

# SAR TEST DATA – 5.3GHz

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

Test Configuration	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
Body	5.3	5300	60	6 Mbit	20	A	Tablet	Left	1.63	0.60	0.17	11	0.46	0.27	0.08	125
Body	5.3	5300	60	6 Mbit	20	A	Tablet	Back	0.18	0.98	0.32	11	0.46	0.45	0.15	126
Body	5.3	5260	52	6 Mbit	20	A	Tablet	Back	0.02	0.89	0.30	11	0.54	0.48	0.16	126a
Body	5.3	5320	64	6 Mbit	20	A	Tablet	Back	0.22	0.93	0.31	11	0.54	0.50	0.17	126b
Body	5.3	5300	60	6 Mbit	20	A	Thick Tablet	Left	-0.12	0.42	0.10	11	0.46	0.19	0.05	127
Body	5.3	5300	60	6 Mbit	20	A	Thick Tablet	Back	0.00	0.15	0.12	11	0.46	0.07	0.05	128
Body	5.3	5310	60/64	MCS0	40	A	Tablet	Left	5.46	0.69	0.18	11	0.50	0.35	0.09	129
Body	5.3	5310	60/64	MCS0	40	A	Tablet	Back	-0.01	0.81	0.27	11	0.50	0.41	0.14	130
Body	5.3	5270	52/56	MCS0	40	A	Tablet	Back	0.13	0.90	0.30	11	0.63	0.57	0.19	130a
Body	5.3	5310	60/64	MCS0	40	A	Thick Tablet	Left	0.28	0.539	0.148	11	0.50	0.27	0.07	131
Body	5.3	5310	60/64	MCS0	40	A	Thick Tablet	Back	-0.12	0.18	0.14	11	0.50	0.09	0.07	132
Body	5.3	5290	58	MCS0	80	A	Tablet	Left	0.60	0.68	0.19	11	0.59	0.40	0.11	133
Body	5.3	5290	58	MCS0	80	A	Tablet	Back	0.14	0.86	0.30	11	0.59	0.51	0.18	134
Body	5.3	5290	58	MCS0	80	A	Thick Tablet	Left	-0.04	0.48	0.14	11	0.59	0.28	0.08	135
Body	5.3	5290	58	MCS0	80	A	Thick Tablet	Back	-0.02	0.16	0.11	11	0.59	0.09	0.06	136
Body	5.3	5260	52	6 Mbit	20	B	Tablet	Right	-0.14	0.70	0.17	10	0.28	0.20	0.05	137
Body	5.3	5260	52	6 Mbit	20	B	Tablet	Back	0.05	1.44	0.48	10	0.28	0.41	0.14	138b
Body	5.3	5300	60	6 Mbit	20	B	Tablet	Back	-0.08	1.34	0.46	10	0.31	0.41	0.14	138c
Body	5.3	5320	64	6 Mbit	20	B	Tablet	Back	0.14	1.33	0.45	10	0.34	0.45	0.15	138d
Body	5.3	5260	52	6 Mbit	20	B	Tablet	Back	-0.01	1.26	0.43	10	0.28	0.36	0.12	138e
Body	5.3	5260	52	6 Mbit	20	B	Thick Tablet	Right	0.32	0.46	0.13	10	0.28	0.13	0.04	139
Body	5.3	5260	52	6 Mbit	20	B	Thick Tablet	Back	0.12	0.33	0.18	10	0.28	0.09	0.05	140
Body	5.3	5270	52/56	MCS0	40	B	Tablet	Right	-0.09	0.64	0.17	10	0.27	0.17	0.05	141
Body	5.3	5270	52/56	MCS0	40	B	Tablet	Back	0.14	1.39	0.48	10	0.27	0.37	0.13	142b
Body	5.3	5310	60/64	MCS0	40	B	Tablet	Back	0.04	1.25	0.43	10	0.30	0.38	0.13	142d
Body	5.3	5270	52/56	MCS0	40	B	Thick Tablet	Right	4.38	0.46	0.13	10	0.27	0.12	0.03	143
Body	5.3	5270	52/56	MCS0	40	B	Thick Tablet	Back	0.21	0.31	0.18	10	0.27	0.08	0.05	144
Body	5.3	5290	58	MCS0	80	B	Tablet	Right	5.95	0.61	0.15	10	0.40	0.24	0.06	145
Body	5.3	5290	58	MCS0	80	B	Tablet	Back	0.03	1.21	0.40	10	0.40	0.48	0.16	146a
Body	5.3	5290	58	MCS0	80	B	Thick Tablet	Right	4.22	0.40	0.11	10	0.40	0.16	0.04	147
Body	5.3	5290	58	MCS0	80	B	Thick Tablet	Back	-0.04	0.33	0.19	10	0.40	0.13	0.08	148

# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	22.7
Date:	7/8/2015	Liquid Temperature (°C):	20.5
Serial Number:	IASY515S0018	Humidity (%RH):	48.4
Configuration:	INTE5597-2	Bar. Pressure (mb):	1012.4
Comments:	Final Power Setting: 11.0		

## Test 125

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

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

Frequency: 5300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.567$  S/m;  $\epsilon_r = 46.829$ ;  $\rho = 1000$  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 = 2.018 V/m; Power Drift = 1.63 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg

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

Maximum value of SAR (interpolated) = 0.104 W/kg



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

Maximum value of Total (measured) = 3.032 V/m

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

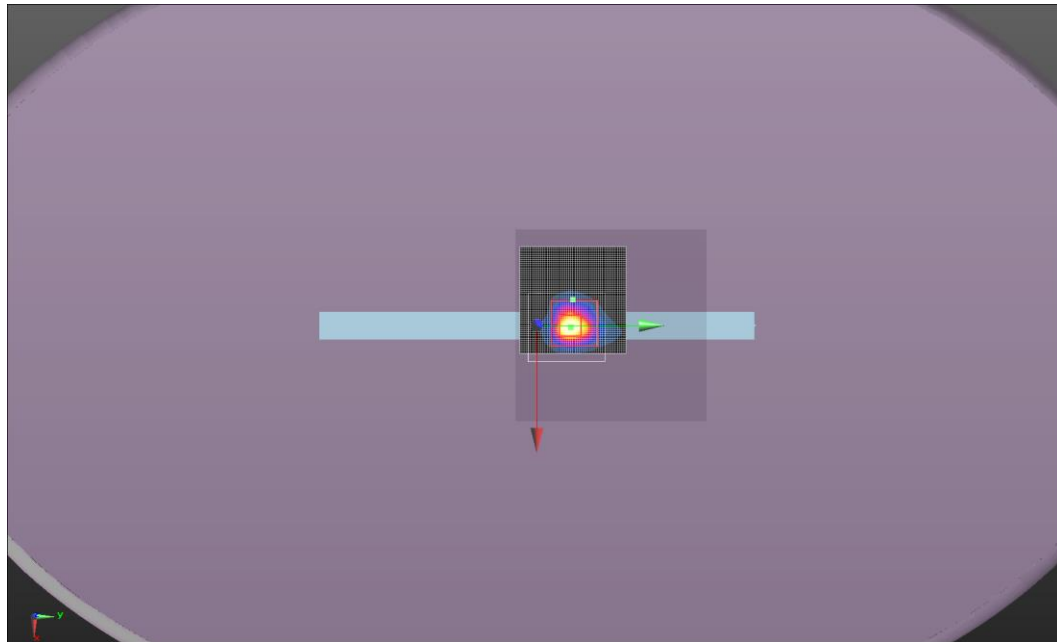
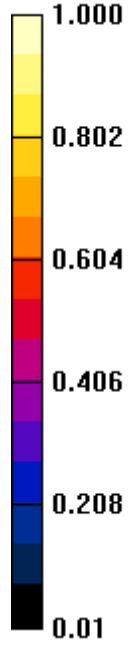
Maximum value of SAR (interpolated) = 1.16 W/kg

Maximum value of SAR (measured) = 0.0512 W/kg

   
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# SAR TEST DATA – 5.3GHz

Test 125  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.6
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	46.4
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016.1
Comments:	Final Power Setting: 11.0		

## Test 126

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

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

Frequency: 5300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.523$  S/m;  $\epsilon_r = 46.889$ ;  $\rho = 1000$  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 = 16.79 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 4.36 W/kg

**SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.322 W/kg**

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

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

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

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

Maximum value of Total (measured) = 9.322 V/m

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

Maximum value of SAR (interpolated) = 1.69 W/kg

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

Maximum value of SAR (interpolated) = 1.79 W/kg

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

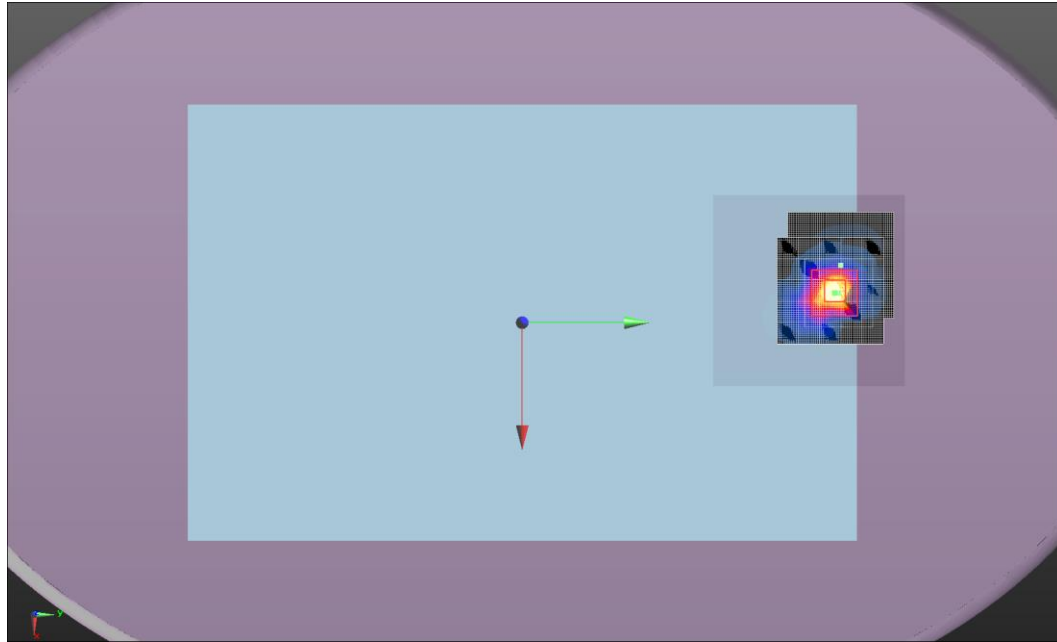
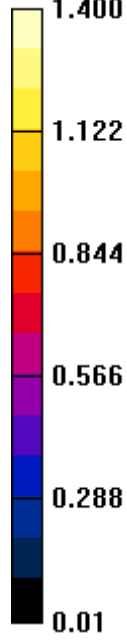
Maximum value of SAR (measured) = 1.17 W/kg




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# SAR TEST DATA – 5.3GHz

Test 126  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.4
Date:	6/29/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 126a

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.454$  S/m;  $\epsilon_r = 46.895$ ;  $\rho = 1000$  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 = 16.12 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.74 W/kg

**SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.303 W/kg**

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

Maximum value of SAR (measured) = 1.74 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) = 0.201 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) = 9.005 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.](#)

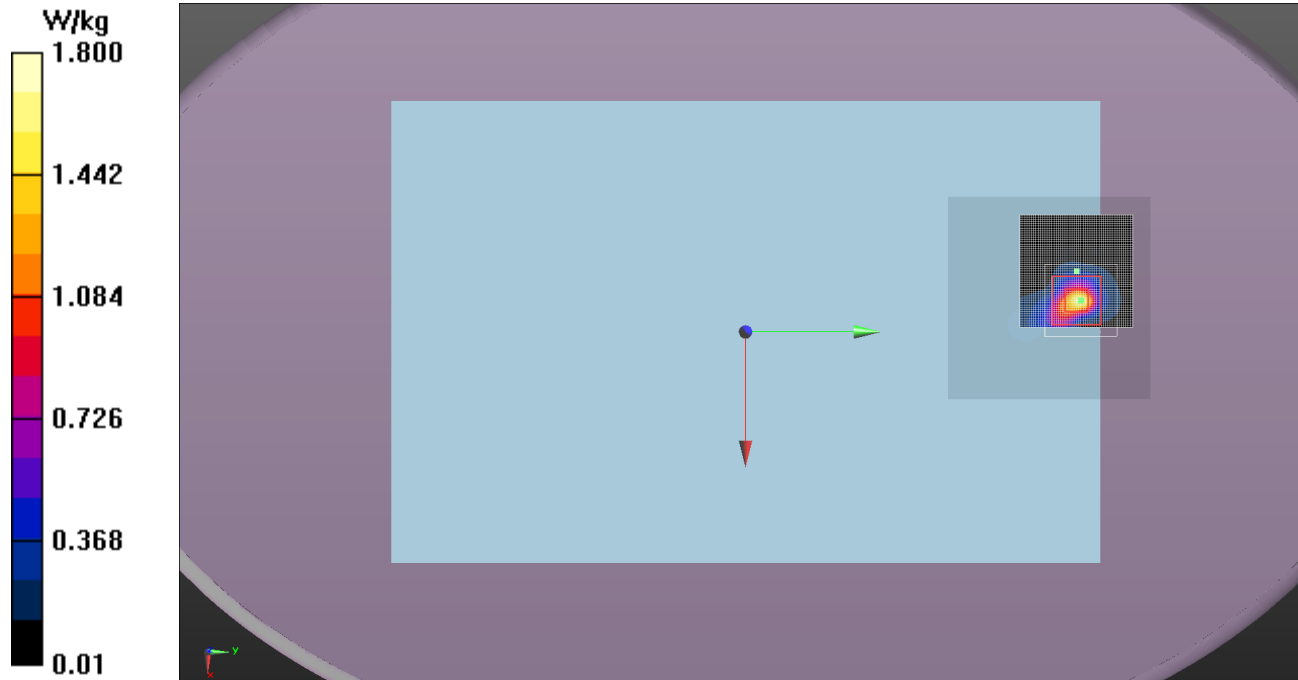
Maximum value of SAR (interpolated) = 1.77 W/kg



