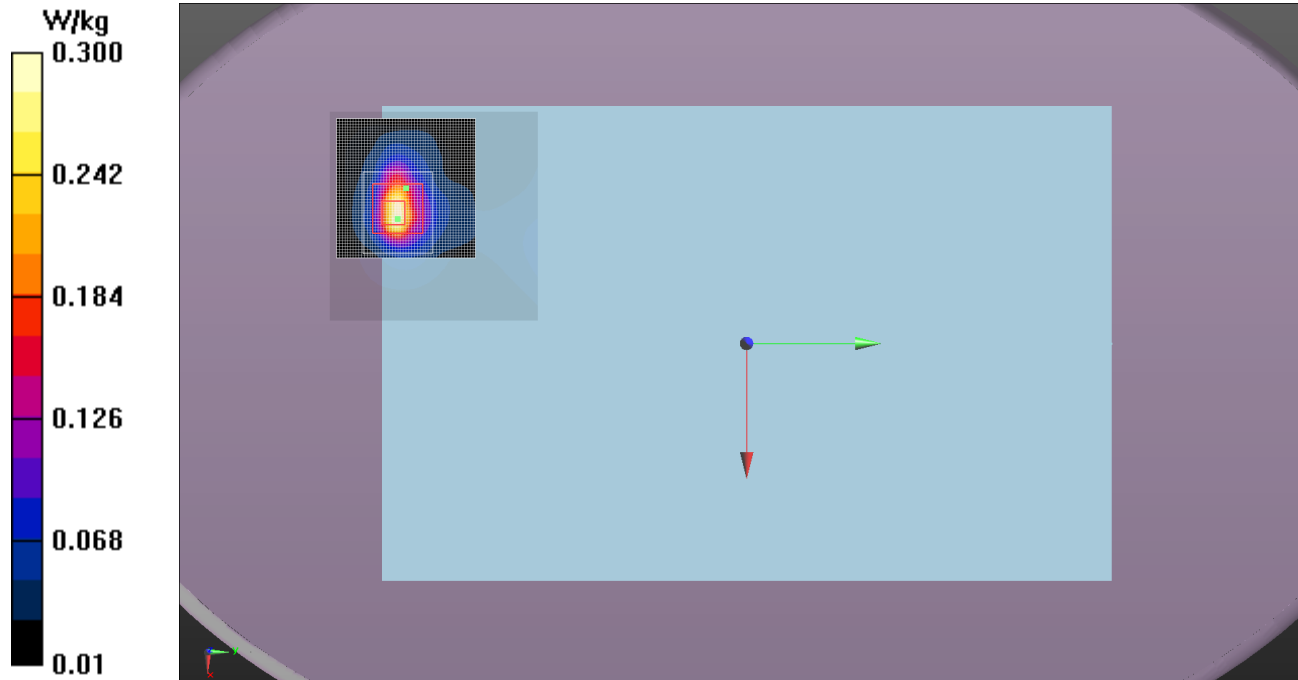
Maximum value of SAR (interpolated) = 0.181 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz

Test 14



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.2
Date:	7/6/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	51
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 12.0 dBm		

## Test 15

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2422 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2422$  MHz;  $\sigma = 1.987$  S/m;  $\epsilon_r = 51.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 12.40 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.474 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.096 W/kg**

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

Maximum value of SAR (measured) = 0.299 W/kg

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.316 W/kg

**Body/Body/Area scan 2 (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.335 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) = 8.665 V/m

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

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

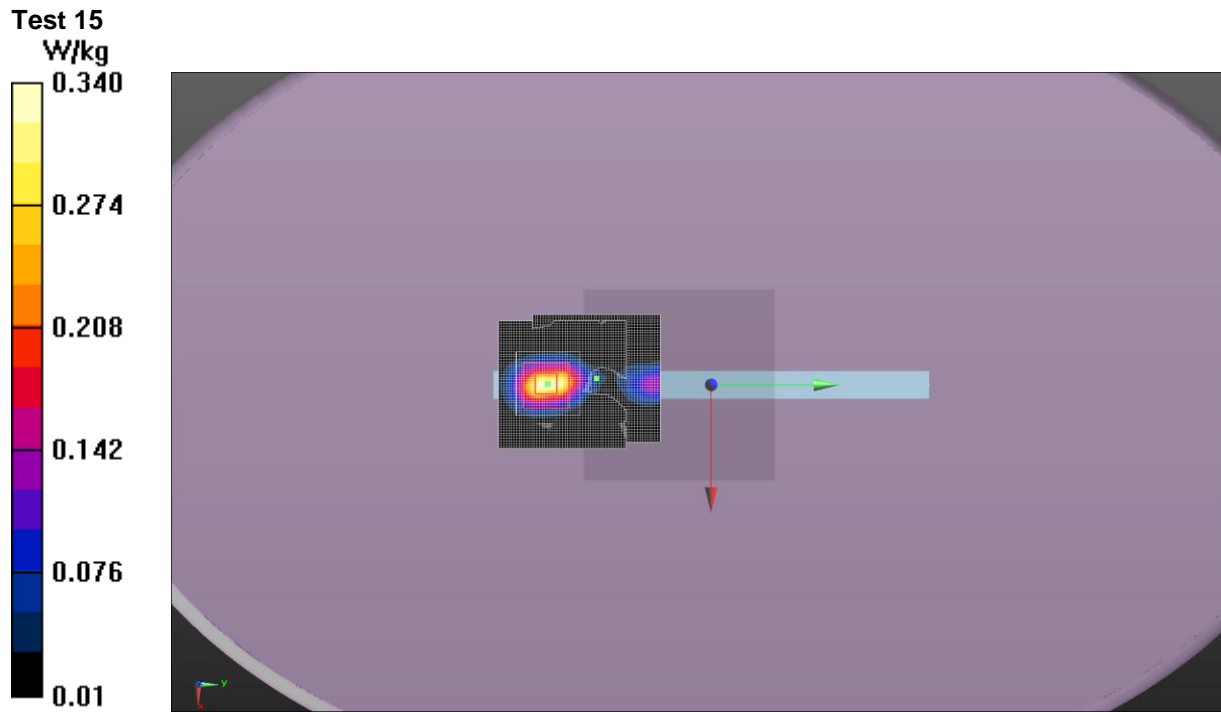
Maximum value of SAR (interpolated) = 0.0498 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



Approved By

# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	7/6/2015	Liquid Temperature (°C):	21.2
Serial Number:	IASY515S0018	Humidity (%RH):	49
Configuration:	INTE5597-3	Bar. Pressure (mb):	1013
Comments:	Final Power setting: 12.0 dBm		

## Test 16

**DUT: SKL21-SDS; Type: Table/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2422 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2422$  MHz;  $\sigma = 1.987$  S/m;  $\epsilon_r = 51.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Maximum value of SAR (interpolated) = 0.0721 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) = 0.0643 W/kg

**Body/Body/Area scan (6x6x1):** Measurement grid: dx=12mm, dy=12mm

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

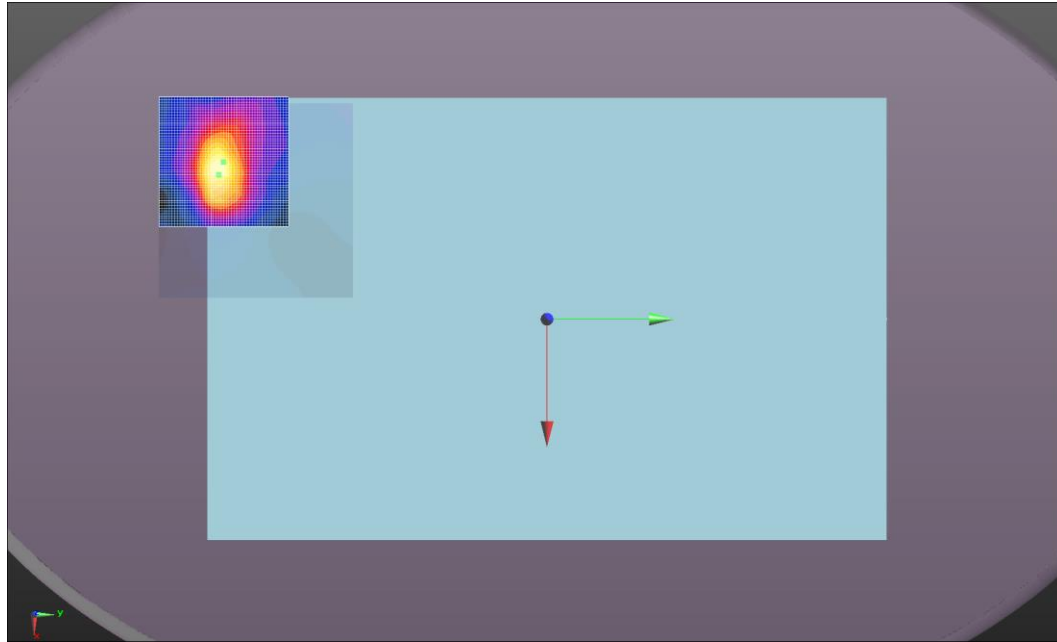
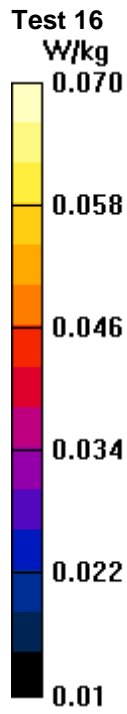
Maximum value of SAR (measured) = 0.0666 W/kg



Approved By

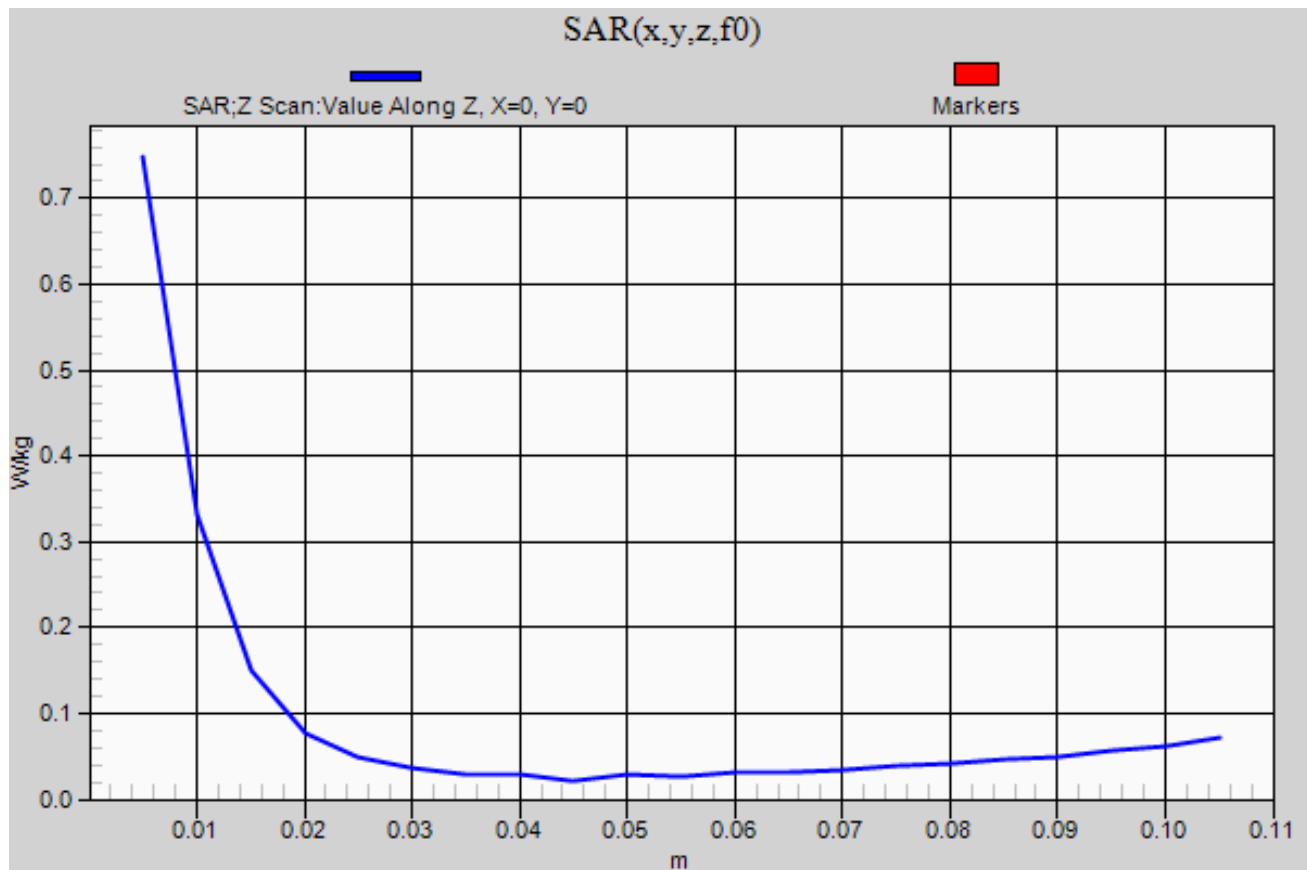


# SAR TEST DATA – 2.4 GHz



# SAR TEST DATA – 2.4 GHz

Test 10 -



# SAR TEST DATA – 5.2 GHz

EUT:	SKL21-SDS	Work Order:	INTE5597
Customer:	Intel Corporation	Job Site:	EV08
Attendees:	None	Customer Project:	None

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2015 FCC 2.1093:2015	FCC KDB 248227 D01 V02r01 FCC KDB 447498 D01 v05r02 FCC KDB 616217 D04 v01r01 FCC KDB 865664 D01 v01r03 FCC KDB 865664 D02 v01r01 IEEE Std 1528:2013

## COMMENTS

None

## DEVIATIONS FROM TEST STANDARD

None

## RESULTS

Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Data Rate (Mbps)	Channel Bandwidth (MHz)	Antenna Port	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Rated Power	Scaling Factor	Reported 1g SAR Level (mW/g)	Reported 10g SAR Level (mW/g)	Test Number
5.2	5240	48	6 Mbit	20	A	Tablet	Left	-0.11	0.65	0.17	11	0.56	0.37	0.10	101
5.2	5240	48	6 Mbit	20	A	Tablet	Back	0.06	1.01	0.32	11	0.56	0.57	0.18	102
5.2	5180	36	6 Mbit	20	A	Tablet	Back	0.11	1.14	0.36	11	0.58	0.66	0.21	102a
5.2	5220	44	6 Mbit	20	A	Tablet	Back	0.00	0.96	0.32	11	0.63	0.61	0.20	102b
5.2	5240	48	6 Mbit	20	A	Thick Tablet	Left	-0.57	0.73	0.33	11	0.56	0.41	0.19	103a
5.2	5240	48	6 Mbit	20	A	Thick Tablet	Back	0.03	0.18	0.13	11	0.56	0.10	0.07	104a
5.2	5230	44/48 (46F)	MCS0(ac)	40	A	Tablet	Left	0.16	0.62	0.16	11	0.69	0.43	0.11	105
5.2	5230	44/48 (46F)	MCS0(ac)	40	A	Tablet	Back	0.13	0.89	0.29	11	0.69	0.62	0.20	106
5.2	5190	36/40 (38f)	MCS0(ac)	40	A	Tablet	Back	0.10	0.86	0.28	11	0.79	0.68	0.22	106a
5.2	5230	44/48 (46F)	MCS0(ac)	40	A	Thick Tablet	Left	-0.23	0.68	0.27	11	0.69	0.47	0.19	107b
5.2	5230	44/48 (46F)	MCS0(ac)	40	A	Thick Tablet	Back	0.27	0.16	0.12	11	0.69	0.11	0.08	108a
5.2	5210	42	MCS0(ac)	80	A	Tablet	Left	0.25	0.68	0.17	11	0.62	0.42	0.10	109
5.2	5210	42	MCS0(ac)	80	A	Tablet	Back	0.13	1.04	0.33	11	0.62	0.64	0.20	110
5.2	5210	42	MCS0(ac)	80	A	Thick Tablet	Left	0.05	0.73	0.28	11	0.62	0.45	0.17	111a
5.2	5210	42	MCS0(ac)	80	A	Thick Tablet	Back	0.34	0.20	0.14	11	0.62	0.12	0.09	112a
5.2	5200	40	6 Mbit	20	B	Tablet	Right	-0.17	1.11	0.28	10	0.22	0.25	0.06	113
5.2	5240	48	6 Mbit	20	B	Tablet	Right	-0.10	0.92	0.23	10	0.22	0.20	0.05	113a
5.2	5180	36	6 Mbit	20	B	Tablet	Right	-0.10	0.76	0.19	10	0.30	0.23	0.06	113c
5.2	5240	48	6 Mbit	20	B	Tablet	Back	0.07	1.45	0.48	10	0.22	0.32	0.11	114d
5.2	5200	40	6 Mbit	20	B	Tablet	Back	0.07	1.46	0.48	10	0.22	0.32	0.11	114e
5.2	5180	36	6 Mbit	20	B	Tablet	Back	0.05	1.23	0.42	10	0.30	0.37	0.13	114g
5.2	5200	40	6 Mbit	20	B	Thick Tablet	Right	0.25	0.71	0.21	10	0.22	0.16	0.05	115c
5.2	5200	40	6 Mbit	20	B	Thick Tablet	Back	0.19	0.47	0.23	10	0.22	0.10	0.05	116d
5.2	5230	44/48 (46F)	MCS0(ac)	40	B	Tablet	Right	0.12	0.88	0.22	10	0.21	0.18	0.05	117
5.2	5190	36/40 (38f)	MCS0(ac)	40	B	Tablet	Right	0.09	1.10	0.28	10	0.63	0.69	0.18	117a
5.2	5230	44/48 (46F)	MCS0(ac)	40	B	Tablet	Back	0.02	1.47	0.47	10	0.21	0.31	0.10	118a
5.2	5190	36/40 (38f)	MCS0(ac)	40	B	Tablet	Back	0.11	1.25	0.415	10	0.21	0.26	0.09	118b
5.2	5230	44/48 (46F)	MCS0(ac)	40	B	Tablet	Back	1.43	1.39	.471	10	0.55	0.76	0.26	118e

# SAR TEST DATA – 5.2 GHz

Frequency Band	Transmit Frequency (MHz)	Transmit Channel	Data Rate (Mbps)	Channel Bandwidth (MHz)	Antenna Port	Mode	EUT Position	Power Drift During Test (dB)	Measured 1g SAR Level (mW/g)	Measured 10g SAR Level (mW/g)	Rated Power	Scaling Factor	Reported 1g SAR Level (mW/g)	Reported 10g SAR Level (mW/g)	Test Number
5.2	5230	44/48 (46)	MCS0(ac)	40	B	Tablet	Back	0.00	1.53	0.517	10	0.21	0.32	0.11	118f
5.2	5230	44/48 (46)	MCS0(ac)	40	B	Tablet	Back	0.09	1.48	.498	10	0.63	0.93	0.31	118n
5.2	5230	44/48 (46)	MCS0(ac)	40	B	Thick Tablet	Right	-0.17	0.606	0.177	10	0.21	0.13	0.04	119b
5.2	5230	44/48 (46)	MCS0(ac)	40	B	Thick Tablet	Back	-0.03	0.458	0.231	10	0.21	0.10	0.05	120b
5.2	5210	42	MCS0(ac)	80	B	Tablet	Right	-0.31	1.16	0.287	10	0.25	0.29	0.07	121
5.2	5210	42	MCS0(ac)	80	B	Tablet	Back	-0.02	1.22	0.414	10	0.25	0.31	0.10	122a
5.2	5210	42	MCS0(ac)	80	B	Thick Tablet	Right	-0.13	0.878	0.253	10	0.25	0.22	0.06	123a
5.2	5210	42	MCS0(ac)	80	B	Thick Tablet	Back	0.06	0.461	0.24	10	0.25	0.12	0.06	124a

# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	24.1
Date:	6/22/2015	Liquid Temperature (°C):	21.6
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Final Power Setting: 11.0 dBm		

## Test 101

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.574$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.31 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.57 W/kg

**SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.168 W/kg**

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

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

**Body/Body/Reference scan (21x81x1):** Interpolated grid: dx=3.000 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 0.365 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) = 6.306 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

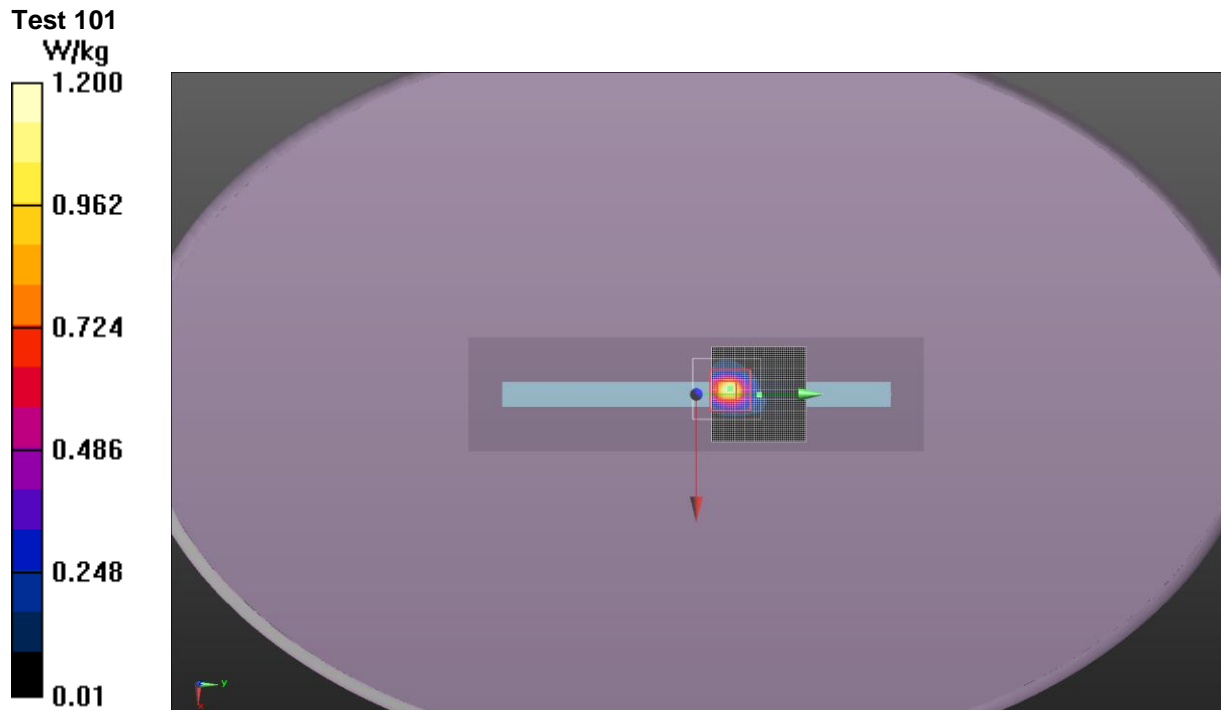
Maximum value of SAR (interpolated) = 1.21 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.4
Date:	6/19/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	41.9
Configuration:	INTE5597-2	Bar. Pressure (mb):	1020.7
Comments:	Final Power Setting: 11.0 dBm		

## Test 102

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.222$  S/m;  $\epsilon_r = 47.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.59 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.324 W/kg**

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

Maximum value of SAR (measured) = 1.98 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) = 0.242 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) = 9.934 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

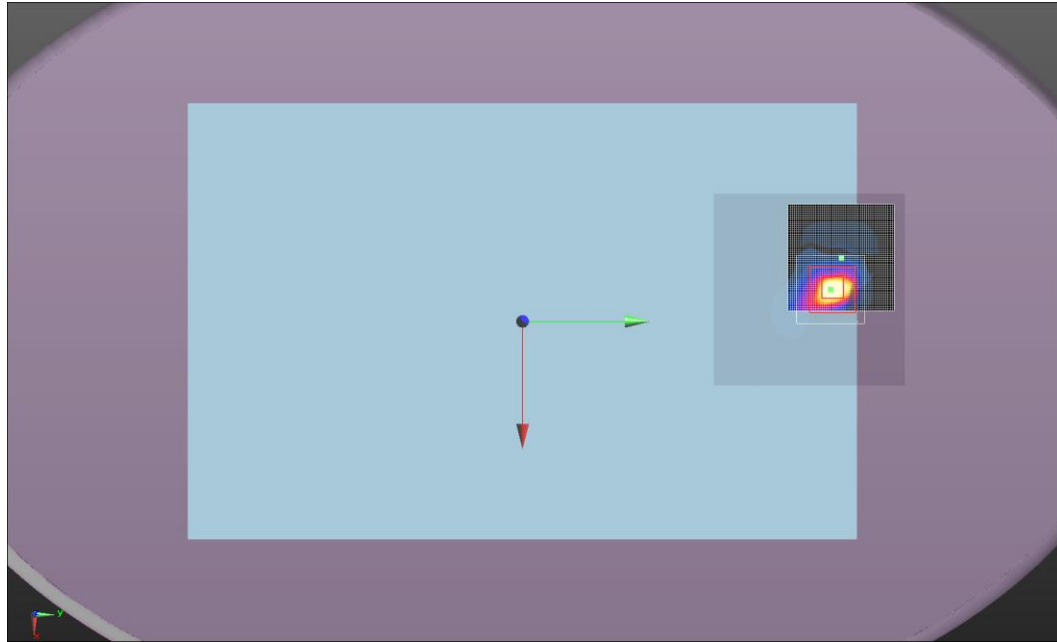
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.96 W/kg

Maximum value of SAR (measured) = 0.515 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.8
Date:	6/22/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	48
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Final Power Setting: 11.0 dBm		

## Test 102a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5180 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5180$  MHz;  $\sigma = 5.133$  S/m;  $\epsilon_r = 47.414$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.20 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.84 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.358 W/kg**

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

Maximum value of SAR (measured) = 2.27 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) = 0.214 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) = 10.91 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 2.27 W/kg

**Body/Body/Area scan 2 (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 2.22 W/kg

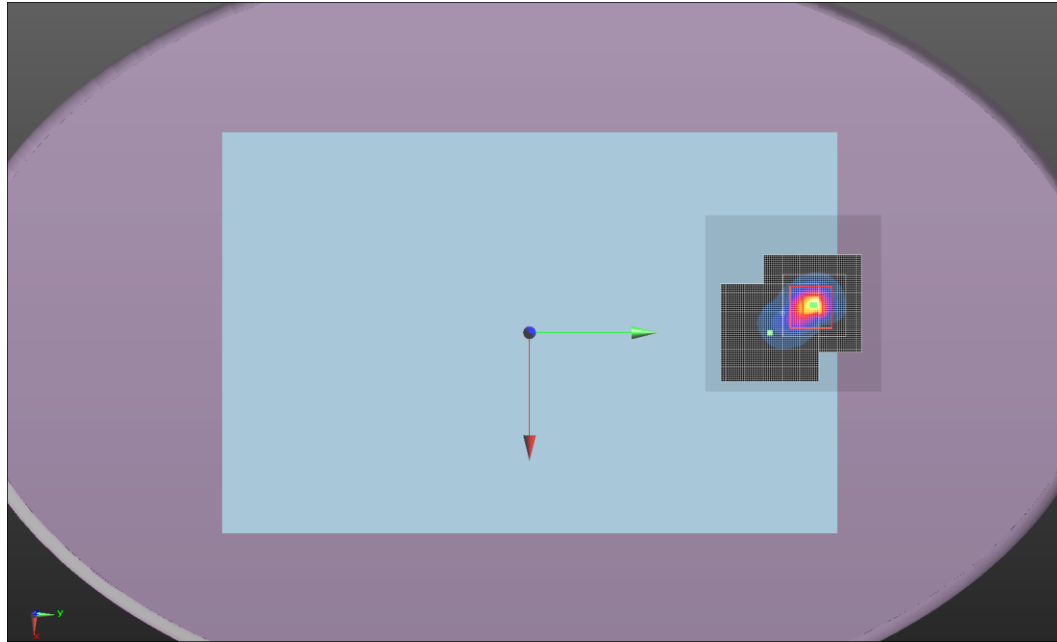
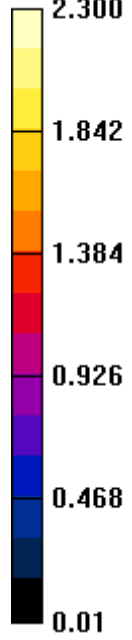
Maximum value of SAR (measured) = 0.611 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 102a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	6/23/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-2	Bar. Pressure (mb):	1020.7
Comments:	Final Power Setting: 11.0 dBm		

## Test 102b

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5220 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5220$  MHz;  $\sigma = 5.252$  S/m;  $\epsilon_r = 47.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.38 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.08 W/kg

**SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.317 W/kg**

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

Maximum value of SAR (measured) = 1.89 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) = 0.272 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) = 9.793 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 1.94 W/kg

**Body/Body/Area scan 2 (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 1.90 W/kg

**Body/Body/Area scan 2 (6x6x1):** Measurement grid: dx=10mm, dy=10mm

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

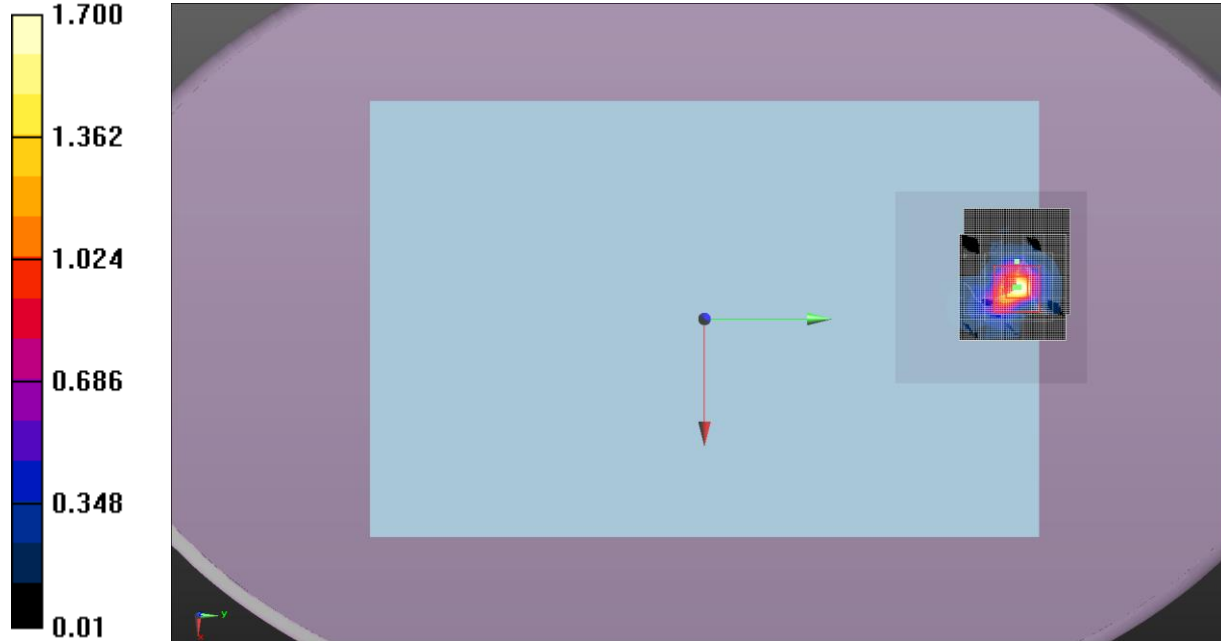
Maximum value of SAR (measured) = 1.22 W/kg

# SAR TEST DATA – 5.2 GHz

Approved By

Test 102b

W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	22.9
Date:	7/7/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	46.6
Configuration:	INTE5597-3	Bar. Pressure (mb):	1017.4
Comments:	Final Power Setting: 11.0 dBm		

## Test 103a

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.428$  S/m;  $\epsilon_r = 46.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.49 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 3.16 W/kg

**SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.326 W/kg**

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

Maximum value of SAR (measured) = 1.26 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) = 0.254 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) = 7.124 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