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# SAR TEST DATA – 5.3GHz

Test 126a



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	58
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 126b

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

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

Frequency: 5320 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5320$  MHz;  $\sigma = 5.576$  S/m;  $\epsilon_r = 46.966$ ;  $\rho = 1000$  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 = 16.40 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 4.08 W/kg

**SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.313 W/kg**

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

Maximum value of SAR (measured) = 1.83 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) = 0.215 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) = 9.226 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) = 1.61 W/kg

Maximum value of SAR (measured) = 0.475 W/kg

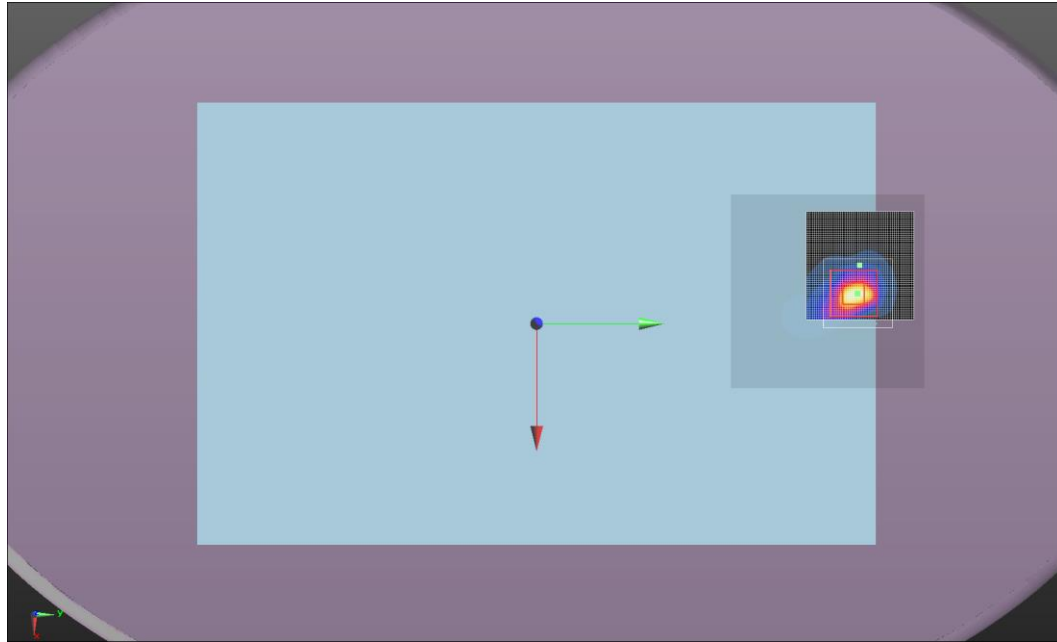
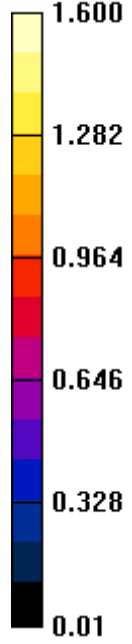


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# SAR TEST DATA – 5.3GHz

Test 126b  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/7/2015	Liquid Temperature (°C):	21.1
Serial Number:	IASY515S0018	Humidity (%RH):	45.1
Configuration:	INTE5597-3	Bar. Pressure (mb):	1016.3
Comments:	Final Power Setting: 11.0		

**127**

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

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

Frequency: 5300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.567 \text{ S/m}$ ;  $\epsilon_r = 46.829$ ;  $\rho = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 11.46 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.906 W/kg

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

Maximum value of SAR (interpolated) = 0.0807 W/kg


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

Maximum value of Total (measured) = 4.715 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

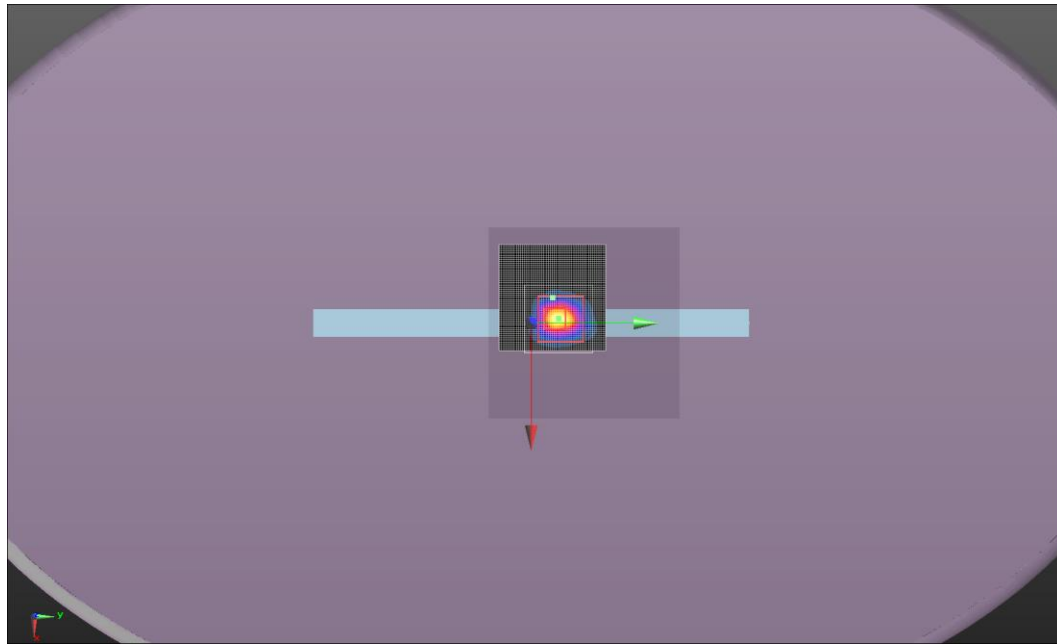
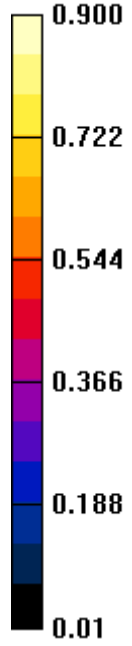
Maximum value of SAR (interpolated) = 0.878 W/kg

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

   
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# SAR TEST DATA – 5.3GHz

Test 127  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	21.3
Date:	7/8/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	54.8
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 128

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

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

Frequency: 5300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.567$  S/m;  $\epsilon_r = 46.829$ ;  $\rho = 1000$  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 = 6.180 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.523 W/kg

**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.118 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.135 W/kg



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

Maximum value of Total (measured) = 5.439 V/m

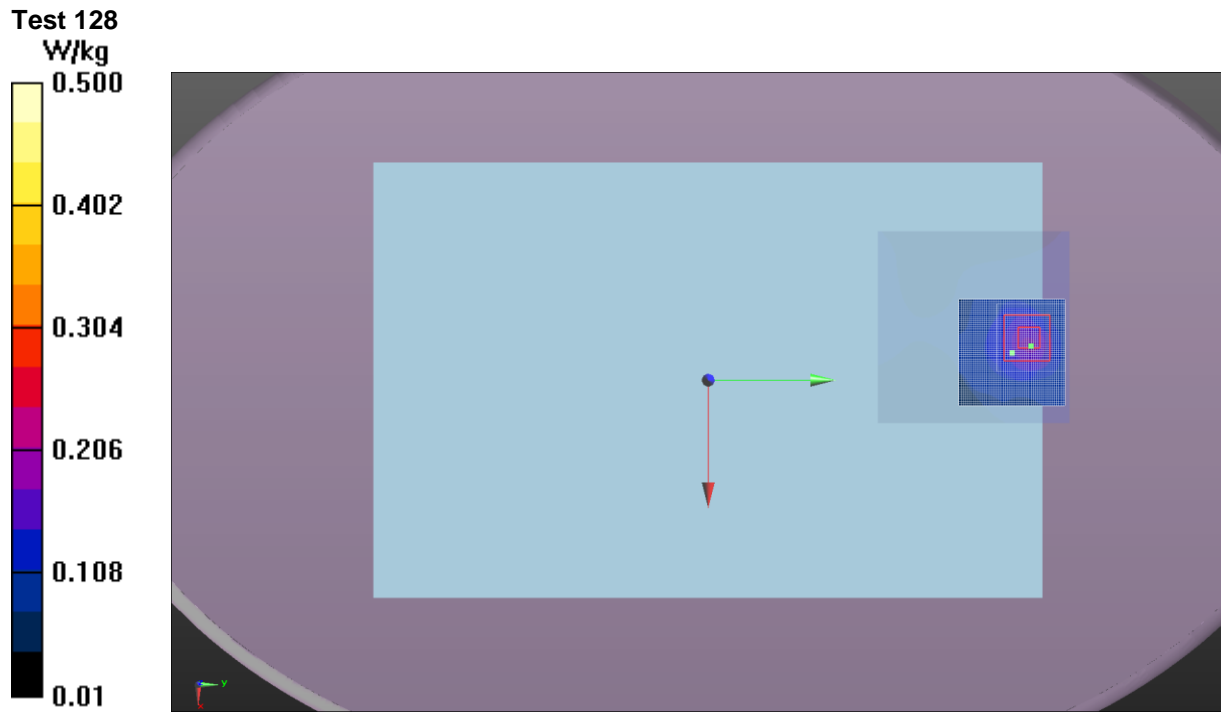
**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.217 W/kg

Maximum value of SAR (measured) = 0.165 W/kg

   
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# SAR TEST DATA – 5.3GHz



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	46.2
Configuration:	INTE5597-2	Bar. Pressure (mb):	1012.4
Comments:	Final Power Setting: 11.0		

## Test 129

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

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

Frequency: 5310 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5310$  MHz;  $\sigma = 5.572$  S/m;  $\epsilon_r = 46.802$ ;  $\rho = 1000$  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:

- 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 = 1.368 V/m; Power Drift = 5.46 dB

Peak SAR (extrapolated) = 3.40 W/kg

**SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.181 W/kg**

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

Maximum value of SAR (measured) = 1.46 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) = 0.0944 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) = 2.770 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.](#)

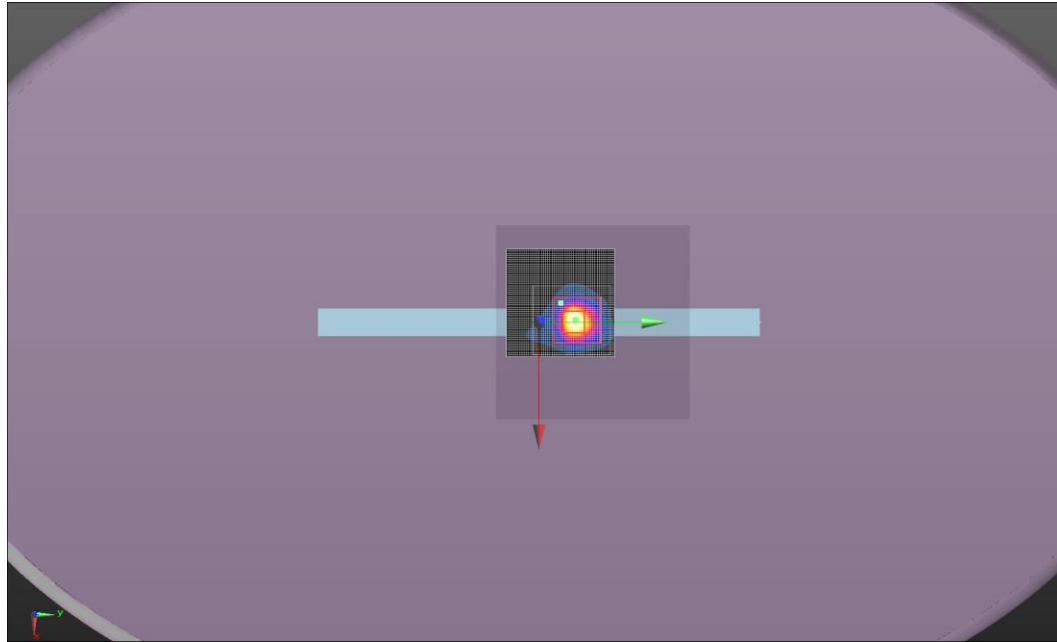
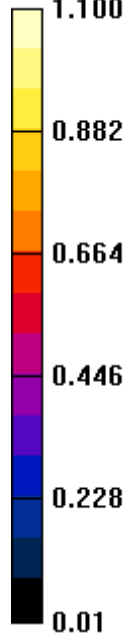
Maximum value of SAR (interpolated) = 1.21 W/kg