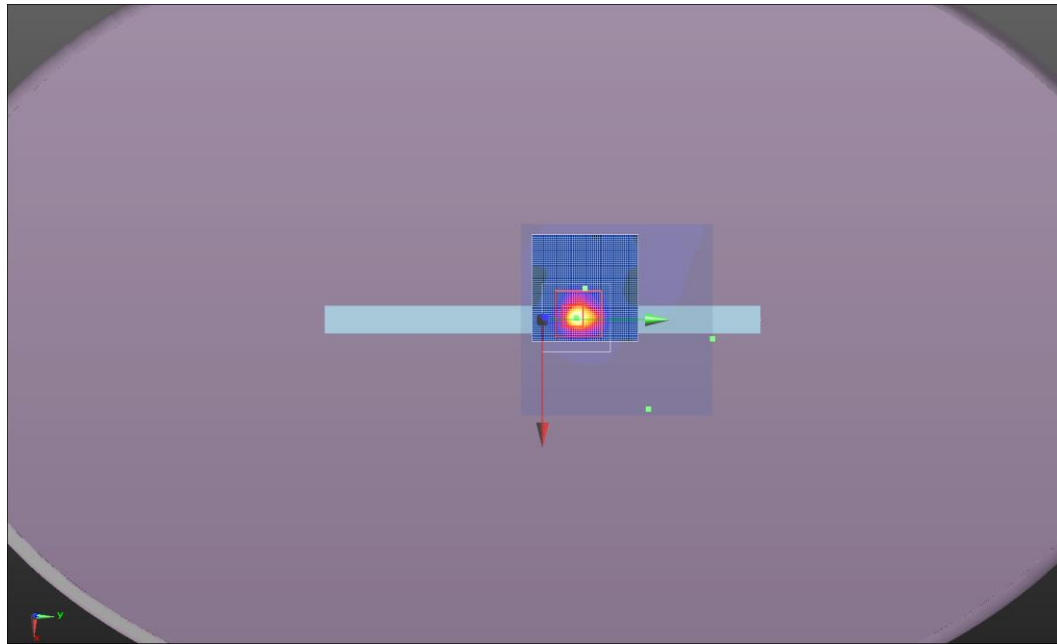
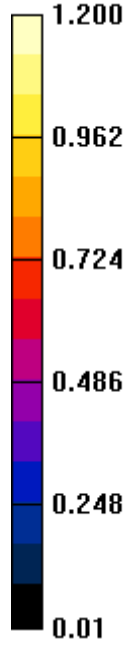
Maximum value of SAR (interpolated) = 1.36 W/kg

Maximum value of SAR (measured) = 0.275 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 103a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	7/7/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	42
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013
Comments:	Final Power Setting: 11.0 dBm		

## Test 104a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.428$  S/m;  $\epsilon_r = 46.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.451 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.572 W/kg

**SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.128 W/kg**

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

Maximum value of SAR (measured) = 0.235 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) = 0.122 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) = 5.577 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.229 W/kg

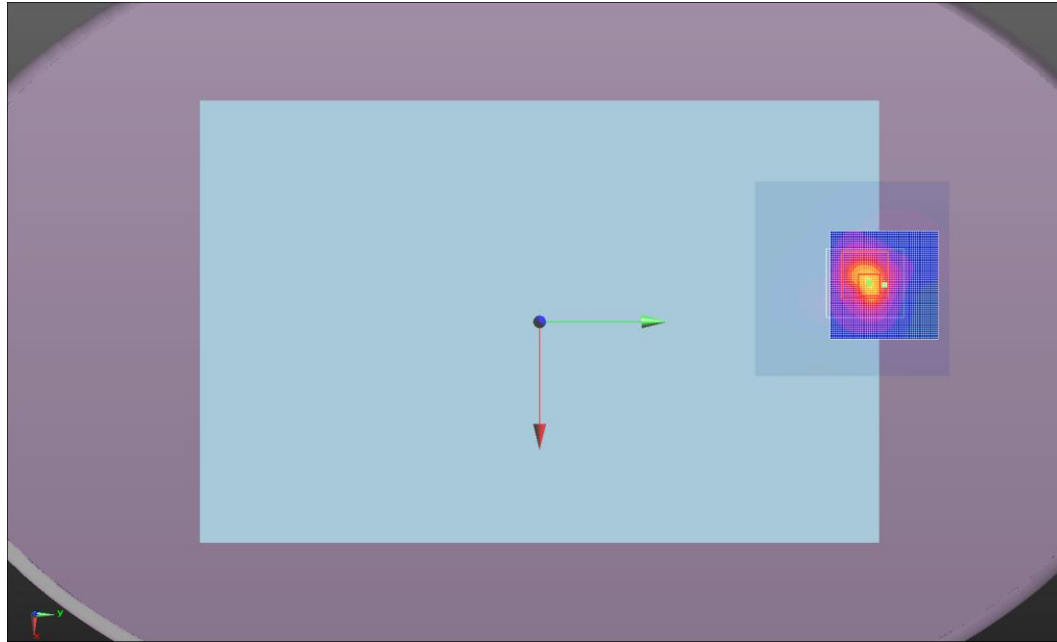
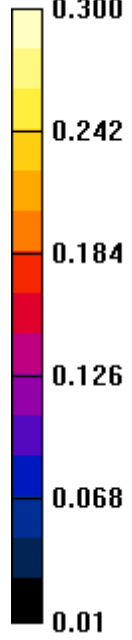
Maximum value of SAR (measured) = 0.169 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 104a  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	6/22/2015	Liquid Temperature (°C):	21.6
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Final Power Setting: 11.0 dBm		

## Test 105

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.263$  S/m;  $\epsilon_r = 47.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.49 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.43 W/kg

**SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.160 W/kg**

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

Maximum value of SAR (measured) = 1.38 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) = 0.0529 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) = 6.602 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

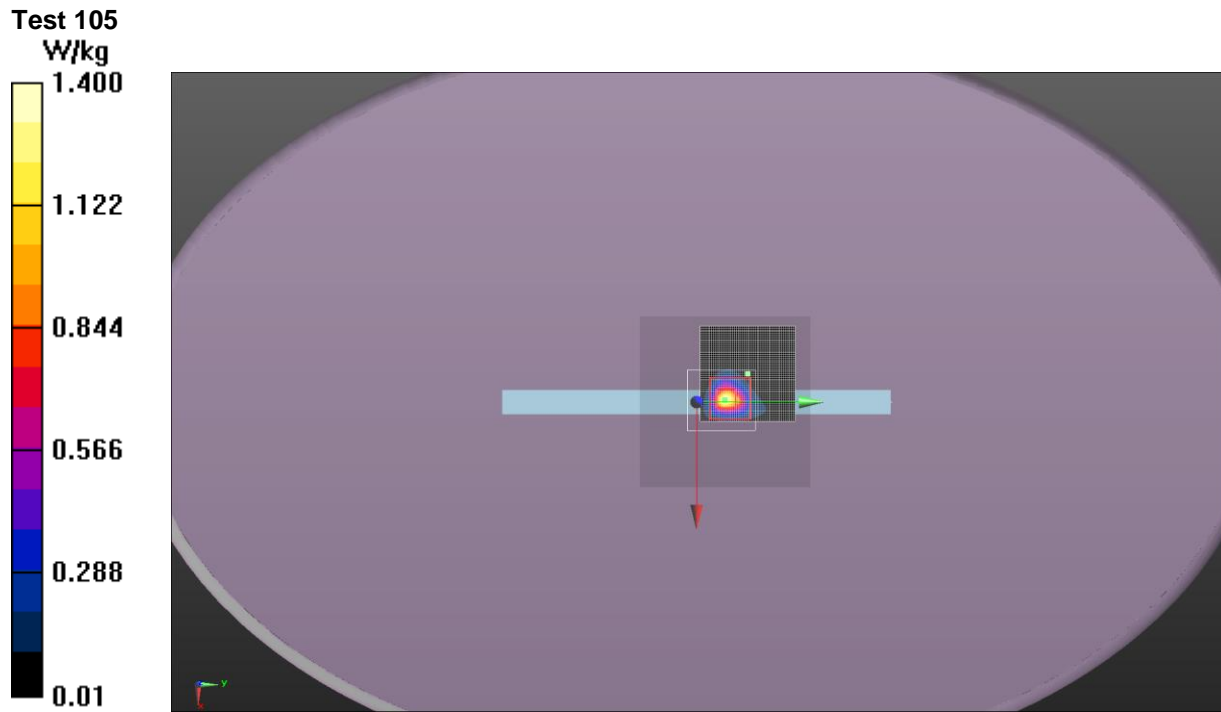
Maximum value of SAR (interpolated) = 1.40 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.4
Date:	6/19/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	40.2
Configuration:	INTE5597-2	Bar. Pressure (mb):	1020
Comments:	Final Power Setting: 11.0 dBm		

## Test 106

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.184$  S/m;  $\epsilon_r = 47.677$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.72 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.94 W/kg

**SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.292 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 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 0.231 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) = 9.643 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

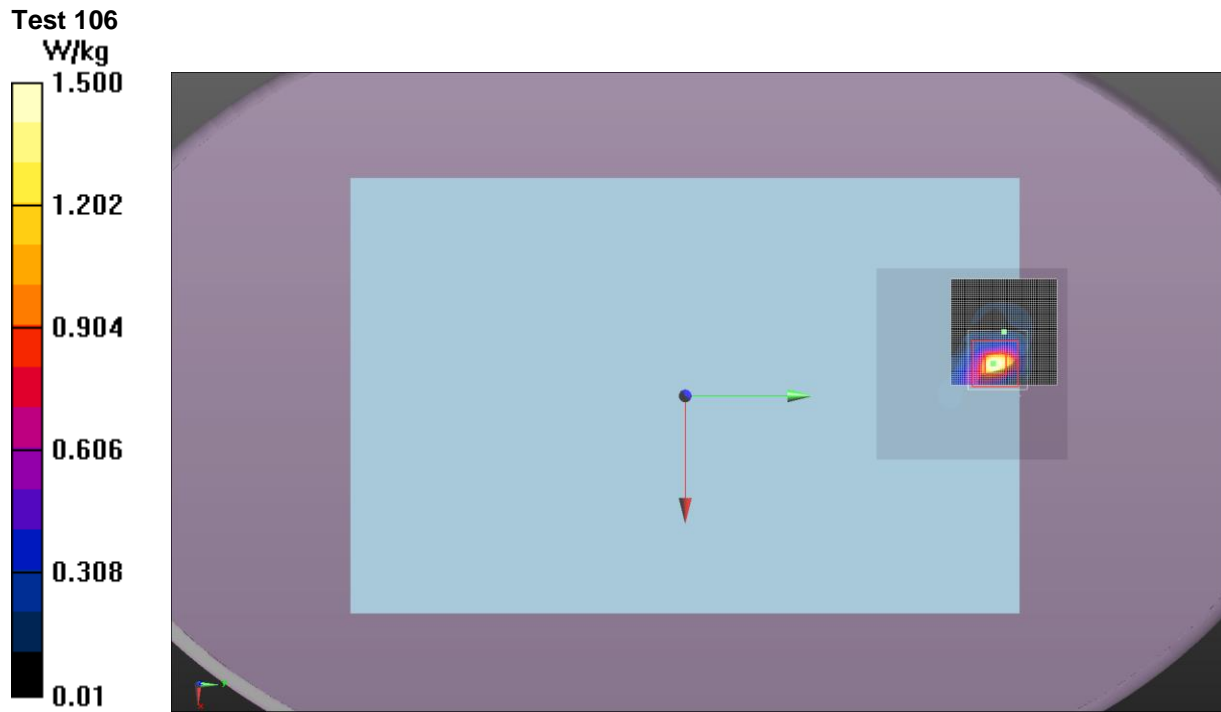
[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Maximum value of SAR (measured) = 0.482 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.2
Date:	6/22/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Final Power Setting: 11.0 dBm		

## Test 106a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5190 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5190$  MHz;  $\sigma = 5.178$  S/m;  $\epsilon_r = 47.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.70 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.55 W/kg

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.285 W/kg**

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

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

**Body/Body/Area scan 2 (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 1.65 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) = 0.163 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) = 9.785 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

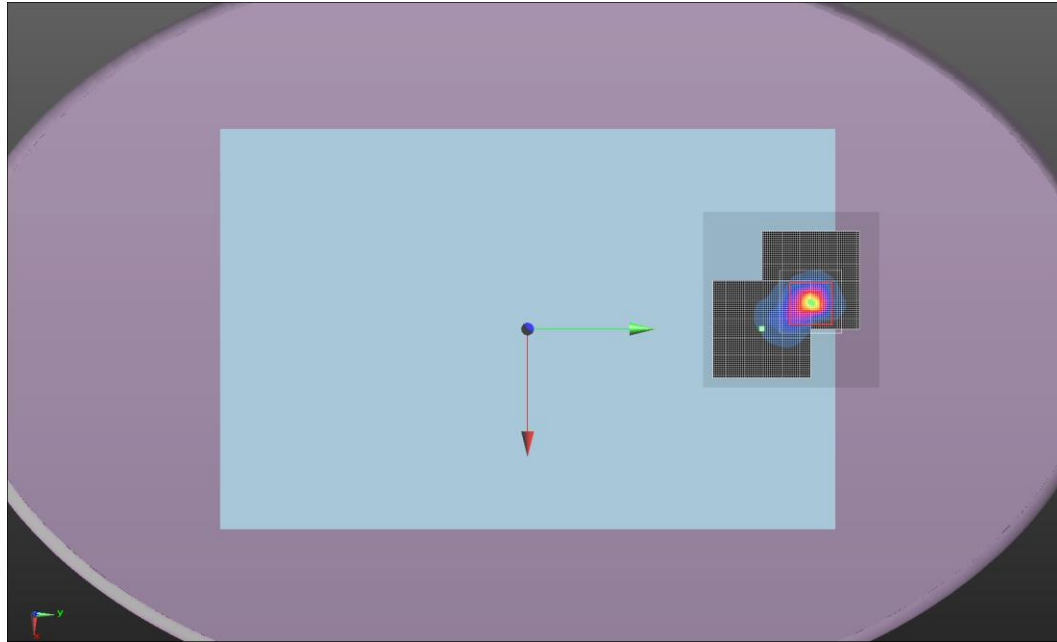
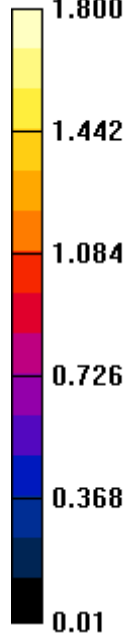
Maximum value of SAR (measured) = 0.496 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 106a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Rthan Schoonover	Room Temperature (°C):	23.2
Date:	7/7/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	45.7
Configuration:	INTE5597-3	Bar. Pressure (mb):	1017.4
Comments:	Final Power Setting: 11.0 dBm		

## Test 107b

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 46.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.912 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 2.89 W/kg

**SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.267 W/kg**

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

Maximum value of SAR (measured) = 1.33 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) = 0.184 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) = 6.172 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

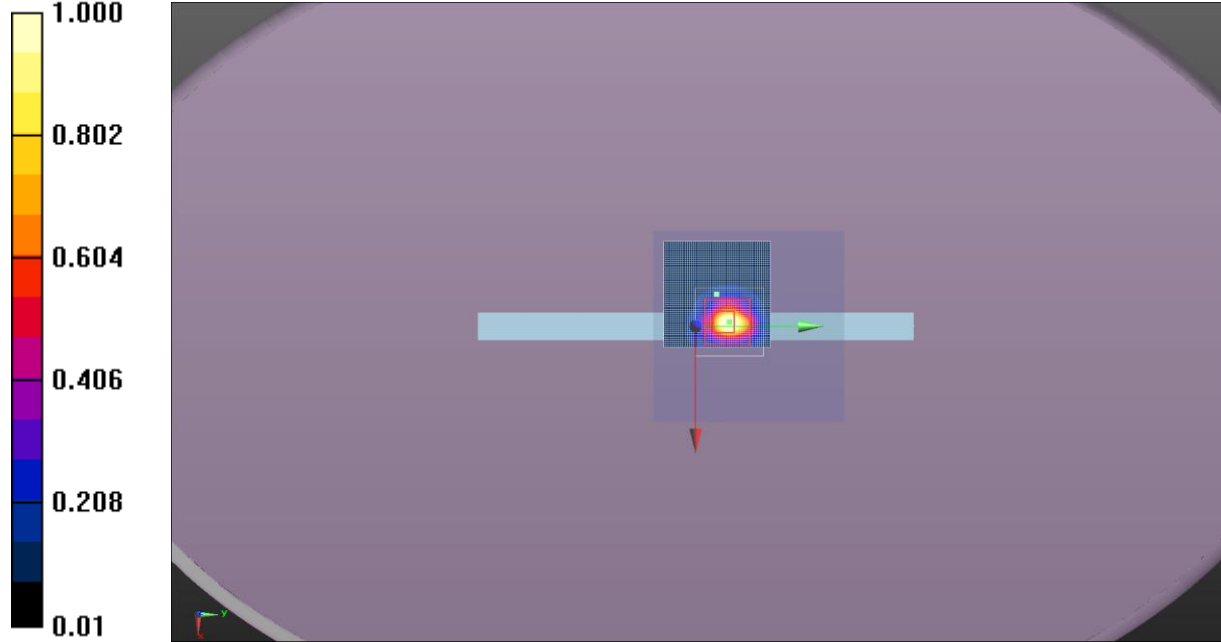
Maximum value of SAR (interpolated) = 1.27 W/kg

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

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 107b  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.1
Date:	7/7/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	47
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013
Comments:	Final Power Setting: 11.0 dBm		

## Test 108a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 46.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.376 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.121 W/kg**

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

Maximum value of SAR (measured) = 0.229 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) = 0.126 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) = 5.856 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.250 W/kg

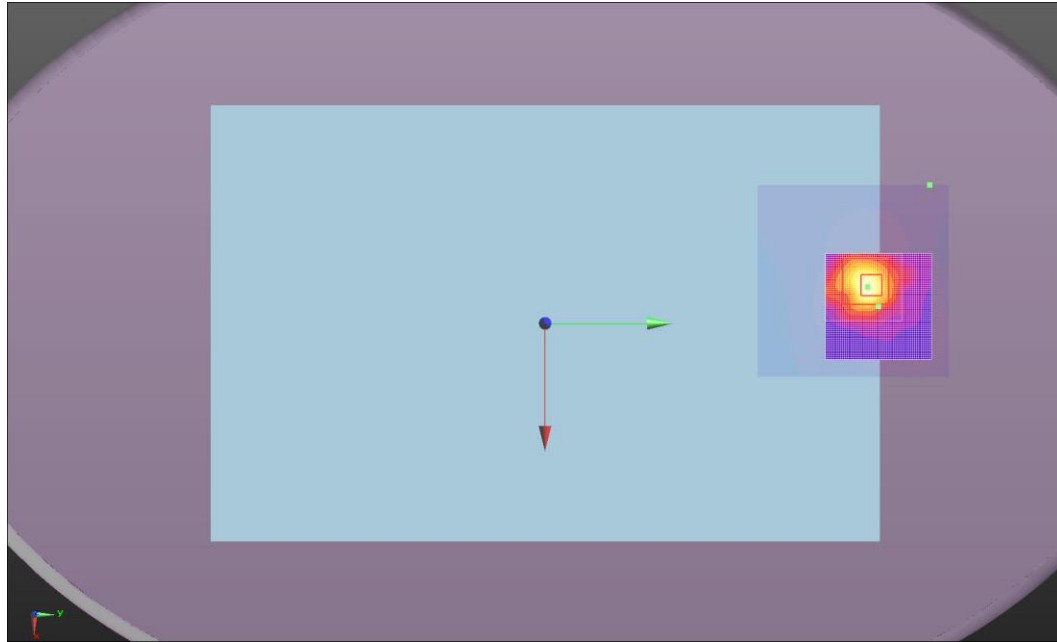
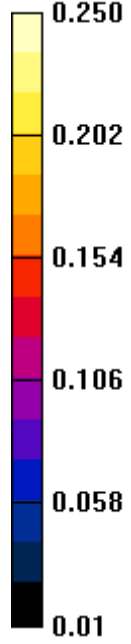
Maximum value of SAR (measured) = 0.185 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 108a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.2
Date:	6/22/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	47
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Final Power Setting: 11.0 dBm		

## Test 109

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.237$  S/m;  $\epsilon_r = 47.474$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.94 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 2.65 W/kg

**SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.173 W/kg**

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

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

**Body/Body/Reference scan (21x21x1):** Interpolated grid: dx=3.000 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 1.26 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) = 6.686 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

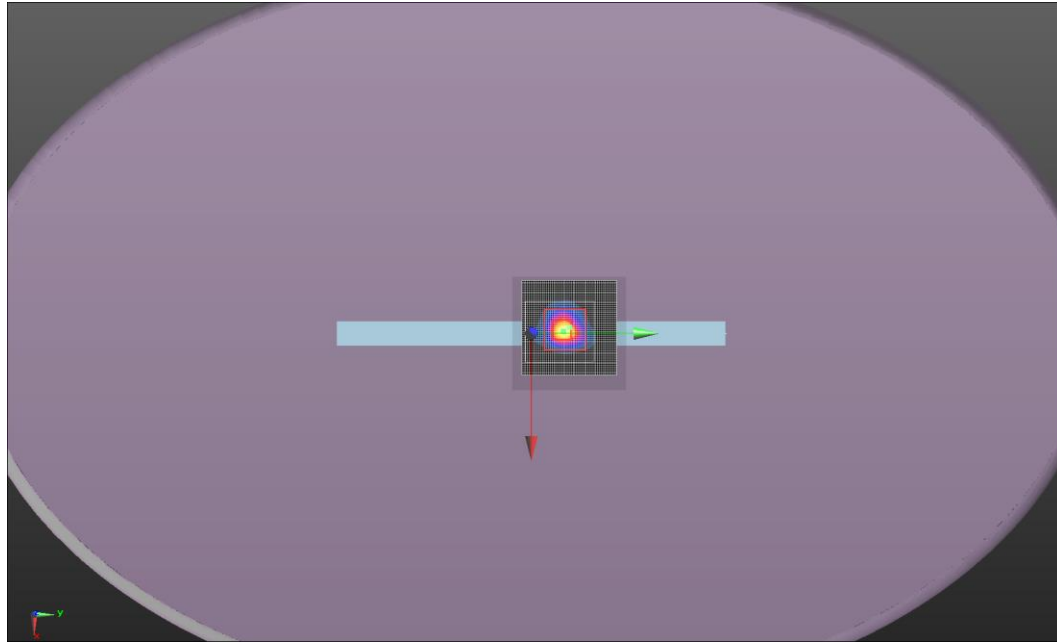
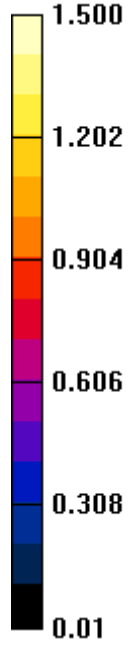
Maximum value of SAR (measured) = 0.234 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 109  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.4
Date:	6/19/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	40
Configuration:	INTE5597-2	Bar. Pressure (mb):	1020
Comments:	Final Power Setting: 11.0 dBm		

## Test 110

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.147$  S/m;  $\epsilon_r = 47.665$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.14 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 4.42 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.326 W/kg**

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

Maximum value of SAR (measured) = 2.02 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) = 0.261 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) = 10.62 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

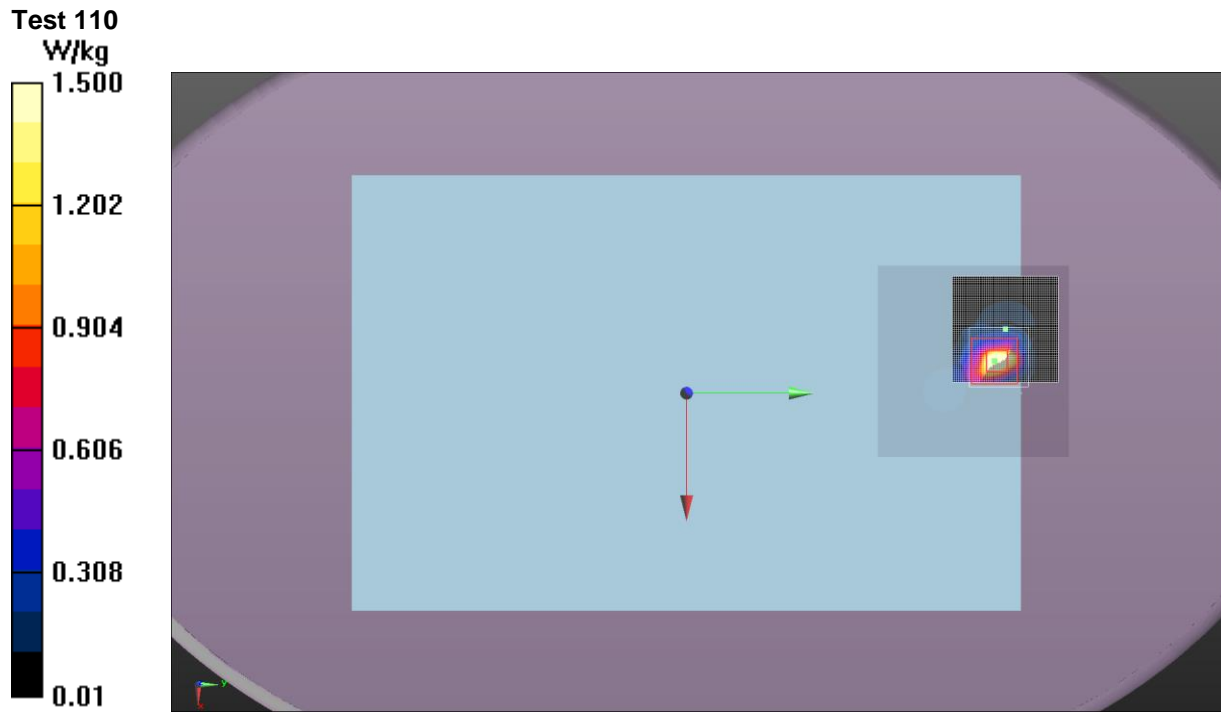
[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Maximum value of SAR (measured) = 0.581 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/7/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	45.6
Configuration:	INTE5597-3	Bar. Pressure (mb):	1017.5
Comments:	Final Power Setting: 11.0 dBm		

## Test 111a

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 46.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.697 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.275 W/kg**

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

Maximum value of SAR (measured) = 1.41 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) = 0.170 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) = 5.821 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

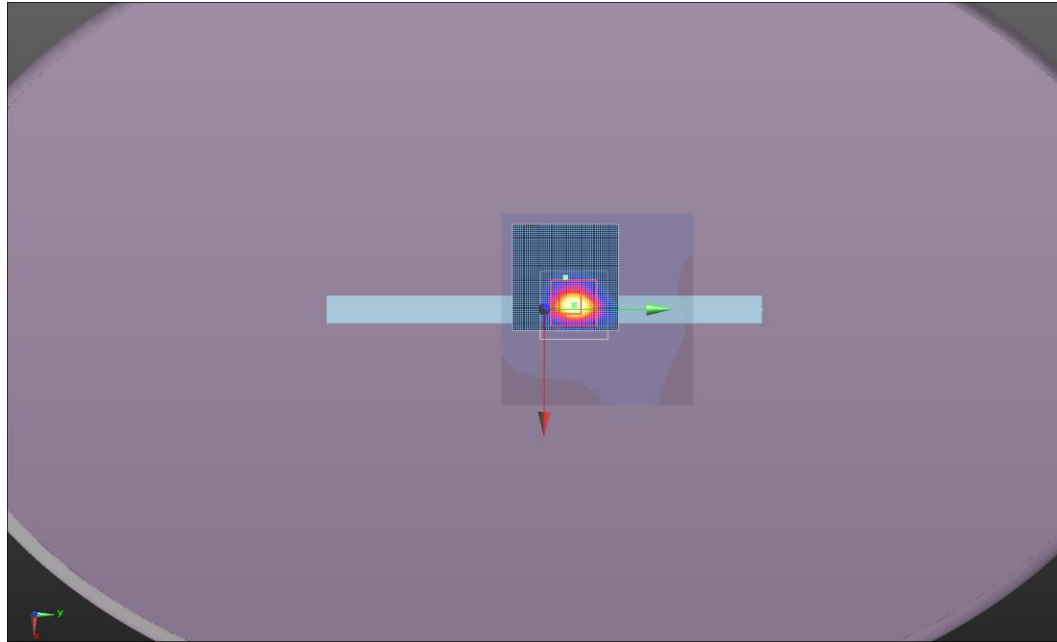
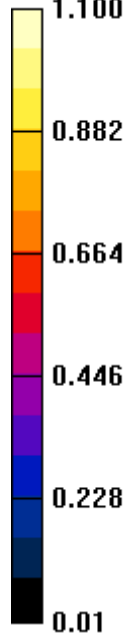
Maximum value of SAR (interpolated) = 1.32 W/kg

Maximum value of SAR (measured) = 0.182 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 111a  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	21.9
Date:	7/7/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013
Comments:	Final Power Setting: 11.0 dBm		

## Test 112a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 46.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.718 V/m; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.137 W/kg**

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

Maximum value of SAR (measured) = 0.267 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) = 0.138 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) = 5.935 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.267 W/kg

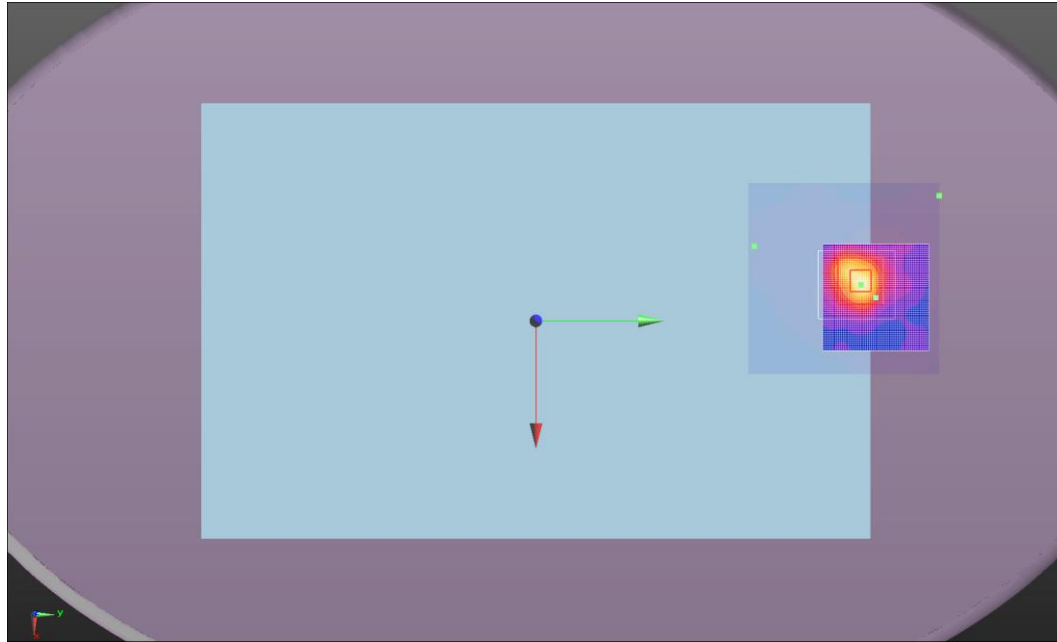
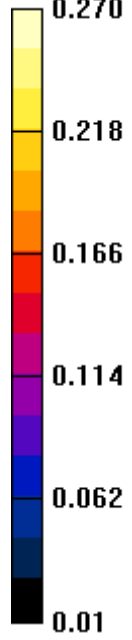
Maximum value of SAR (measured) = 0.189 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 112a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.6
Date:	6/23/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	39.9
Configuration:	INTE5597-4	Bar. Pressure (mb):	1019
Comments:	Final Power Setting: 12.5 dBm		

## Test 113

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5200 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.223$  S/m;  $\epsilon_r = 47.452$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.50 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.18 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.280 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.751 W/kg



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

Maximum value of Total (measured) = 8.775 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