Maximum value of SAR (measured) = 0.0428 W/kg

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# SAR TEST DATA – 5.3GHz

Test 129  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.6
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	44.7
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016.2
Comments:	Final Power Setting: 11.0		

## Test 130

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

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

Frequency: 5310 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5310$  MHz;  $\sigma = 5.549$  S/m;  $\epsilon_r = 46.927$ ;  $\rho = 1000$  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 = 15.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.27 W/kg

**SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.266 W/kg**

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

Maximum value of SAR (measured) = 1.25 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) = 0.172 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) = 7.866 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) = 1.24 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.](#)

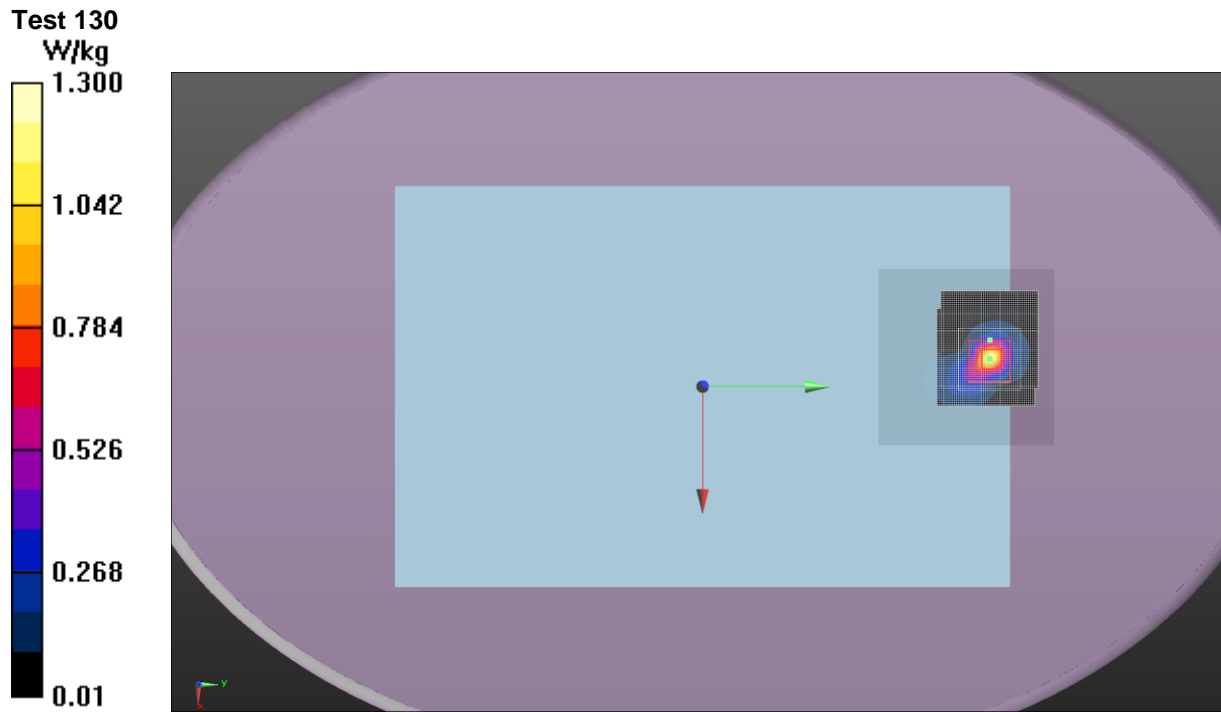
Maximum value of SAR (interpolated) = 1.54 W/kg

Maximum value of SAR (measured) = 0.343 W/kg

   
Approved By



# SAR TEST DATA – 5.3GHz



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	6/29/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	51
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 130a

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

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

Frequency: 5270 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.482$  S/m;  $\epsilon_r = 46.876$ ;  $\rho = 1000$  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 = 16.54 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.37 W/kg

**SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.300 W/kg**

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

Maximum value of SAR (measured) = 1.35 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) = 0.172 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) = 8.058 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.](#)

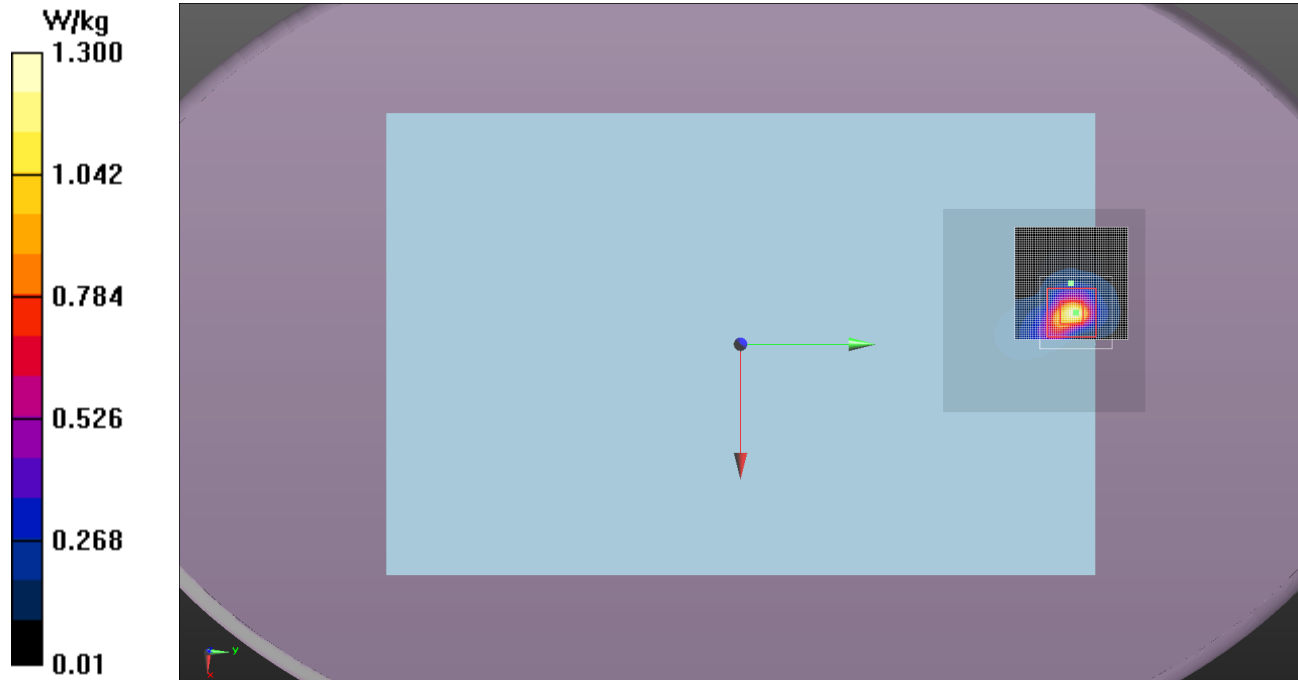
Maximum value of SAR (interpolated) = 1.32 W/kg



**Approved By**

# SAR TEST DATA – 5.3GHz

Test 130a



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover and Luke Richardson	Room Temperature (°C):	23.3°C
Date:	7/7/2015 12:04:02 PM	Liquid Temperature (°C):	21.2°C
Serial Number:	IASY515S0018	Humidity (%RH):	44.5%
Configuration:	INTE5597-3	Bar. Pressure (mb):	1016.3 mb
Comments:	Final Power Setting: 11.0		

**131**

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

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

Frequency: 5310 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5310$  MHz;  $\sigma = 5.572$  S/m;  $\epsilon_r = 46.802$ ;  $\rho = 1000$  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 = 12.98 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 3.50 W/kg

**SAR(1 g) = 0.539 W/kg; SAR(10 g) = 0.148 W/kg**

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

Maximum value of SAR (measured) = 0.866 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) = 0.0916 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) = 5.845 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.](#)

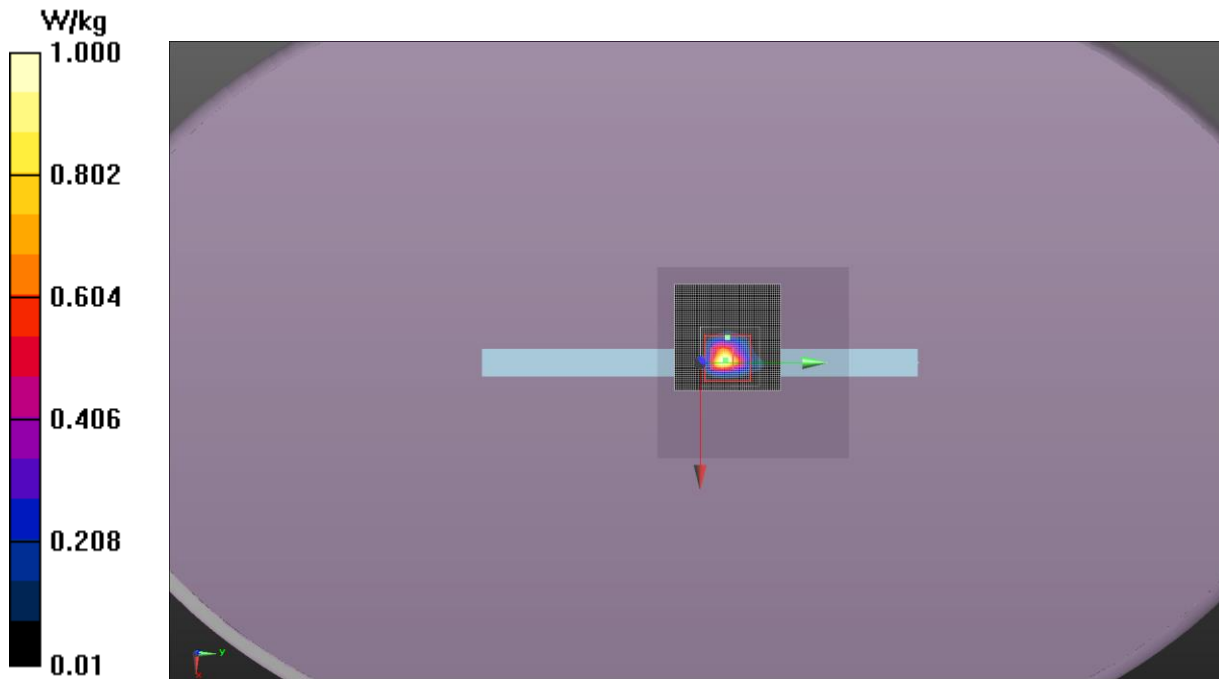
Maximum value of SAR (interpolated) = 1.10 W/kg

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

   
Approved By

# SAR TEST DATA – 5.3GHz

131



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	21.3
Date:	7/8/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	54.8
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 132

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

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

Frequency: 5310 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5310$  MHz;  $\sigma = 5.572$  S/m;  $\epsilon_r = 46.802$ ;  $\rho = 1000$  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 = 6.440 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.463 W/kg

**SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.138 W/kg**

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

Maximum value of SAR (measured) = 0.245 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) = 0.136 W/kg

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

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

Maximum value of Total (measured) = 4.980 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.](#)

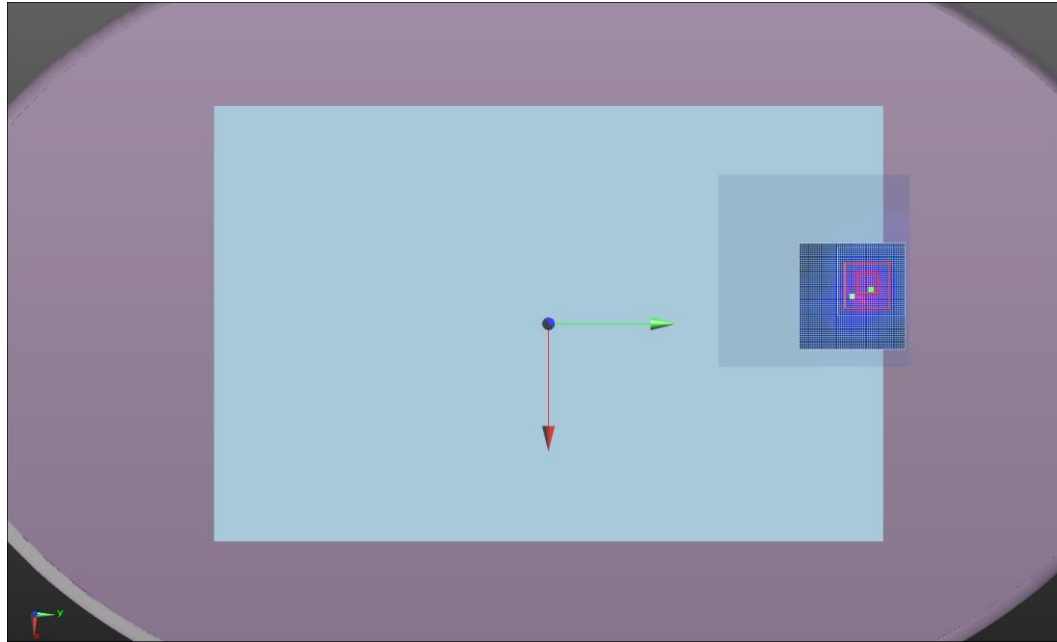
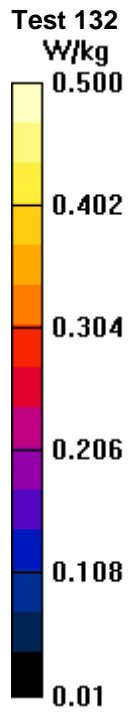
Maximum value of SAR (interpolated) = 0.213 W/kg

Maximum value of SAR (measured) = 0.138 W/kg



Approved By

# SAR TEST DATA – 5.3GHz



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	24.1
Date:	7/8/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-2	Bar. Pressure (mb):	1012.4
Comments:	Final Power Setting: 11.0		

## Test 133

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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 = 3.026 V/m; Power Drift = 0.60 dB

Peak SAR (extrapolated) = 3.26 W/kg

**SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.186 W/kg**

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

Maximum value of SAR (measured) = 1.48 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) = 0.103 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) = 2.818 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) = 0.0439 W/kg

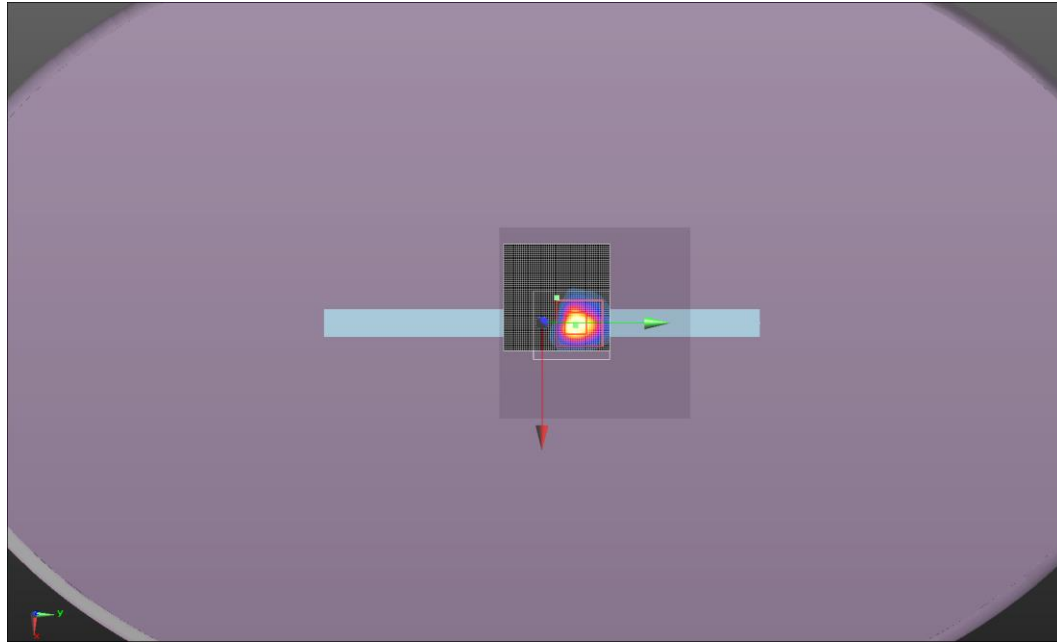
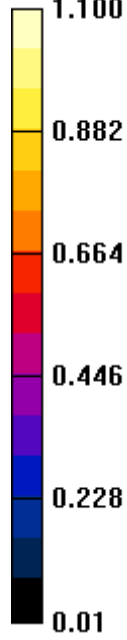



Approved By



# SAR TEST DATA – 5.3GHz

Test 133  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.9
Date:	6/29/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	55
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 134

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.512$  S/m;  $\epsilon_r = 46.88$ ;  $\rho = 1000$  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 = 15.61 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.71 W/kg

**SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.297 W/kg**

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

Maximum value of SAR (measured) = 1.67 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) = 0.187 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) = 8.848 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) = 1.65 W/kg

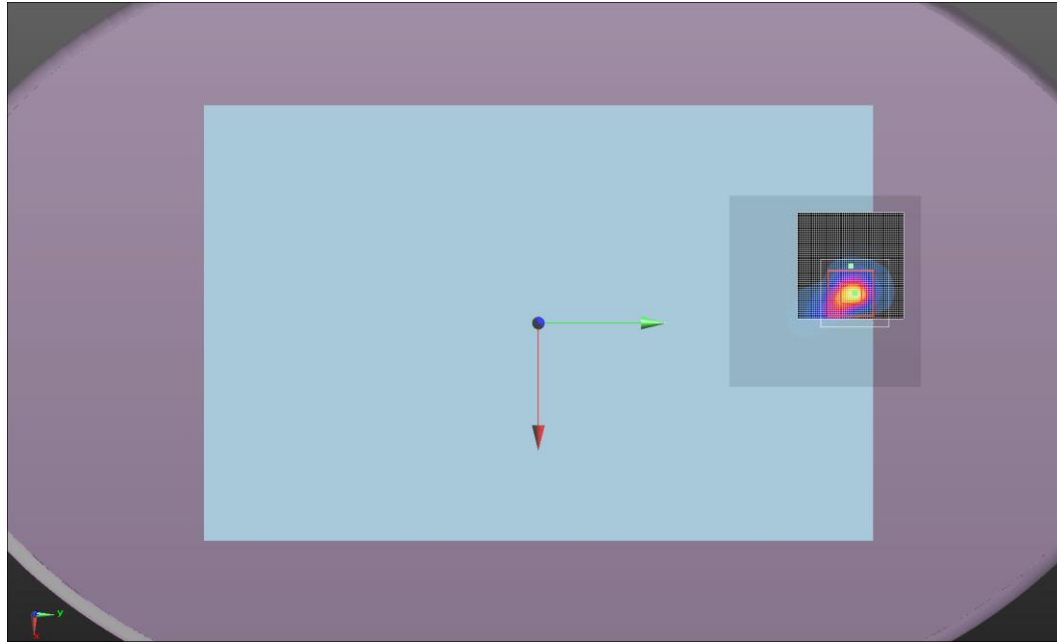
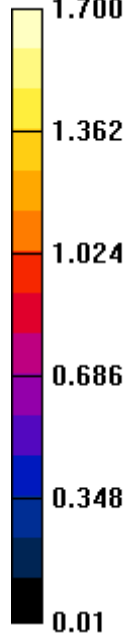
Maximum value of SAR (measured) = 0.431 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 134  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/7/2015	Liquid Temperature (°C):	21.1
Serial Number:	IASY515S0018	Humidity (%RH):	44.3
Configuration:	INTE5597-3	Bar. Pressure (mb):	1015.5
Comments:	Final Power Setting: 11.0		

## Test 135

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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 (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.14 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.137 W/kg**

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

Maximum value of SAR (measured) = 1.03 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) = 0.0749 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) = 5.361 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) = 0.724 W/kg

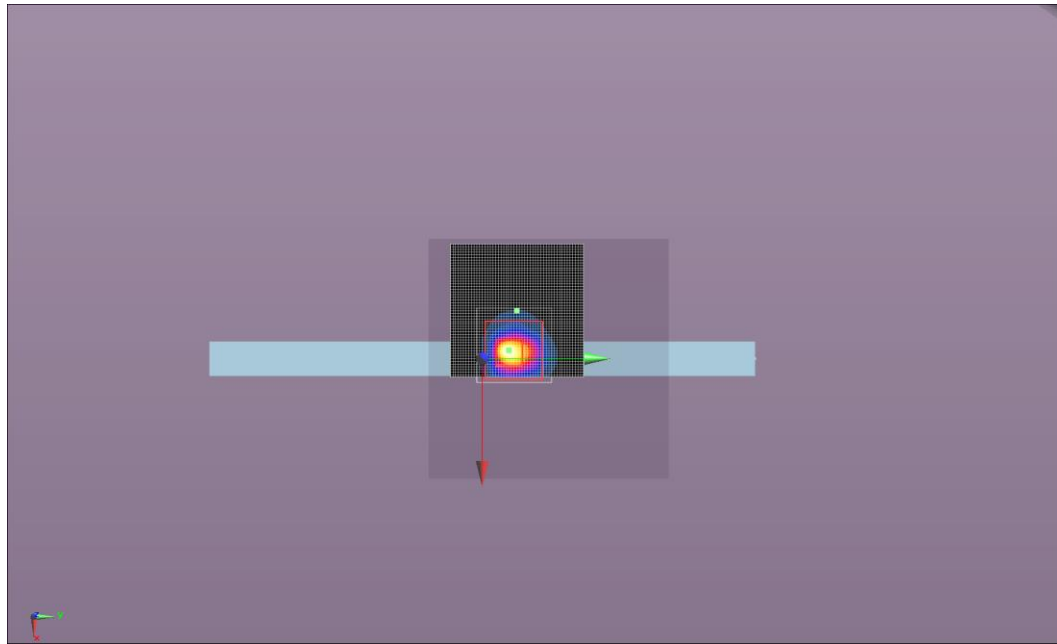
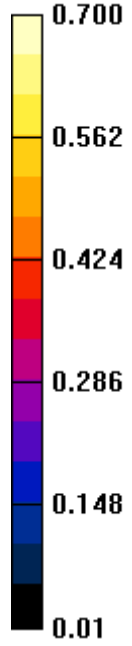
Maximum value of SAR (measured) = 0.159 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 135  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	21.3
Date:	7/8/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	54.8
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 136

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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 = 6.099 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.487 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.106 W/kg**

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

Maximum value of SAR (measured) = 0.221 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) = 0.108 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) = 4.837 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) = 0.219 W/kg

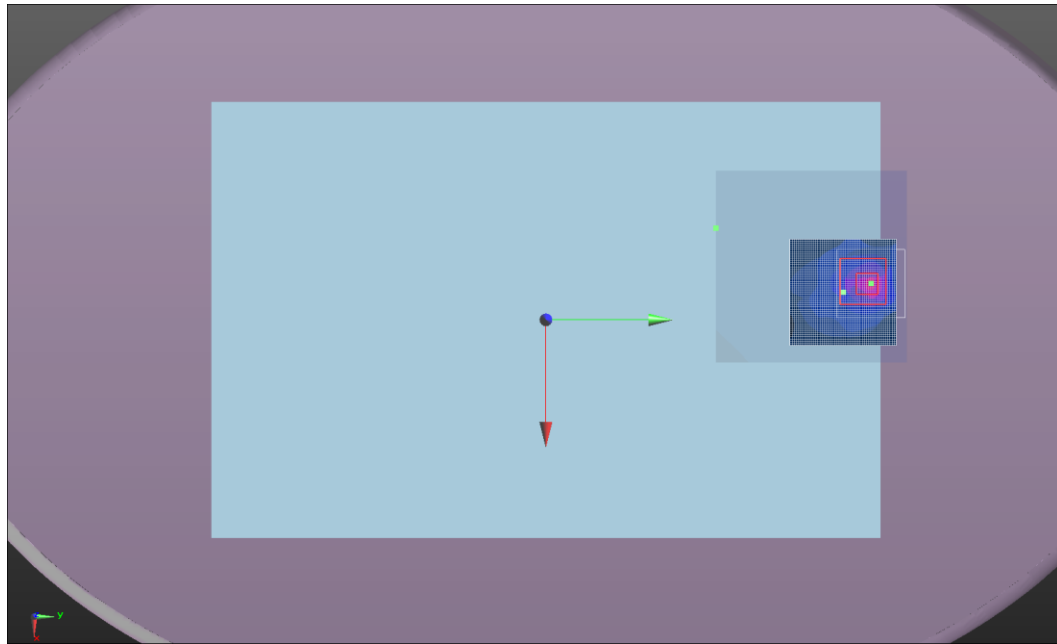
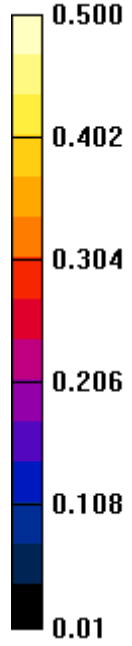
Maximum value of SAR (measured) = 0.129 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 136  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	43.9
Configuration:	INTE5597-4	Bar. Pressure (mb):	1012
Comments:	Final Power Setting: 11.5		

## Test 137

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.457$  S/m;  $\epsilon_r = 46.774$ ;  $\rho = 1000$  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 = 13.99 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.35 W/kg

**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.171 W/kg**

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

Maximum value of SAR (measured) = 1.54 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) = 0.260 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) = 6.294 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) = 0.216 W/kg