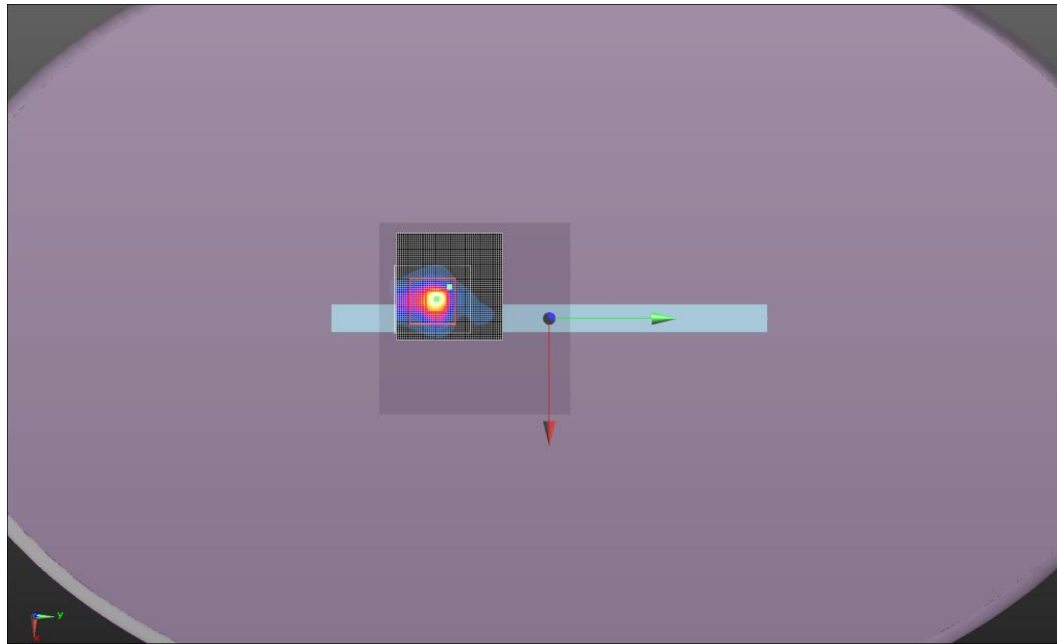
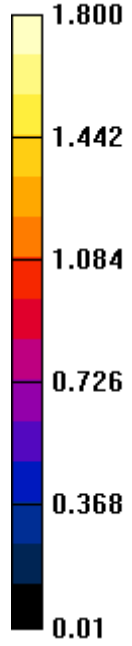
Maximum value of SAR (interpolated) = 2.26 W/kg

Maximum value of SAR (measured) = 0.402 W/kg

   
**Approved By**

# SAR TEST DATA – 5.2 GHz

Test 113  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	6/23/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	38.5
Configuration:	INTE5597-4	Bar. Pressure (mb):	1019
Comments:	Final Power Setting: 12.5 dBm		

## Test 113a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.574$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.40 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.27 W/kg

**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.228 W/kg**

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

Maximum value of SAR (measured) = 1.99 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) = 0.357 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) = 7.904 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

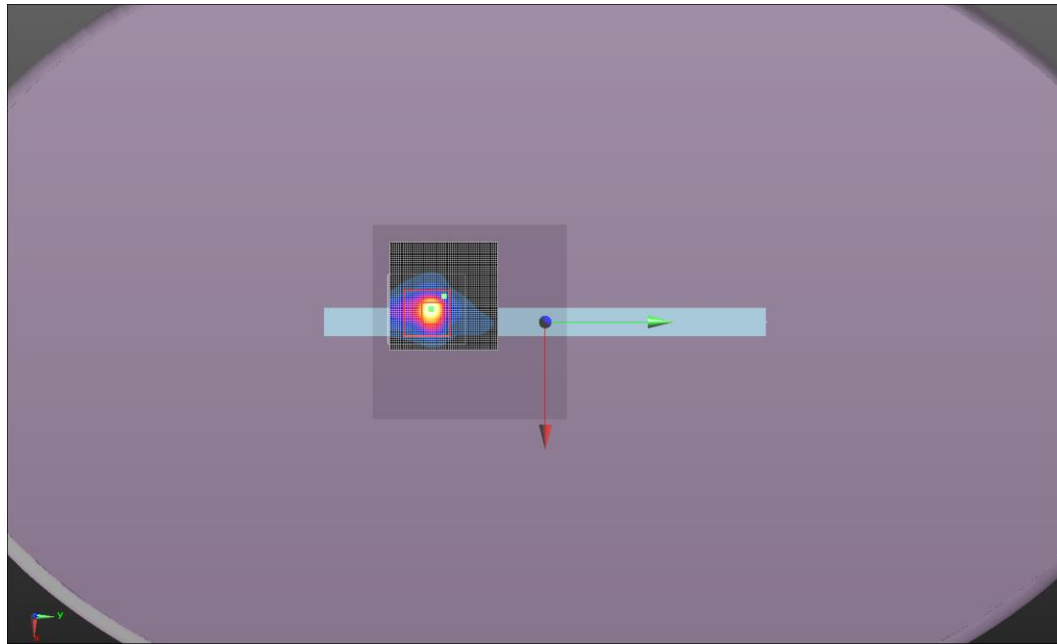
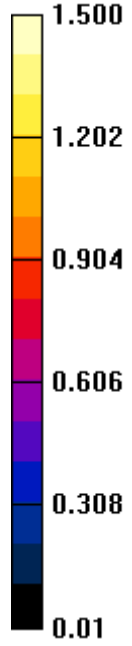
Maximum value of SAR (interpolated) = 1.88 W/kg

Maximum value of SAR (measured) = 0.329 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 113a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/25/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	46.4
Configuration:	INTE5597-4	Bar. Pressure (mb):	1020.1
Comments:	Final Power Setting: 11.0 dBm		

## Test 113c

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5180 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5180$  MHz;  $\sigma = 5.208$  S/m;  $\epsilon_r = 47.447$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.02 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.44 W/kg

**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.186 W/kg**

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

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

**Body/Body/Reference scan (21x31x1):** Interpolated grid: dx=3.000 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 0.558 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) = 7.356 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

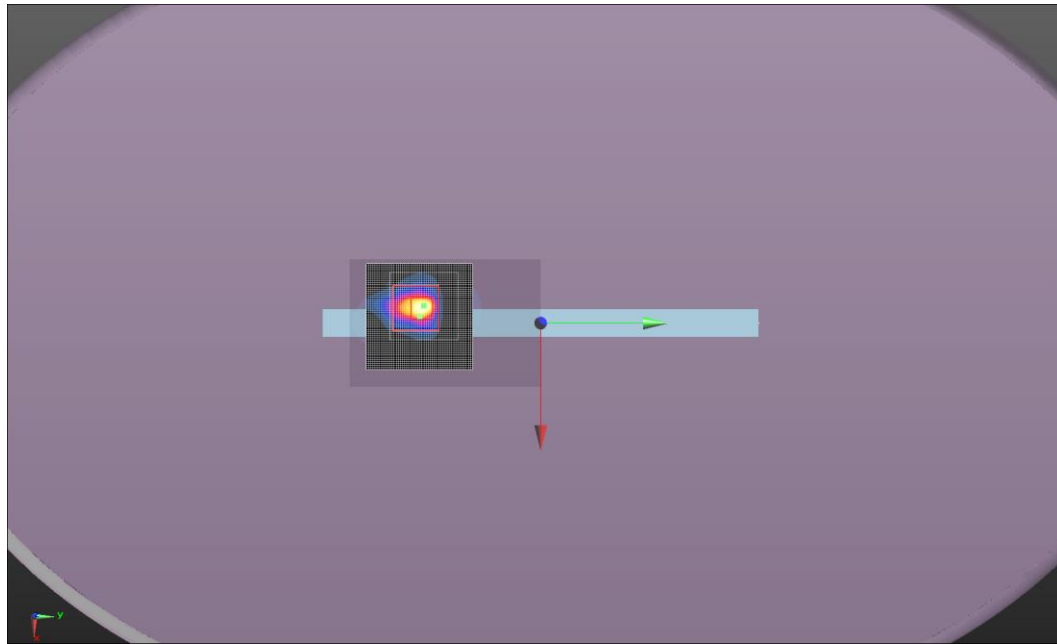
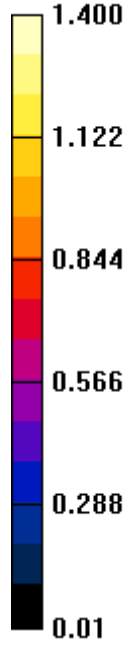
Maximum value of SAR (interpolated) = 1.50 W/kg

Maximum value of SAR (measured) = 0.282 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 113c  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	6/22/2015	Liquid Temperature (°C):	21.3
Serial Number:	IASY515S0018	Humidity (%RH):	42.1
Configuration:	INTE5597-2	Bar. Pressure (mb):	1019.9
Comments:	Final Power Setting: 12.5 dBm		

## Test 114d

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.574$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.92 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.34 W/kg

**SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.478 W/kg**

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

Maximum value of SAR (measured) = 2.91 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) = 0.761 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) = 11.52 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

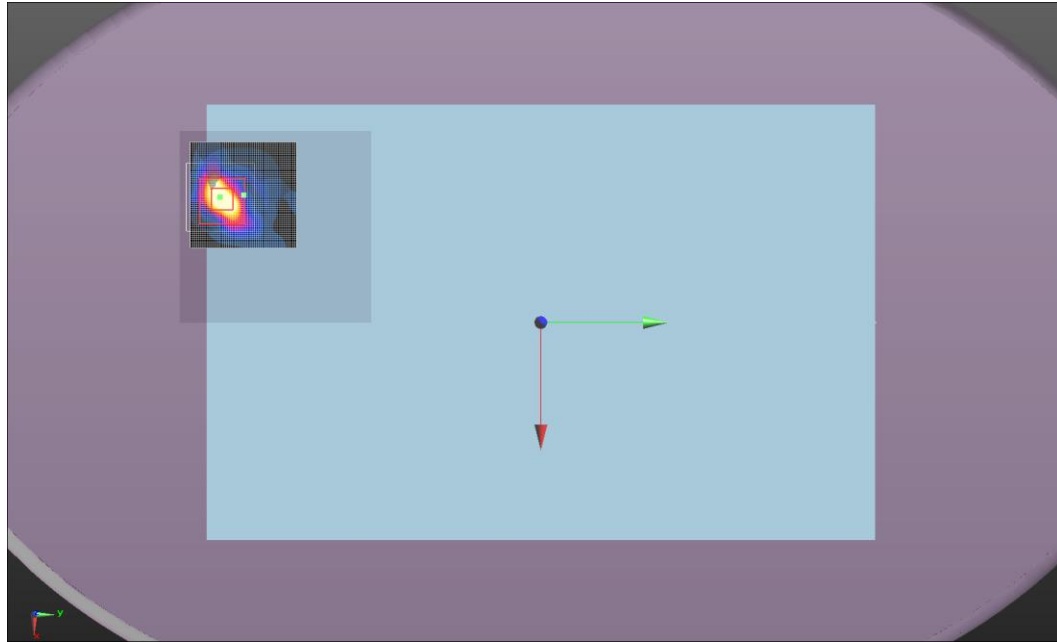
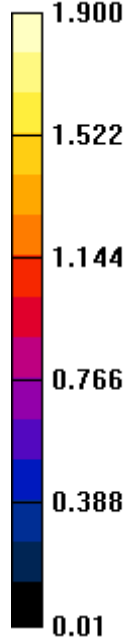
Maximum value of SAR (interpolated) = 2.59 W/kg

Maximum value of SAR (measured) = 0.699 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 114d  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	6/22/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	42.8
Configuration:	INTE5597-2	Bar. Pressure (mb):	1019.5
Comments:	Final Power Setting: 12.5 dBm		

## Test 114e

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5200 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.223$  S/m;  $\epsilon_r = 47.452$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.20 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.34 W/kg

**SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.479 W/kg**

Maximum value of SAR (measured) = 2.97 W/kg

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

Maximum value of SAR (interpolated) = 0.797 W/kg



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

Maximum value of Total (measured) = 11.72 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

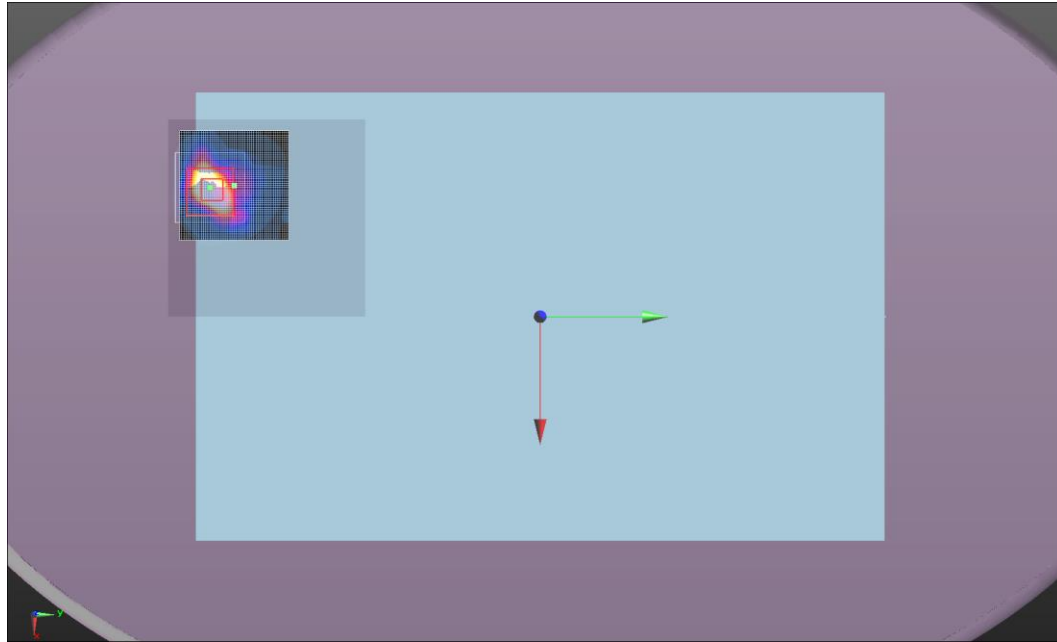
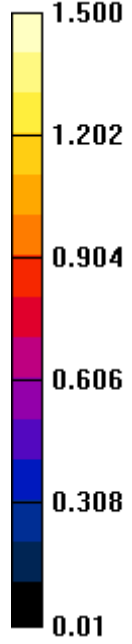
Maximum value of SAR (interpolated) = 2.66 W/kg

Maximum value of SAR (measured) = 0.717 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 114e  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	6/23/2015	Liquid Temperature (°C):	21.3
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1017
Comments:	Final Power Setting: 11.0 dBm		

## Test 114g

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5180 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5180$  MHz;  $\sigma = 5.133$  S/m;  $\epsilon_r = 47.414$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.04 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.41 W/kg

**SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.417 W/kg**

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

Maximum value of SAR (measured) = 2.50 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) = 0.809 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) = 11.13 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 2.61 W/kg

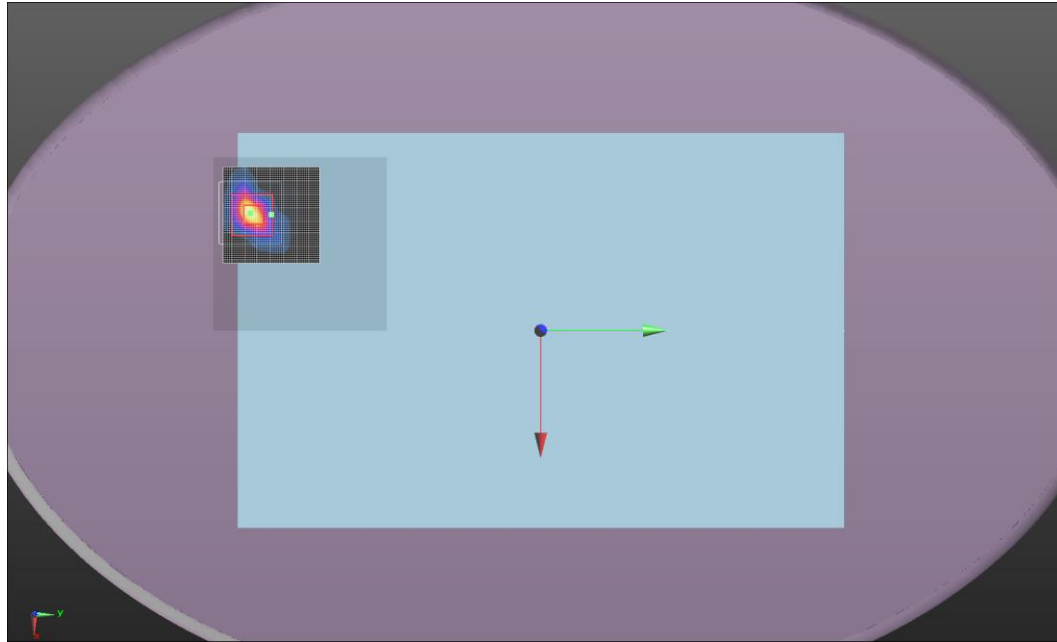
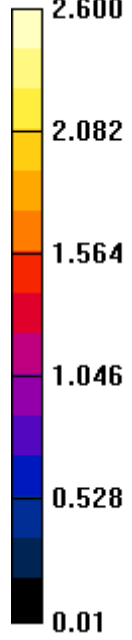
Maximum value of SAR (measured) = 0.636 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 114g  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.3
Date:	7/7/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	42
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013
Comments:	Final Power Setting: 12.5 dBm		