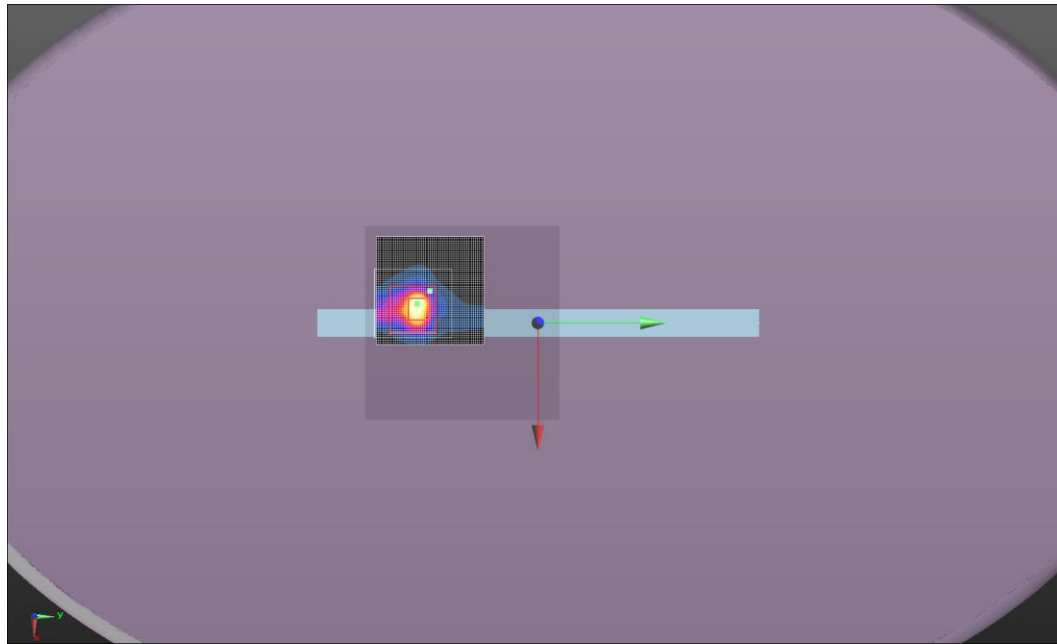
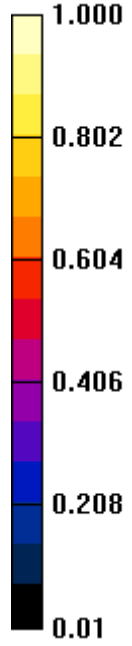


Approved By



# SAR TEST DATA – 5.3GHz

Test 137  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.2
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.5		

## Test 138b

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.454$  S/m;  $\epsilon_r = 46.895$ ;  $\rho = 1000$  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 = 20.74 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.56 W/kg

**SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.479 W/kg**

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

Maximum value of SAR (measured) = 2.81 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) = 11.72 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.](#)

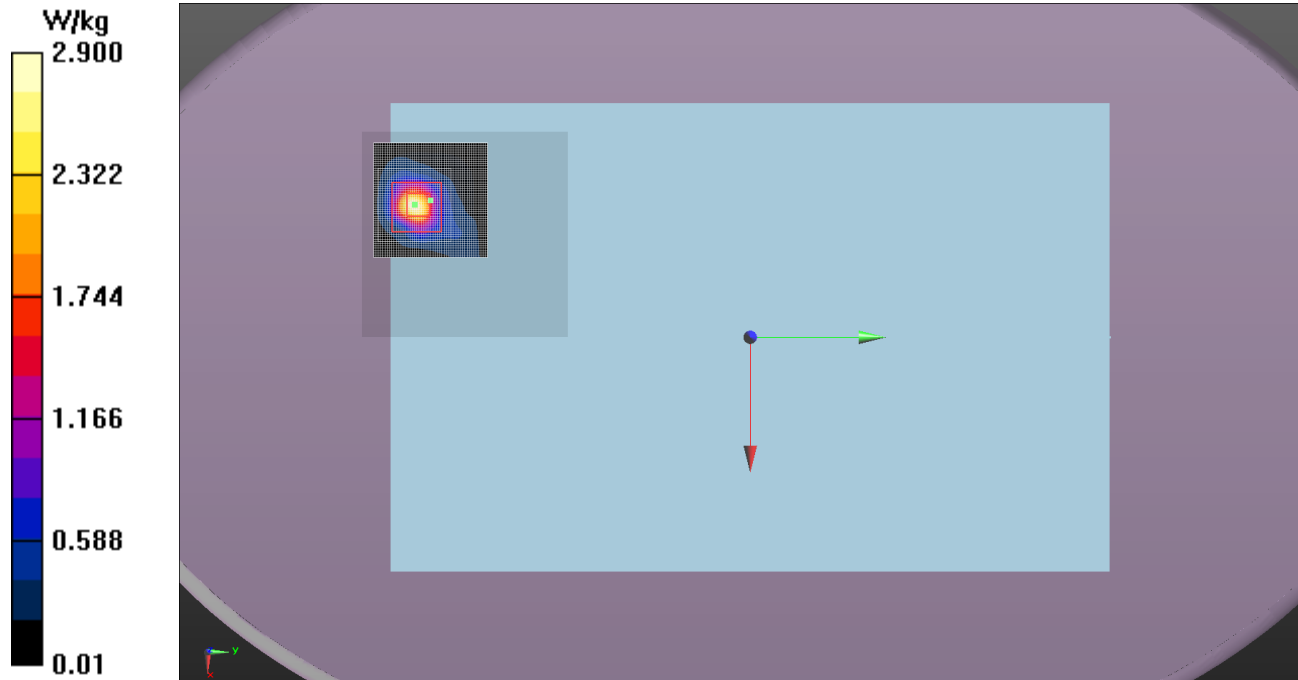
Maximum value of SAR (interpolated) = 2.91 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 138b



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.9
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	52
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 138c

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

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

Frequency: 5300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.523$  S/m;  $\epsilon_r = 46.889$ ;  $\rho = 1000$  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 = 19.66 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.20 W/kg

**SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.455 W/kg**

Maximum value of SAR (measured) = 2.60 W/kg

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

Maximum value of SAR (interpolated) = 1.74 W/kg

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

Maximum value of Total (measured) = 11.08 V/m

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

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

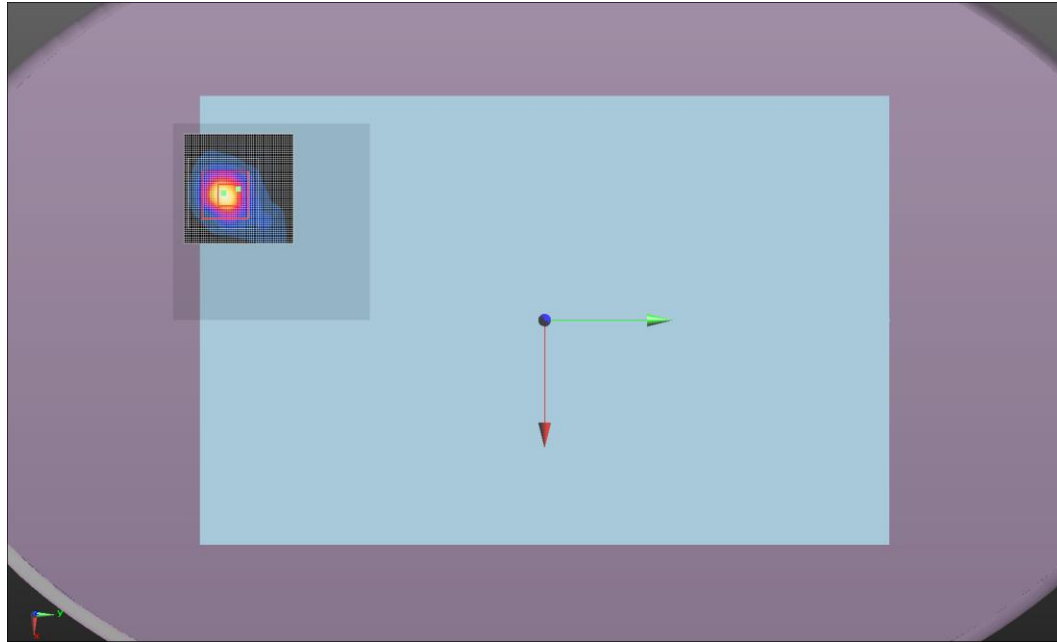
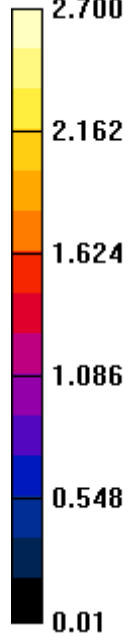
Maximum value of SAR (measured) = 0.678 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 138c  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Carl Engholm	Room Temperature (°C):	21.8
Date:	6/29/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	50
Configuration:	INTE5597-2	Bar. Pressure (mb):	1014
Comments:	Final Power Setting: 11.0		

## Test 138d

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

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

Frequency: 5320 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5320$  MHz;  $\sigma = 5.576$  S/m;  $\epsilon_r = 46.966$ ;  $\rho = 1000$  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 = 20.16 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 5.13 W/kg

**SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.446 W/kg**

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

Maximum value of SAR (measured) = 2.71 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) = 1.74 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) = 11.63 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.](#)

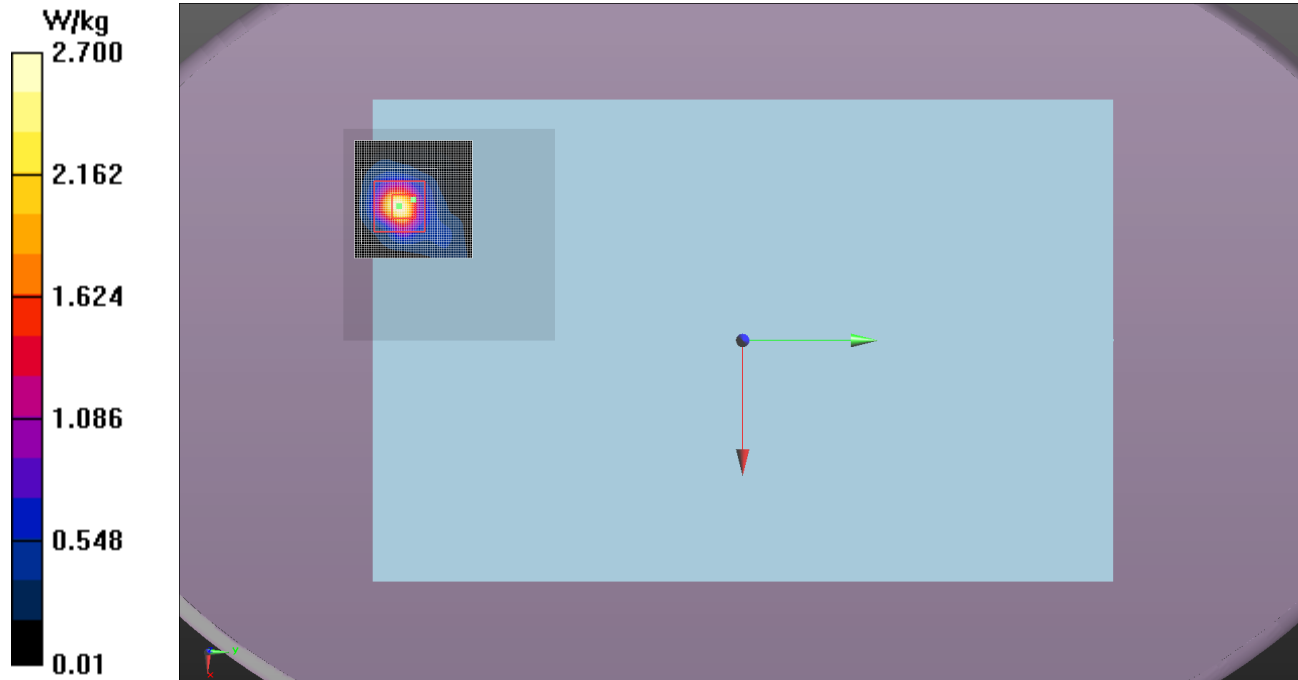
Maximum value of SAR (interpolated) = 2.72 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 138d



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/13/2015	Liquid Temperature (°C):	21.6
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018
Comments:	Repeatability Final Power Setting: 11.5		

## Test 138e

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.399$  S/m;  $\epsilon_r = 47.509$ ;  $\rho = 1000$  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 = 19.94 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.92 W/kg

**SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.429 W/kg**

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

Maximum value of SAR (measured) = 2.54 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) = 1.80 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) = 9.898 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) = 1.89 W/kg

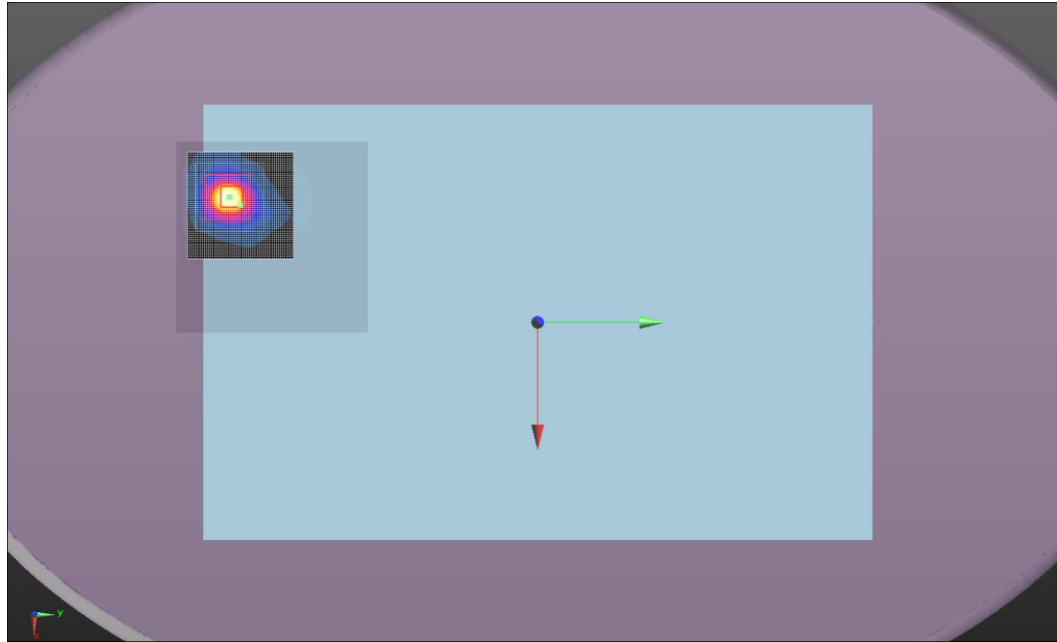
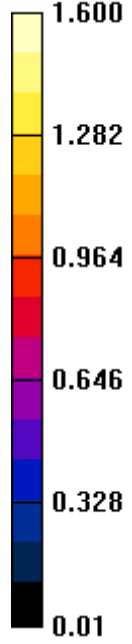
Maximum value of SAR (measured) = 0.529 W/kg

Approved By



# SAR TEST DATA – 5.3GHz

Test 138e  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	43.5
Configuration:	INTE5597-5	Bar. Pressure (mb):	1011.3
Comments:	Final Power Setting: 11.5		

## Test 139

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.457$  S/m;  $\epsilon_r = 46.774$ ;  $\rho = 1000$  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 = 1.097 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 3.89 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.129 W/kg**

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

Maximum value of SAR (measured) = 0.984 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) = 0.320 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) = 0.7223 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) = 0.849 W/kg

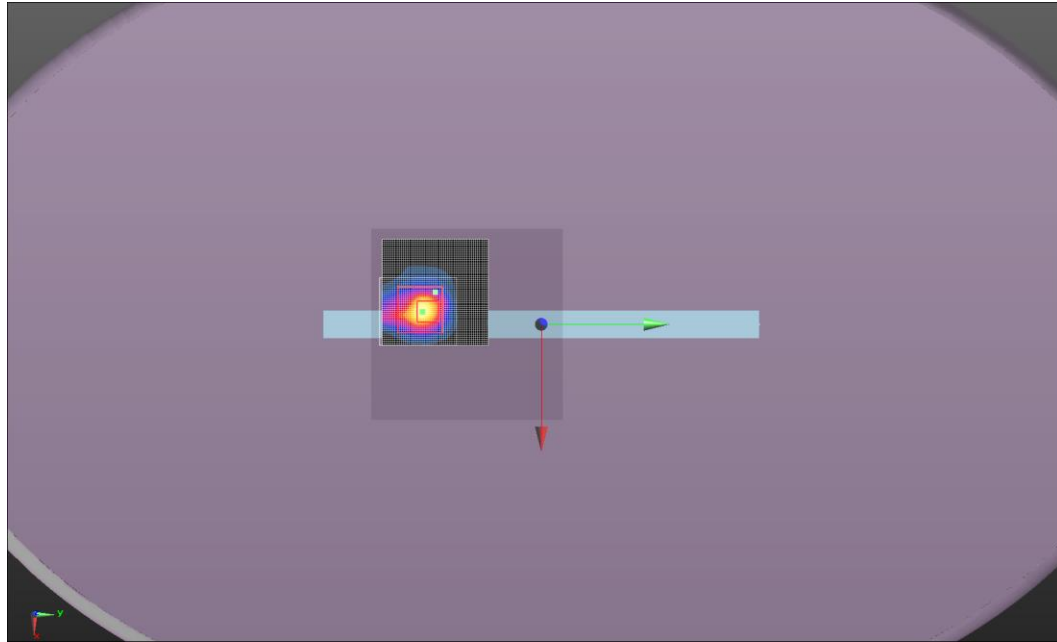
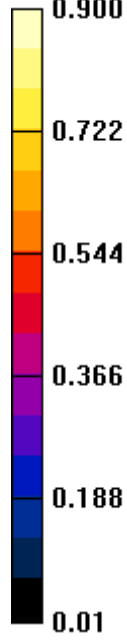
Maximum value of SAR (measured) = 0.00285 W/kg

  
  
**Approved By**

# SAR TEST DATA – 5.3GHz

Test 139

W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	43.9
Configuration:	INTE5597-1	Bar. Pressure (mb):	1009.9
Comments:	Final Power Setting: 11.5		

## Test 140

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

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

Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.457$  S/m;  $\epsilon_r = 46.774$ ;  $\rho = 1000$  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 = 9.141 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.180 W/kg**

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

Maximum value of SAR (measured) = 0.515 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) = 0.325 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) = 5.878 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.](#)

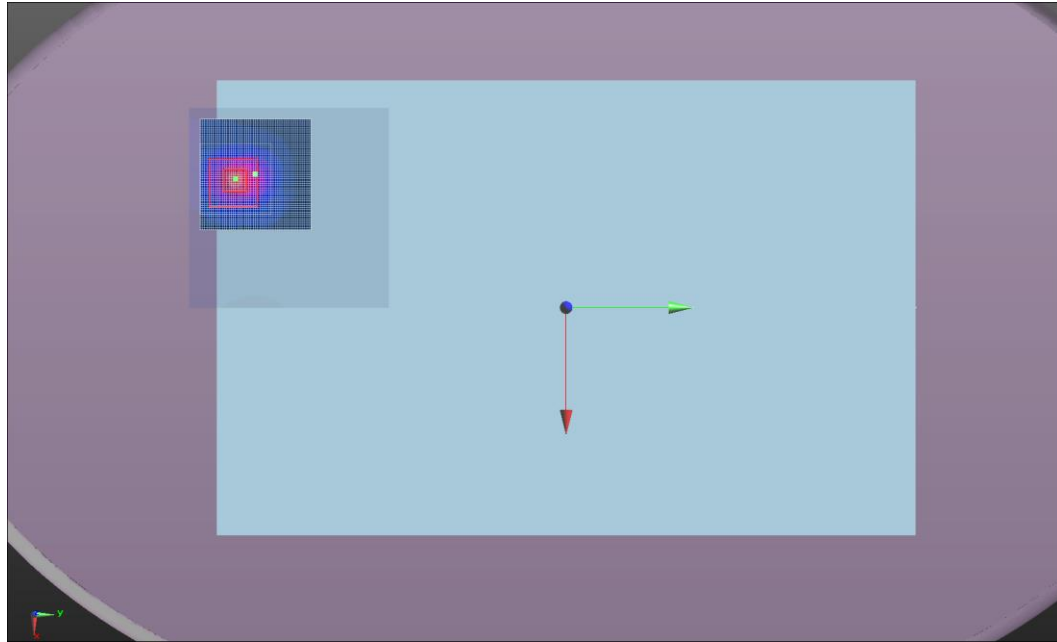
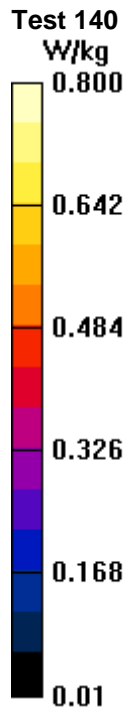
Maximum value of SAR (interpolated) = 0.533 W/kg

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




Approved By

# SAR TEST DATA – 5.3GHz



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	44.4
Configuration:	INTE5597-4	Bar. Pressure (mb):	1011.3
Comments:	Final Power Setting: 11.5		

## Test 141

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

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

Frequency: 5270 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 46.787$ ;  $\rho = 1000$  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 = 13.46 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.09 W/kg

**SAR(1 g) = 0.643 W/kg; SAR(10 g) = 0.172 W/kg**

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

Maximum value of SAR (measured) = 1.37 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) = 0.180 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) = 6.097 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.](#)

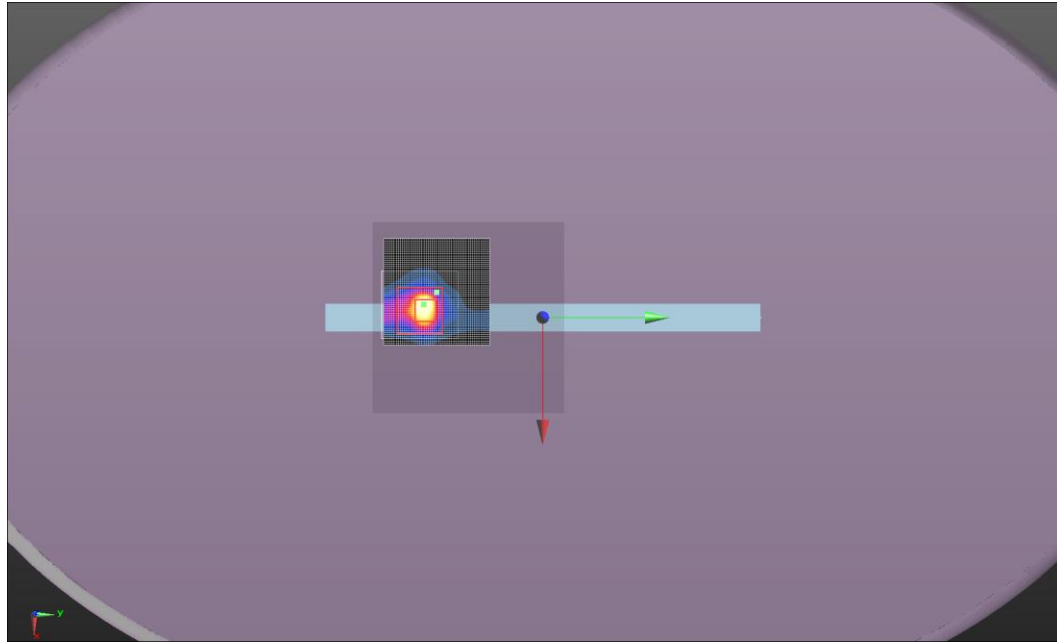
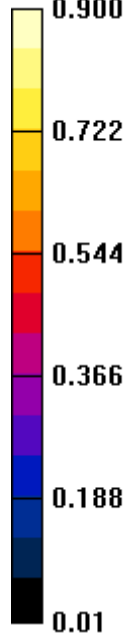
Maximum value of SAR (interpolated) = 1.16 W/kg

Maximum value of SAR (measured) = 0.203 W/kg

  
  
**Approved By**

# SAR TEST DATA – 5.3GHz

Test 141  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/30/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	47.2
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.3
Comments:	Final Power Setting: 11.5		

## Test 142b

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

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

Frequency: 5270 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.482$  S/m;  $\epsilon_r = 46.876$ ;  $\rho = 1000$  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 = 19.54 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 5.42 W/kg

**SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.476 W/kg**

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

Maximum value of SAR (measured) = 2.61 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) = 1.75 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) = 9.790 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.](#)

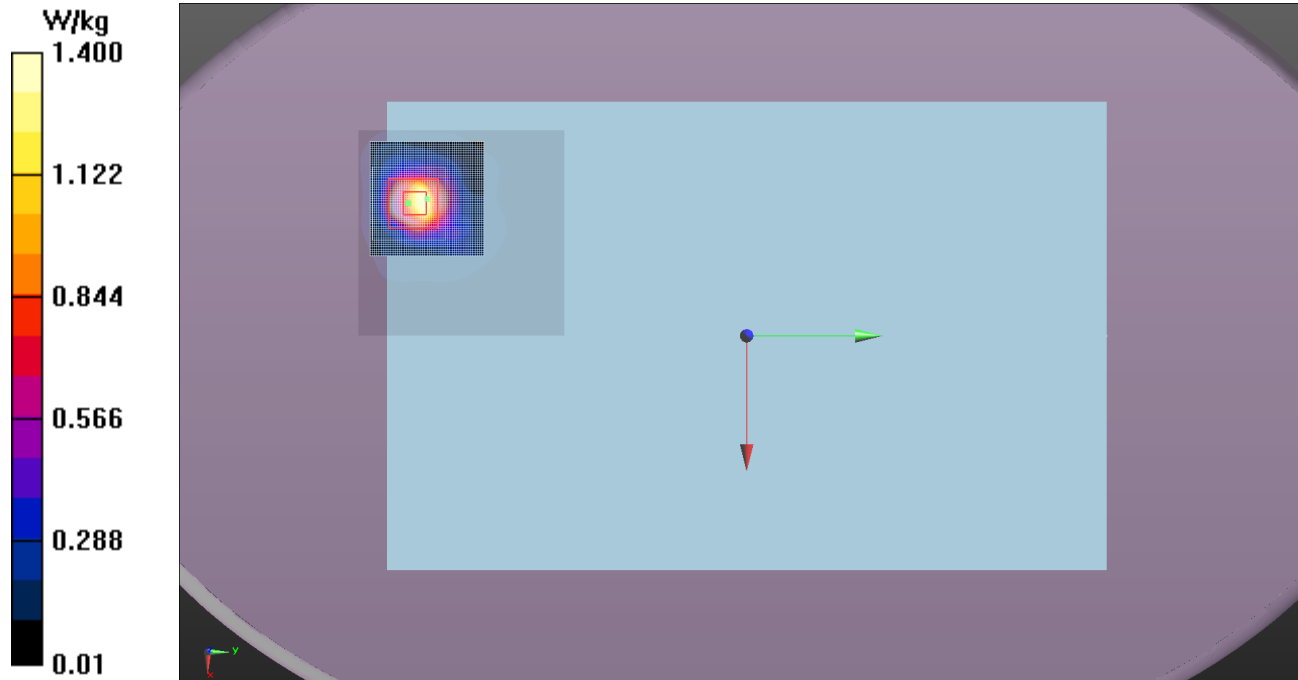
Maximum value of SAR (interpolated) = 2.82 W/kg