## Test 115c

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5200 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.369$  S/m;  $\epsilon_r = 46.992$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 15.49 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 2.53 W/kg

**SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.207 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.296 W/kg

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

Maximum value of Total (measured) = 8.135 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

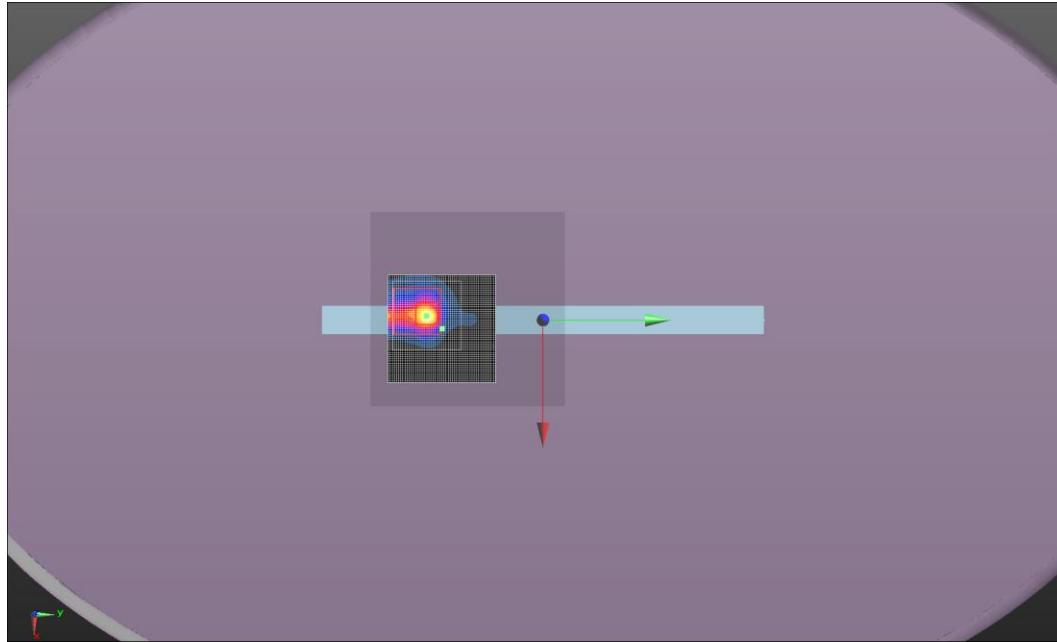
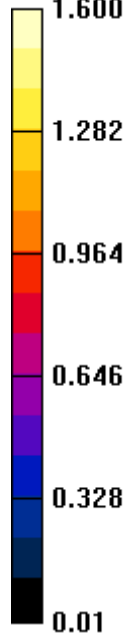
Maximum value of SAR (measured) = 0.355 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 115c  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.5
Date:	7/7/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	54
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013
Comments:	Final Power Setting: 13.5 dBm		

## Test 116d

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5200 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.369$  S/m;  $\epsilon_r = 46.992$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.17 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.795 W/kg

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

Maximum value of SAR (interpolated) = 0.801 W/kg

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

Maximum value of Total (measured) = 7.020 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

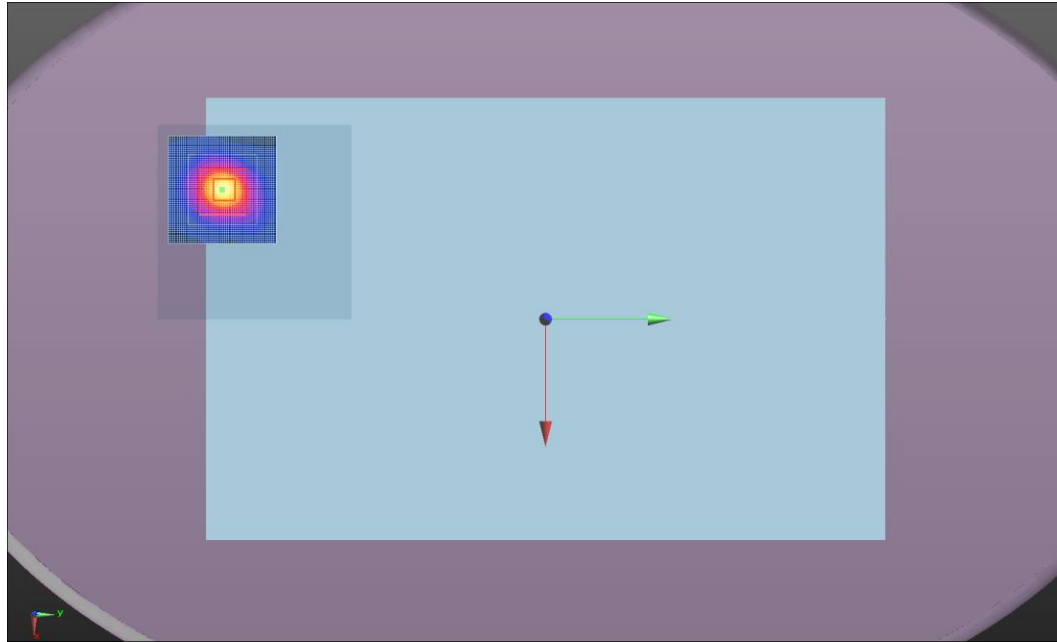
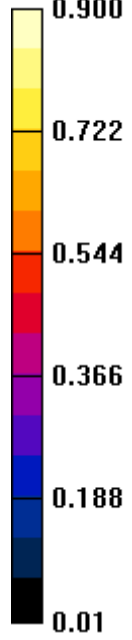
Maximum value of SAR (measured) = 0.265 W/kg



**Approved By**

# SAR TEST DATA – 5.2 GHz

Test 116d  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	24.7
Date:	6/23/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-4	Bar. Pressure (mb):	1017
Comments:	Final Power Setting: 12.5 dBm		

## Test 117

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.263$  S/m;  $\epsilon_r = 47.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.17 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.02 W/kg

**SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.216 W/kg**

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

Maximum value of SAR (measured) = 1.95 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) = 1.03 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) = 7.806 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

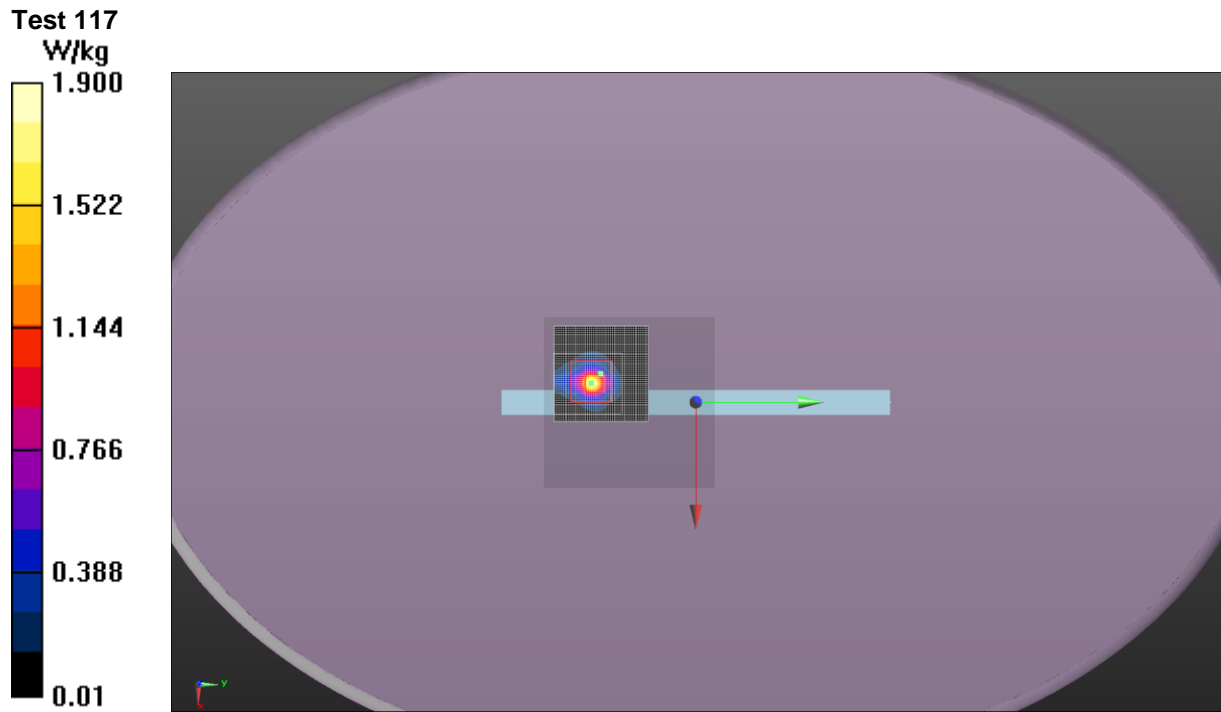
Maximum value of SAR (interpolated) = 1.94 W/kg

Maximum value of SAR (measured) = 0.321 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	24.4
Date:	6/23/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-4	Bar. Pressure (mb):	1017
Comments:	Final Power Setting: 12.5 dBm		

## Test 117a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5190 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5190$  MHz;  $\sigma = 5.178$  S/m;  $\epsilon_r = 47.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.32 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.95 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.275 W/kg**

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

Maximum value of SAR (measured) = 2.42 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) = 1.21 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) = 8.820 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 2.39 W/kg

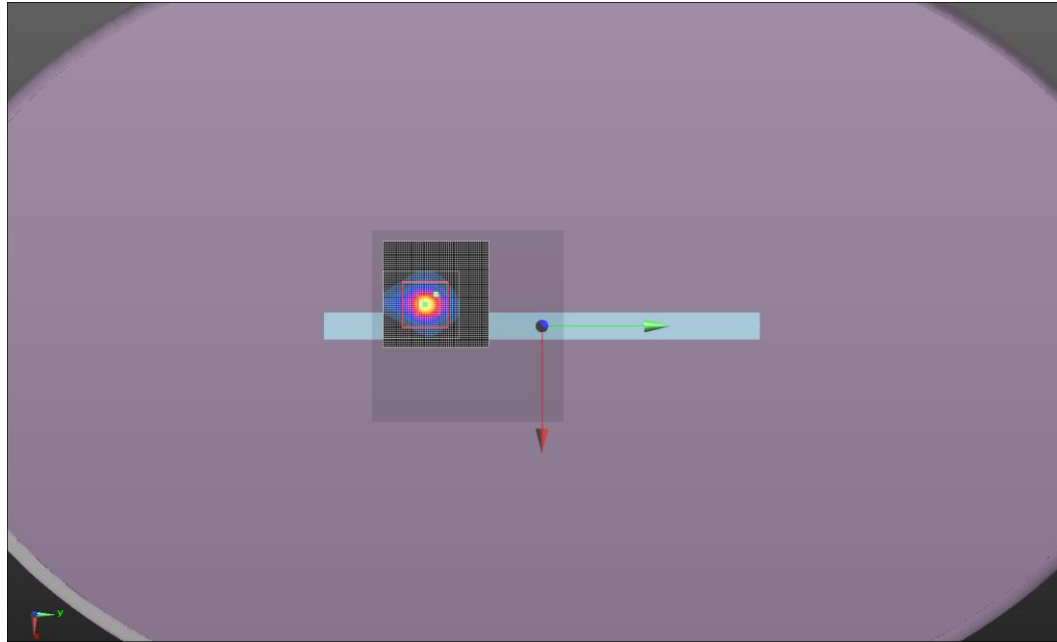
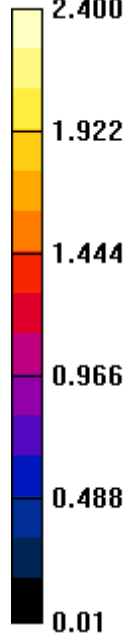
Maximum value of SAR (measured) = 0.403 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 117a  
W/kg



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	6/22/2015	Liquid Temperature (°C):	21.5
Serial Number:	IASY515S0018	Humidity (%RH):	41.8
Configuration:	INTE5597-2	Bar. Pressure (mb):	1019
Comments:	Final Power Setting: 12.5 dBm		

## Test 118a

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.263$  S/m;  $\epsilon_r = 47.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.82 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.41 W/kg

**SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.472 W/kg**

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

Maximum value of SAR (measured) = 2.95 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) = 1.04 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) = 12.51 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

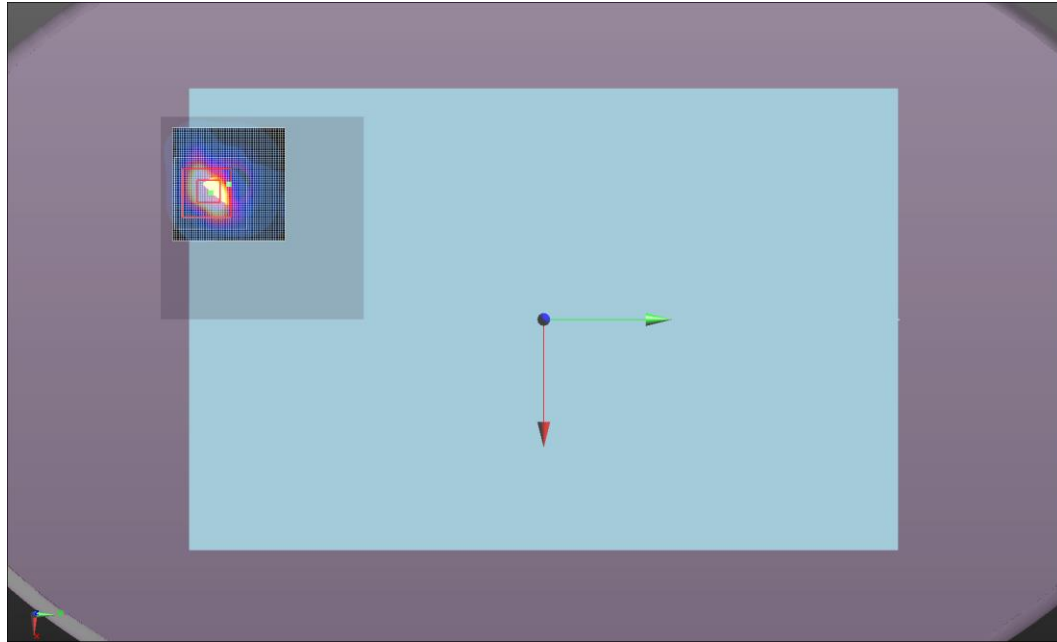
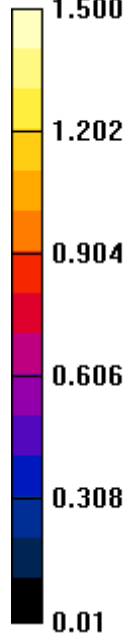
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 2.70 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 118a  
W/kg





# SAR TEST DATA – 5.2 GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	23.3°C
Date:	6/22/2015 3:45:51 PM	Liquid Temperature (°C):	21.6°C
Serial Number:	IASY515S0018	Humidity (%RH):	40.5%
Configuration:	INTE5597-2	Bar. Pressure (mb):	1019 mb
Comments:	Final Power Setting: 12.0 dBm		

## Test 118b

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5190 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5190$  MHz;  $\sigma = 5.178$  S/m;  $\epsilon_r = 47.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 19.89 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 5.30 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.415 W/kg**

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

Maximum value of SAR (measured) = 2.51 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) = 0.903 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) = 11.25 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