   
Approved By



# SAR TEST DATA – 5.3GHz

Test 142b



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	6/30/2015	Liquid Temperature (°C):	22.7
Serial Number:	IASY515S0018	Humidity (%RH):	48
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.6
Comments:	Final Power Setting: 11.5		

## Test 142d

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

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

Frequency: 5310 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5310$  MHz;  $\sigma = 5.549$  S/m;  $\epsilon_r = 46.927$ ;  $\rho = 1000$  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 = 19.01 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.76 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.426 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) = 1.67 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) = 9.341 V/m

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

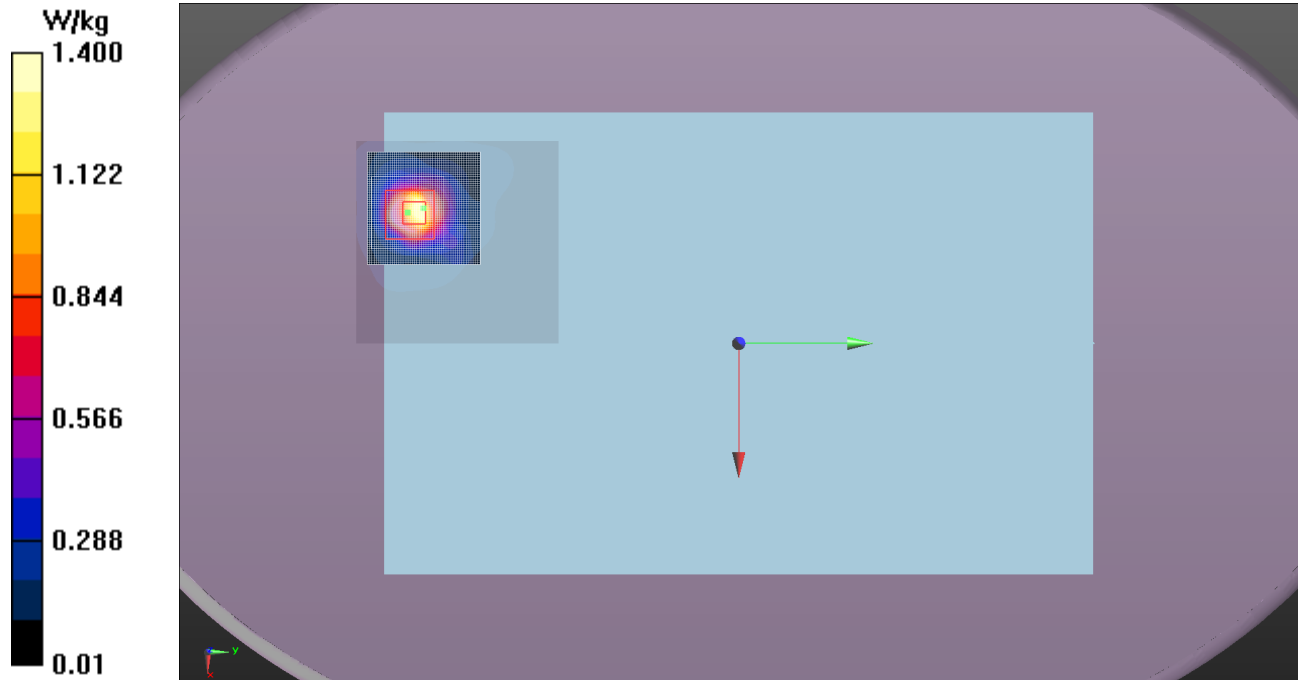
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 2.56 W/kg

   
Approved By

# SAR TEST DATA – 5.3GHz

Test 142d



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.5
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-5	Bar. Pressure (mb):	1009.8
Comments:	Final Power Setting: 11.5		

## Test 143

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

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

Frequency: 5270 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 46.787$ ;  $\rho = 1000$  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 = 0.9170 V/m; Power Drift = 4.38 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.130 W/kg**

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

Maximum value of SAR (measured) = 0.911 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) = 0.233 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) = 0.9442 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) = 0.781 W/kg

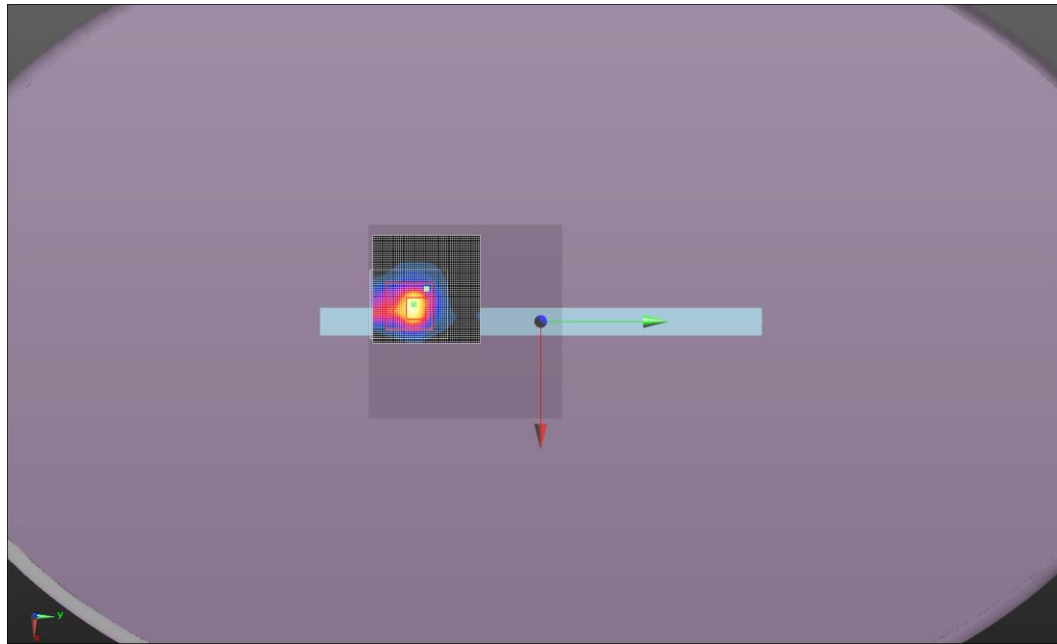
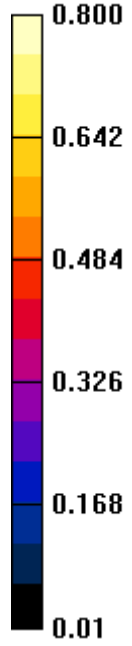
Maximum value of SAR (measured) = 0.00487 W/kg



Approved By

# SAR TEST DATA – 5.3GHz

Test 143  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	43.9
Configuration:	INTE5597-1	Bar. Pressure (mb):	1009.9
Comments:	Final Power Setting: 11.5		

## Test 144

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

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

Frequency: 5270 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 46.787$ ;  $\rho = 1000$  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 = 8.894 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 0.815 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.182 W/kg**

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

Maximum value of SAR (measured) = 0.479 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) = 0.295 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) = 5.661 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) = 0.470 W/kg

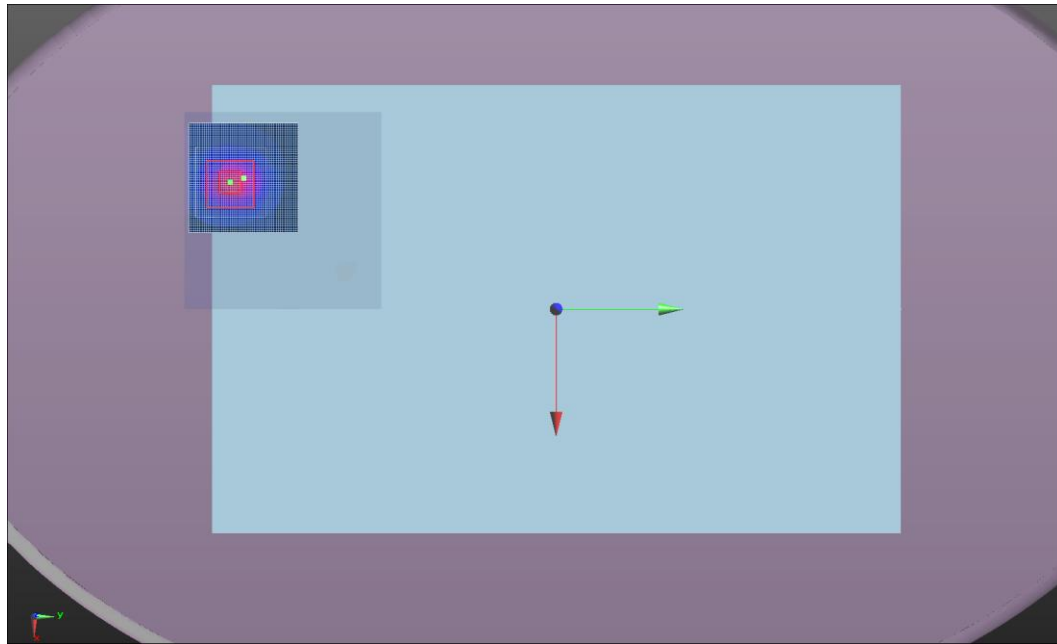
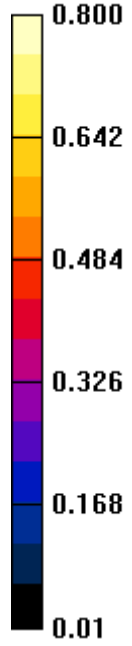
Maximum value of SAR (measured) = 0.175 W/kg

   
Approved By

# SAR TEST DATA – 5.3GHz

Test 144

W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	41.9
Configuration:	INTE5597-4	Bar. Pressure (mb):	1010.5
Comments:	Final Power Setting: 11.5		

## Test 145

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

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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 = 0.7510 V/m; Power Drift = 5.95 dB

Peak SAR (extrapolated) = 2.49 W/kg

**SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.154 W/kg**

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

Maximum value of SAR (measured) = 1.32 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) = 0.206 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) = 2.111 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) = 1.15 W/kg

Maximum value of SAR (measured) = 0.0246 W/kg

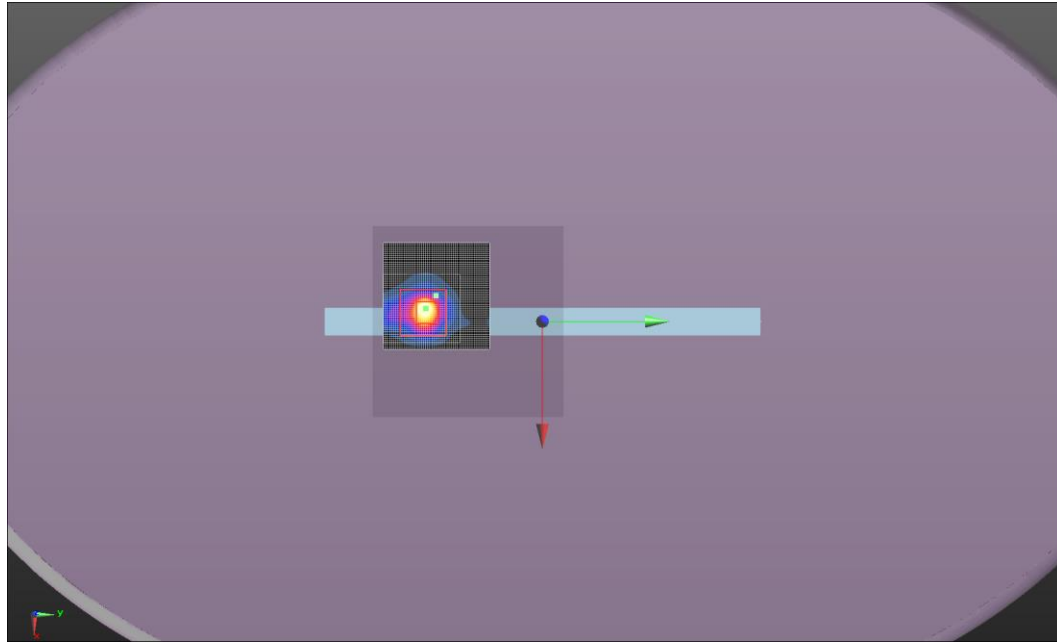
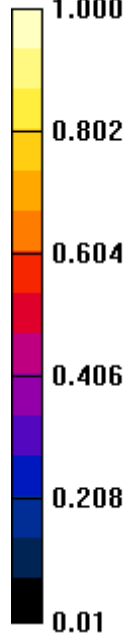


Approved By



# SAR TEST DATA – 5.3GHz

Test 145  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/30/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	43.2
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.9
Comments:	Final Power Setting: 11.5		

## Test 146a

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.512$  S/m;  $\epsilon_r = 46.88$ ;  $\rho = 1000$  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 = 18.87 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.58 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.401 W/kg**

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

Maximum value of SAR (measured) = 2.35 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) = 1.59 W/kg

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

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

Maximum value of Total (measured) = 9.463 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) = 2.53 W/kg