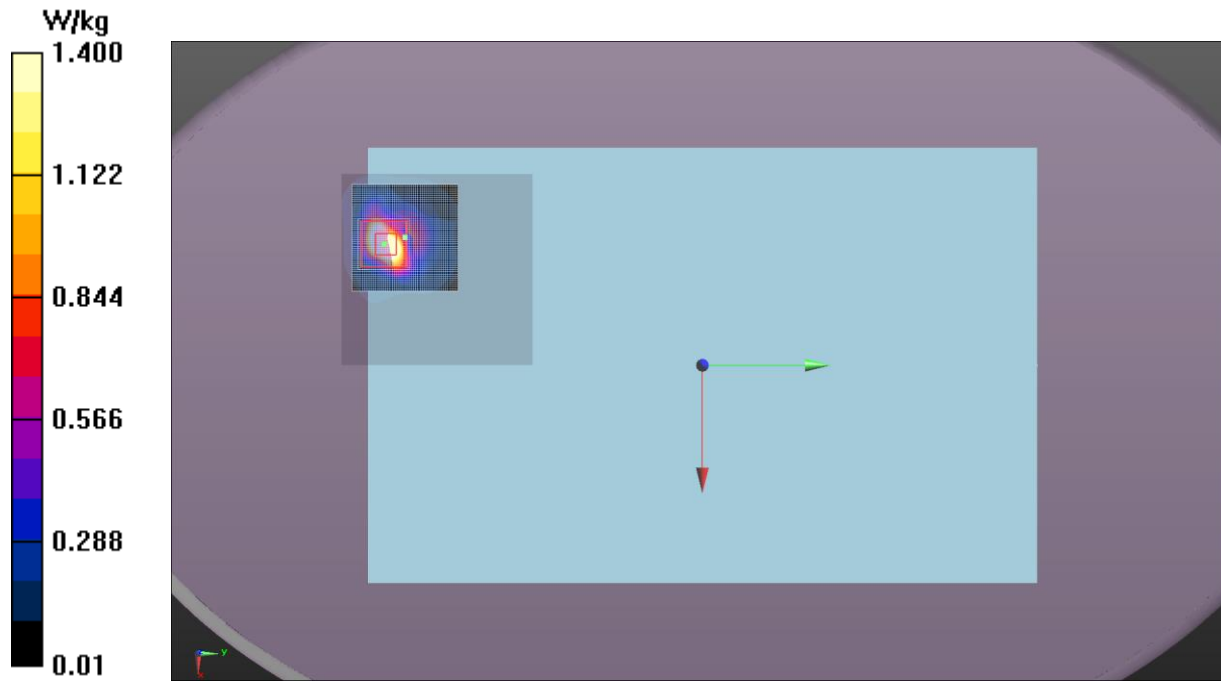
Maximum value of SAR (interpolated) = 2.36 W/kg




Approved By

# SAR TEST DATA – 5.2 GHz

Test 118b



# SAR TEST DATA – 5.2 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	24.2
Date:	7/13/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.5
Comments:	Final Power Setting: 12.5 dBm		

## Test 118e

### DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.356$  S/m;  $\epsilon_r = 47.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.34 V/m; Power Drift = 1.43 dB

Peak SAR (extrapolated) = 6.40 W/kg

**SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.471 W/kg**

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

Maximum value of SAR (measured) = 2.67 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) = 0.711 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) = 10.25 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

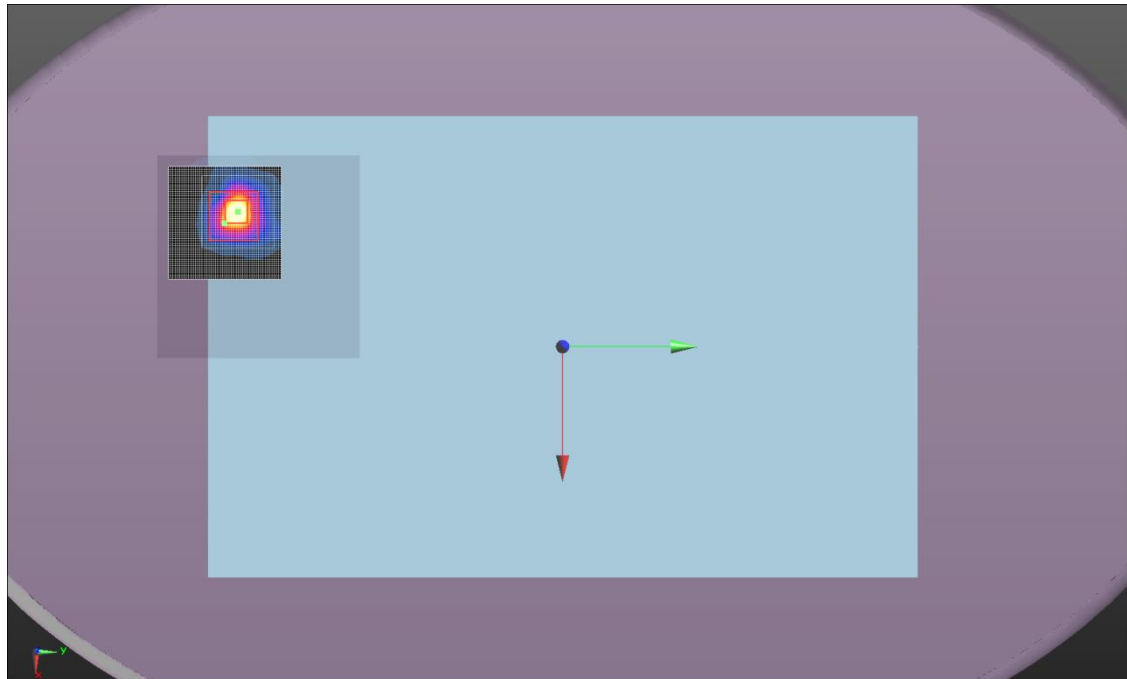
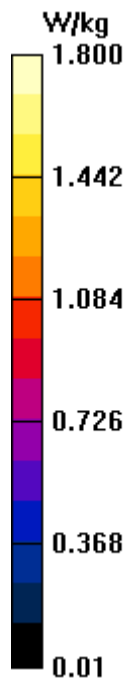
Maximum value of SAR (interpolated) = 2.30 W/kg

Maximum value of SAR (measured) = 0.563 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 118e



# SAR TEST DATA – 5.2 GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	24.3°C
Date:	7/13/2015 3:15:07 PM	Liquid Temperature (°C):	21.8°C
Serial Number:	IASY515S0018	Humidity (%RH):	41.5%
Configuration:	INTE5597-2	Bar. Pressure (mb):	1017.9 mb
Comments:	Final Power Setting: 12.5 dBm		

## Test 118f

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.356$  S/m;  $\epsilon_r = 47.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASy5 (IEEE/IEC/ANSI C63.19-2007)

DASy Configuration:

- DASy52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.97 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.16 W/kg

**SAR(1 g) = 1.53 W/kg; SAR(10 g) = 0.517 W/kg**

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

Maximum value of SAR (measured) = 3.06 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) = 2.03 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) = 10.80 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

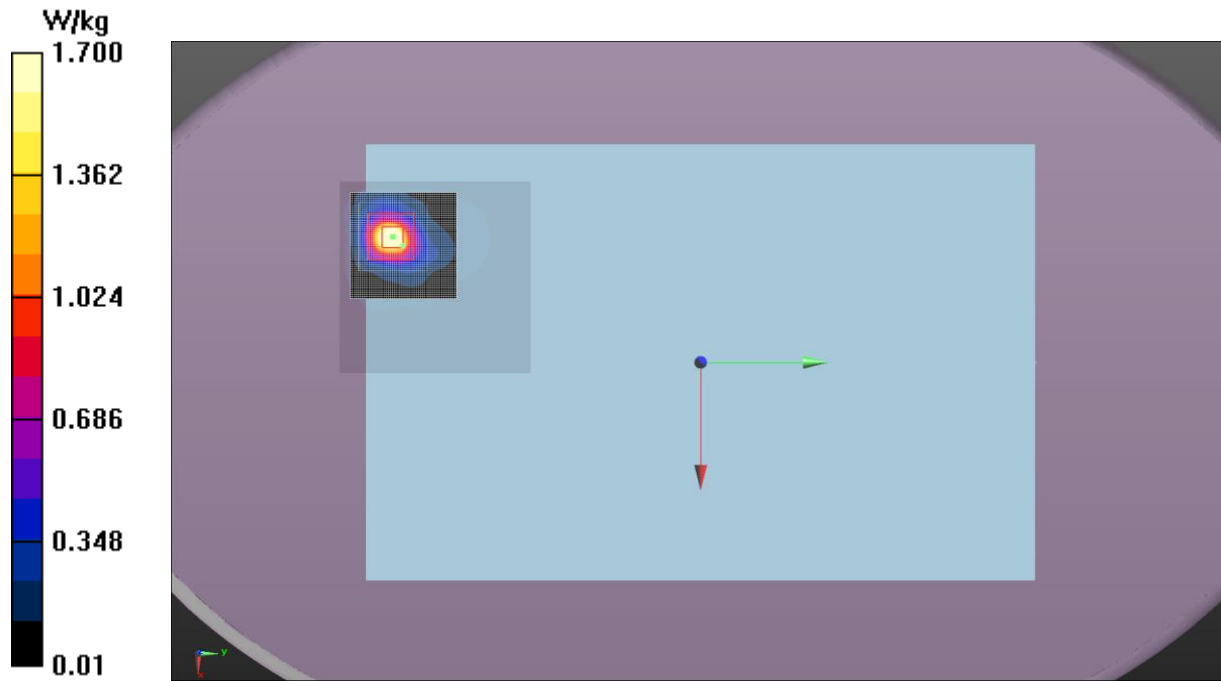
Maximum value of SAR (interpolated) = 2.25 W/kg

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

  
  
**Approved By**

# SAR TEST DATA – 5.2 GHz

Test 118f



# SAR TEST DATA – 5.2 GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	23.2°C
Date:	7/14/2015 8:59:33 AM	Liquid Temperature (°C):	22.1°C
Serial Number:	IASY515S0018	Humidity (%RH):	44.4%
Configuration:	INTE5597-2	Bar. Pressure (mb):	1017.8 mb
Comments:	Final Power Setting: 12.5 dBm		

## Test 118n

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.356$  S/m;  $\epsilon_r = 47.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.36 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.92 W/kg

**SAR(1 g) = 1.48 W/kg; SAR(10 g) = 0.498 W/kg**

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

Maximum value of SAR (measured) = 2.98 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) = 1.81 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) = 10.32 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

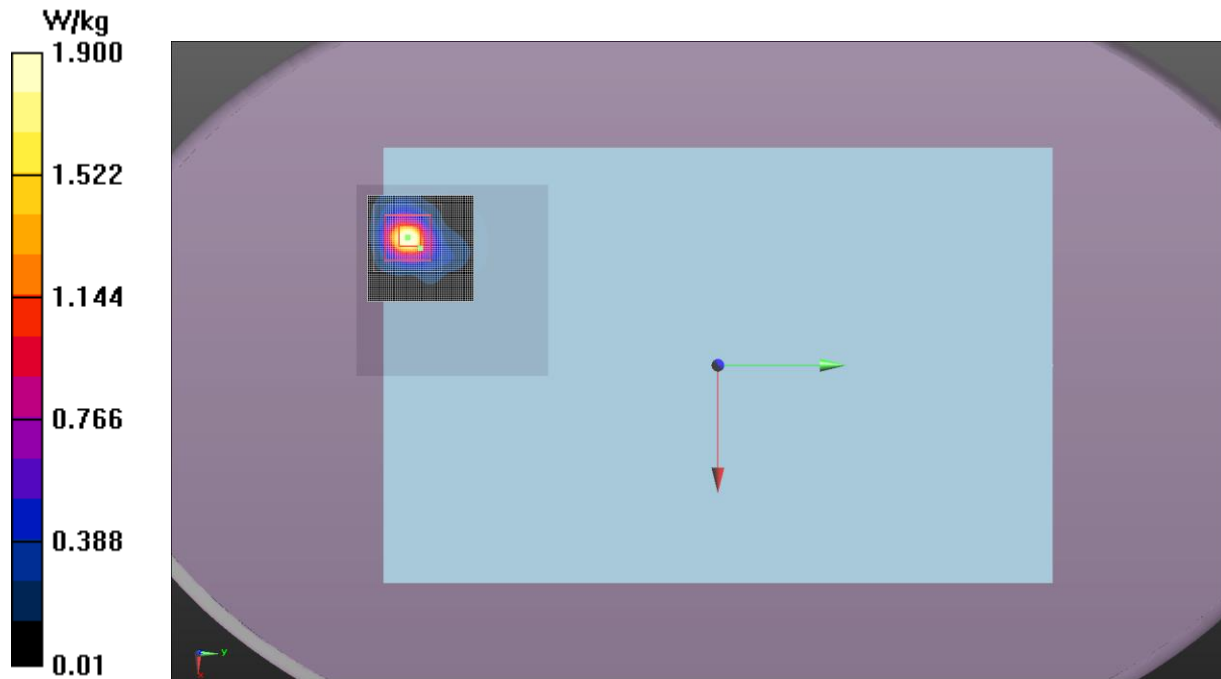
Maximum value of SAR (measured) = 0.571 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 118n





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3°C
Date:	7/7/2015 9:38:50 PM	Liquid Temperature (°C):	21°C
Serial Number:	IASY515S0018	Humidity (%RH):	47%
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013 mb
Comments:	Final Power Setting: 12.5 dBm		

## Test 119b

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 46.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.15 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.76 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.177 W/kg**

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

Maximum value of SAR (measured) = 1.22 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) = 0.597 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) = 5.726 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 1.23 W/kg

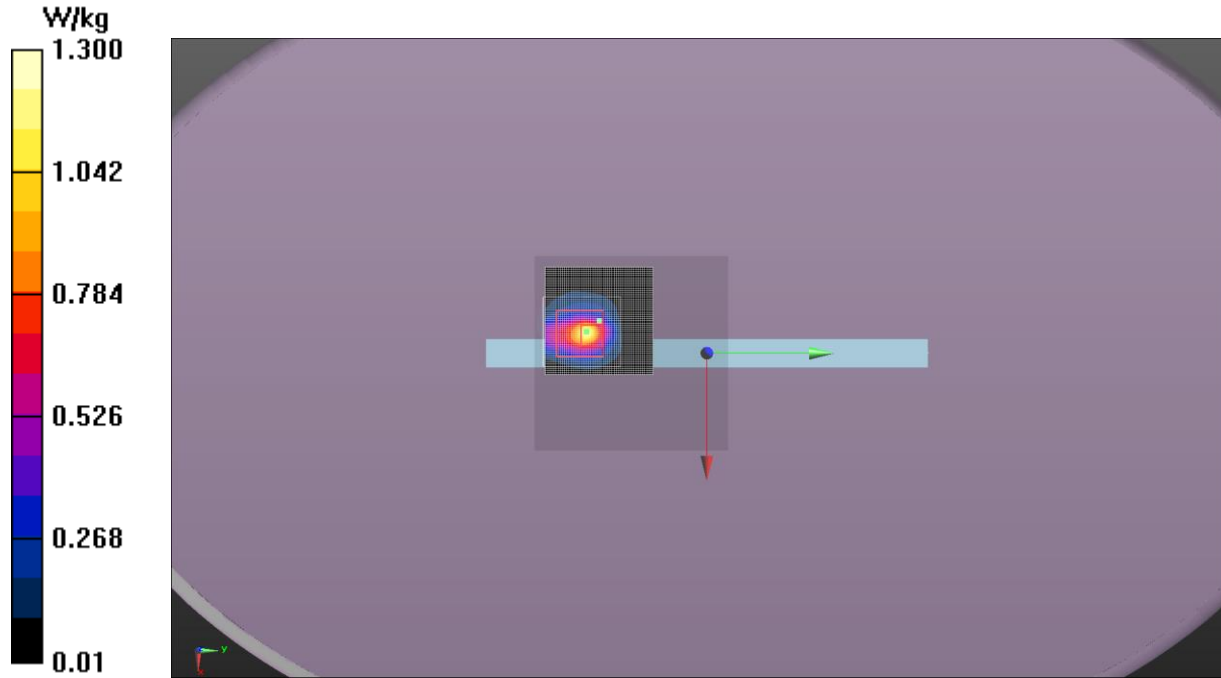
Maximum value of SAR (measured) = 0.177 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 119b



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23°C
Date:	7/7/2015 7:22:28 PM	Liquid Temperature (°C):	20.9°C
Serial Number:	IASY515S0018	Humidity (%RH):	46%
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013 mb
Comments:	Final Power Setting: 14.0 dBm		

## Test 120b

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5230$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 46.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.14 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.231 W/kg**

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

Maximum value of SAR (measured) = 0.742 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) = 0.771 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) = 7.026 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.853 W/kg

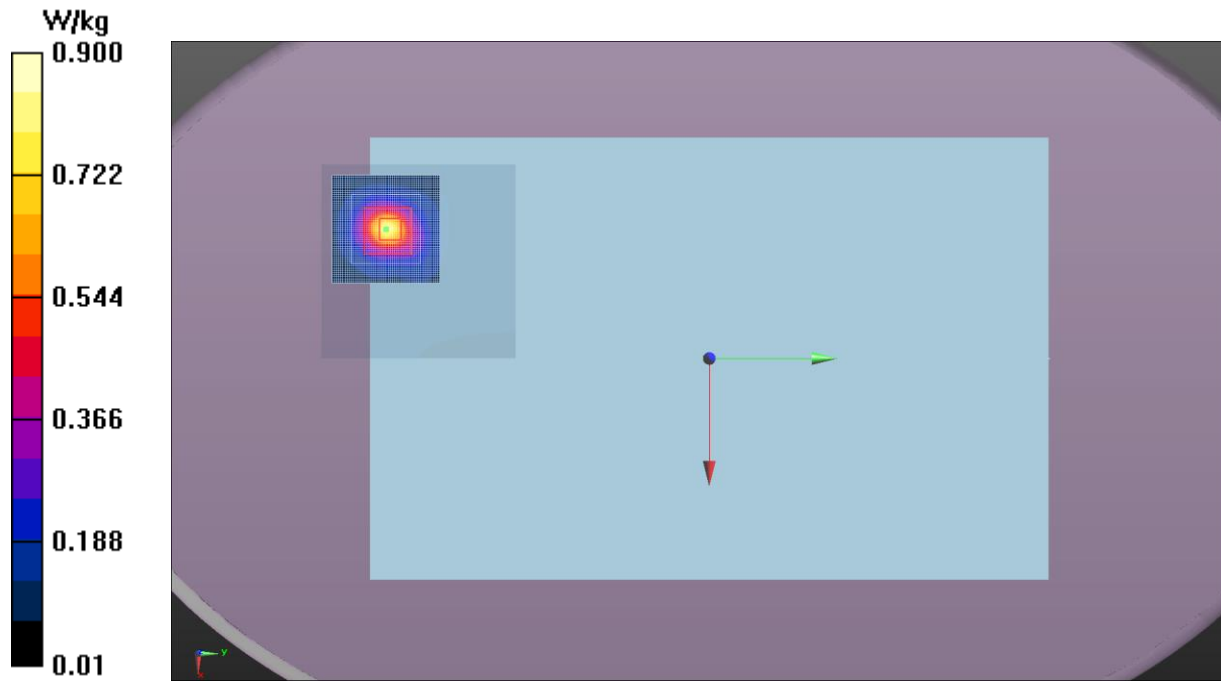
Maximum value of SAR (measured) = 0.267 W/kg



Approved By

# SAR TEST DATA – 5.2 GHz

Test 120b



# SAR TEST DATA – 5.2 GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	23.9°C
Date:	6/24/2015 11:52:23 AM	Liquid Temperature (°C):	21.6°C
Serial Number:	IASY515S0018	Humidity (%RH):	44.4%
Configuration:	INTE5597-4	Bar. Pressure (mb):	1018 mb
Comments:	Final Power Setting: 14.0 dBm		

## Test 121

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.285$  S/m;  $\epsilon_r = 47.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.13 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 5.25 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.287 W/kg**

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

Maximum value of SAR (measured) = 2.37 W/kg

**Body/Body/Reference scan (21x81x1):** Interpolated grid: dx=3.000 mm, dy=3.000 mm

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

Maximum value of SAR (interpolated) = 0.544 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) = 8.389 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

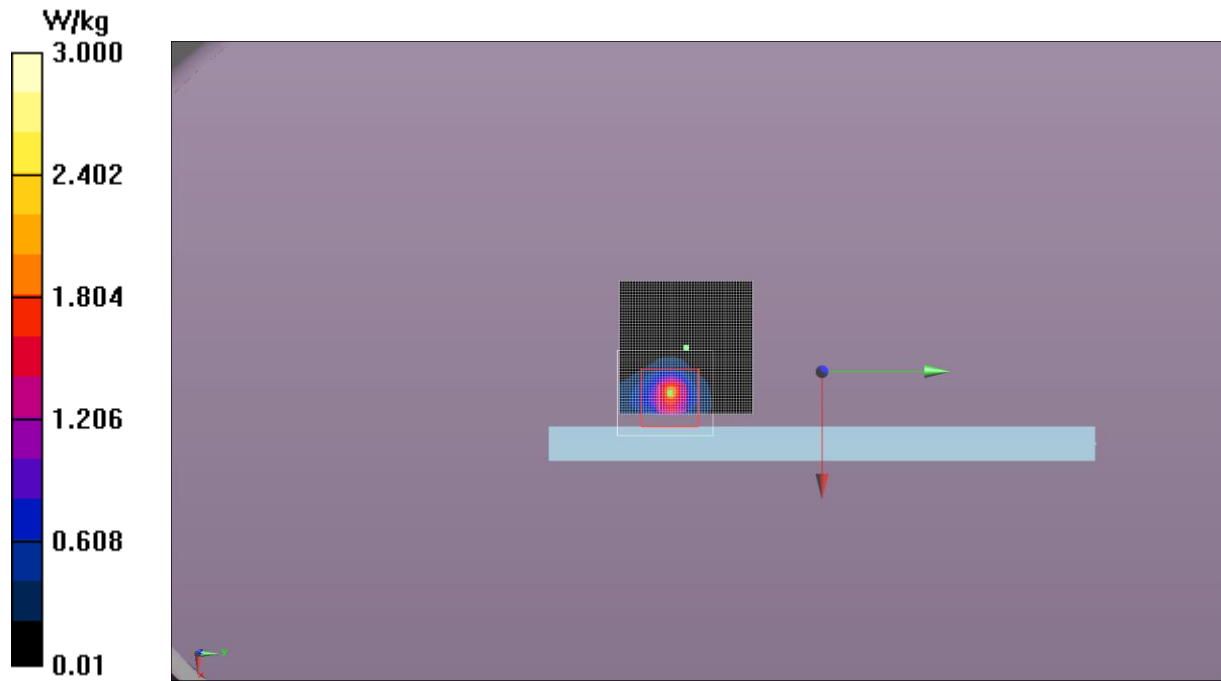
Maximum value of SAR (interpolated) = 1.98 W/kg

Maximum value of SAR (measured) = 0.372 W/kg

   
Approved By

# SAR TEST DATA – 5.2 GHz

Test 121



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.3°C
Date:	6/22/2015 5:00:14 PM	Liquid Temperature (°C):	21.8°C
Serial Number:	IASY515S0018	Humidity (%RH):	41%
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018 mb
Comments:	Final Power Setting: 12.0 dBm		

## Test 122a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.237$  S/m;  $\epsilon_r = 47.474$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Reference Value = 19.76 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.04 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.414 W/kg**

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

Maximum value of SAR (measured) = 2.45 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) = 0.854 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) = 11.20 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 2.29 W/kg

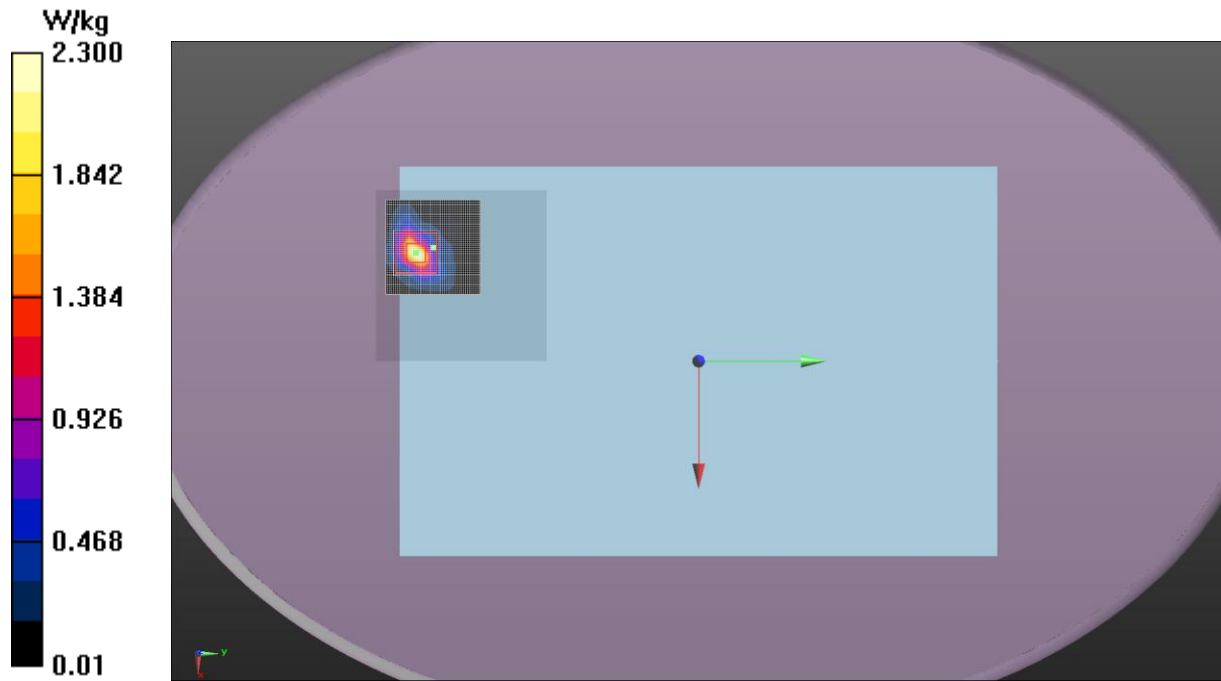
Maximum value of SAR (measured) = 0.657 W/kg



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# SAR TEST DATA – 5.2 GHz

Test 122a





# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3°C
Date:	7/7/2015 8:55:55 PM	Liquid Temperature (°C):	21°C
Serial Number:	IASY515S0018	Humidity (%RH):	53%
Configuration:	INTE5597-5	Bar. Pressure (mb):	1013 mb
Comments:	Final Power Setting: 14.0 dBm		

## Test 123a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 46.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.38 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.98 W/kg

**SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.253 W/kg**

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

Maximum value of SAR (measured) = 1.86 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) = 0.928 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) = 6.395 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

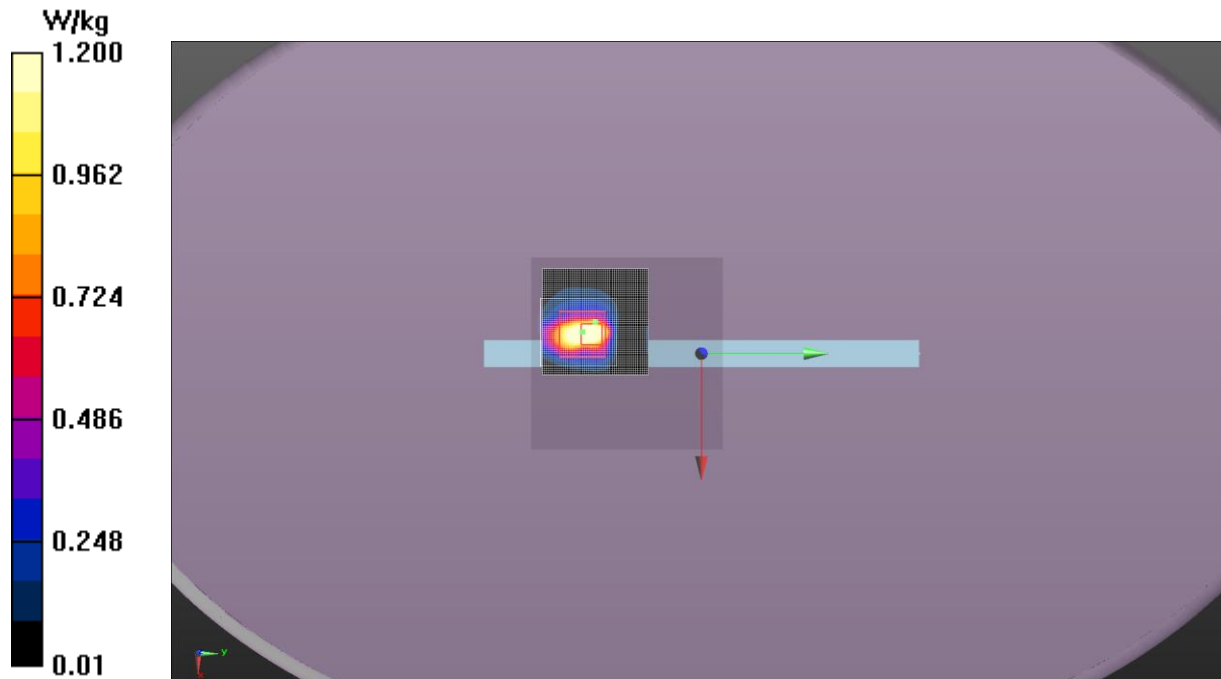
Maximum value of SAR (measured) = 0.220 W/kg



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# SAR TEST DATA – 5.2 GHz

Test 123a



# SAR TEST DATA – 5.2 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	21.8°C
Date:	7/7/2015 8:06:30 PM	Liquid Temperature (°C):	20.9°C
Serial Number:	IASY515S0018	Humidity (%RH):	50%
Configuration:	INTE5597-1	Bar. Pressure (mb):	1013 mb
Comments:	Final Power Setting: 14.0 dBm		

## Test 124a

**DUT: SKL21-SDS; Type: Tablet/ Computer; Serial: IASY515S0018**

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);

Frequency: 5210 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5210$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 46.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- DASYS52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Body/Body/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.240 W/kg**

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

Maximum value of SAR (measured) = 0.749 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) = 0.753 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) = 7.188 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.838 W/kg

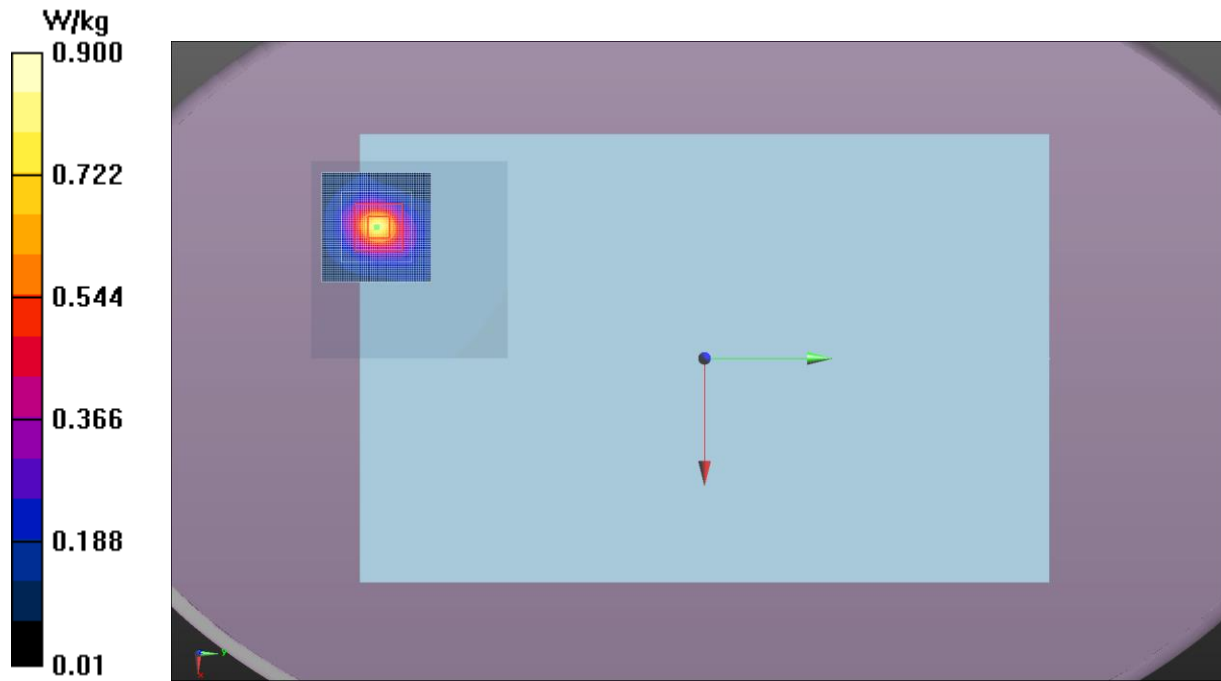
Maximum value of SAR (measured) = 0.278 W/kg



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# SAR TEST DATA – 5.2 GHz

Test 124a



# SAR TEST DATA – 5.2 GHz

Test 118n