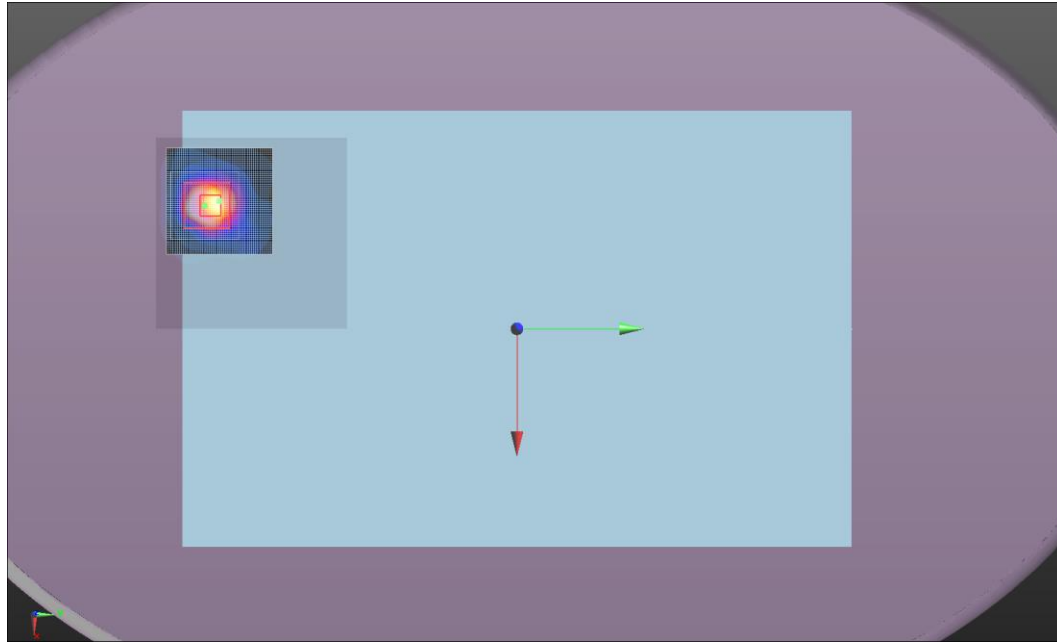
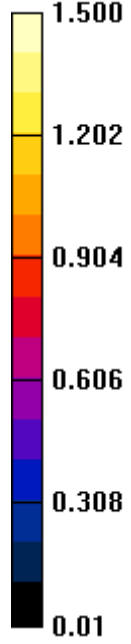
Maximum value of SAR (measured) = 0.494 W/kg




Approved By

# SAR TEST DATA – 5.3GHz

Test 146a  
W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	42.7
Configuration:	INTE5597-5	Bar. Pressure (mb):	1009.8
Comments:	Final Power Setting: 11.5		

**Test 147**

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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:

- 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 = 0.7970 V/m; Power Drift = 4.22 dB

Peak SAR (extrapolated) = 1.84 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.114 W/kg**

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

Maximum value of SAR (measured) = 0.814 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) = 0.317 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) = 0.6903 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) = 0.766 W/kg

Maximum value of SAR (measured) = 0.00263 W/kg

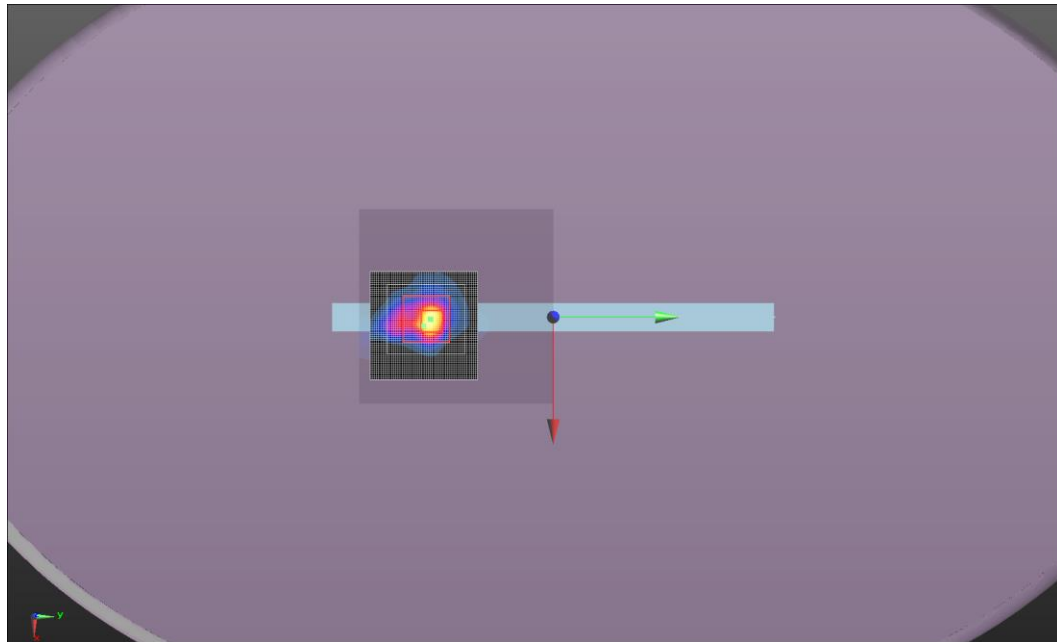
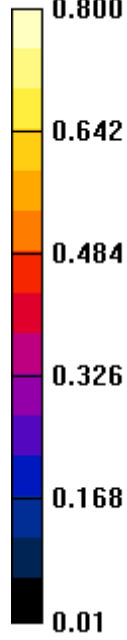



**Approved By**

# SAR TEST DATA – 5.3GHz

Test 147

W/kg



# SAR TEST DATA – 5.3GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/8/2015	Liquid Temperature (°C):	21
Serial Number:	IASY515S0018	Humidity (%RH):	43.9
Configuration:	INTE5597-1	Bar. Pressure (mb):	1009.9
Comments:	Final Power Setting: 11.5		

## Test 148

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

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

Frequency: 5290 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 5.526$  S/m;  $\epsilon_r = 46.815$ ;  $\rho = 1000$  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 = 9.239 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.188 W/kg**

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

Maximum value of SAR (measured) = 0.519 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) = 0.330 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) = 5.947 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.](#)

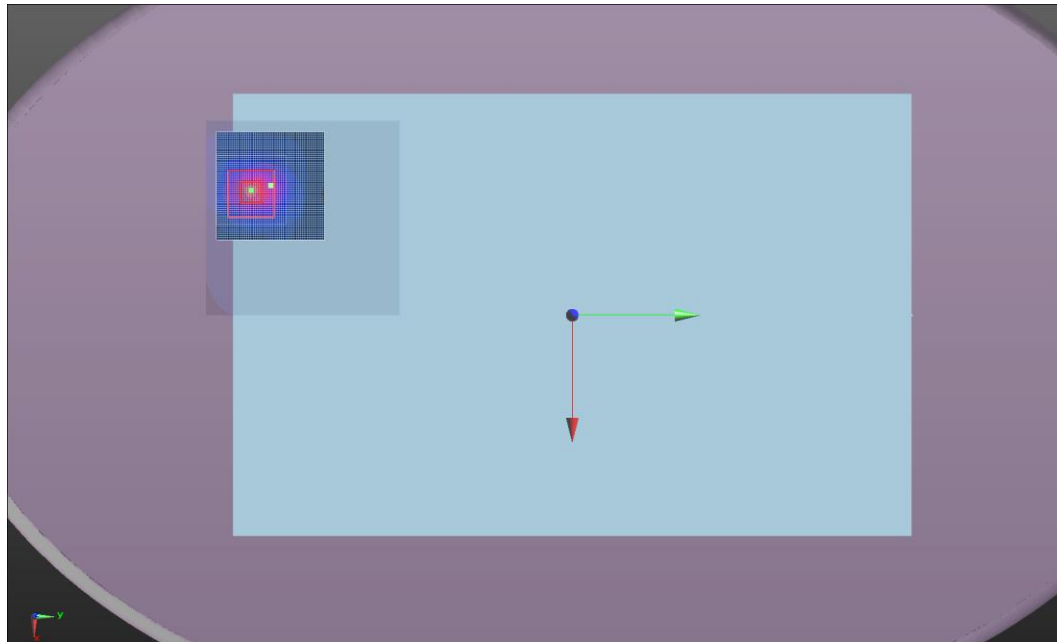
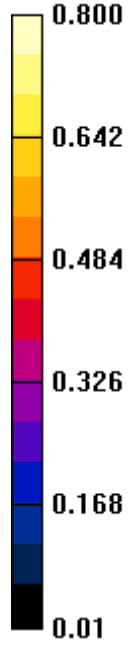
Maximum value of SAR (interpolated) = 0.520 W/kg

Maximum value of SAR (measured) = 0.195 W/kg

   
Approved By

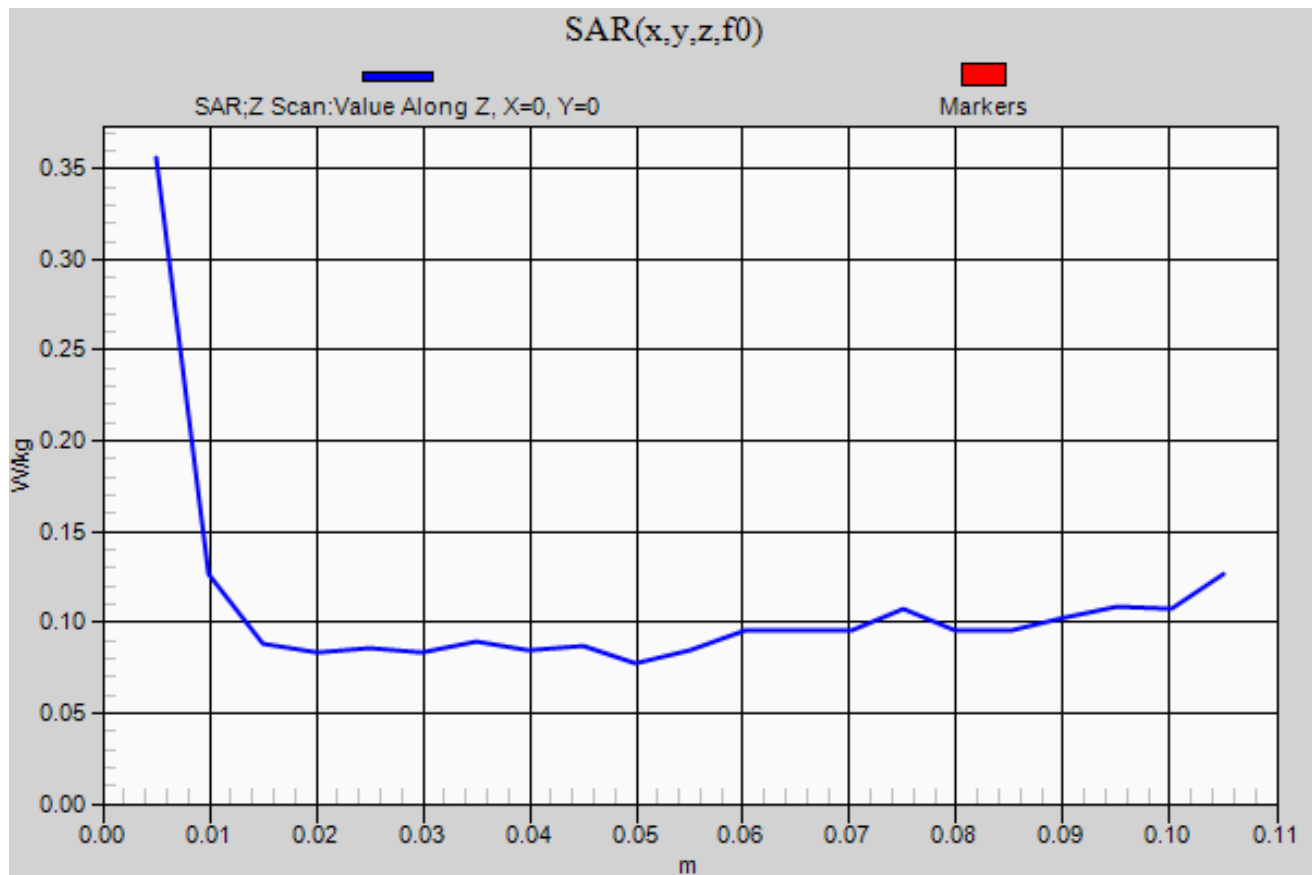
# SAR TEST DATA – 5.3GHz

Test 148  
W/kg



# SAR TEST DATA – 5.3GHz

Test 130a





# SAR TEST DATA – 5.6 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
5.6	5580	116	6 Mbit	20	A	Tablet	Left Side	0.05	0.95	0.26	10.5	0.32	0.30	0.08	149
5.6	5500	100	6 Mbit	20	A	Tablet	Left Side	0.12	0.92	0.24	10.5	0.41	0.37	0.10	149a
5.6	5680	136	6 Mbit	20	A	Tablet	Left Side	0.03	0.95	0.24	10.5	0.42	0.40	0.10	149b
5.6	5580	116	6 Mbit	20	A	Tablet	Back	0.11	1.21	0.38	10.5	0.32	0.38	0.12	150
5.6	5680	136	6 Mbit	20	A	Tablet	Back	-0.08	1.07	0.32	10.5	0.42	0.45	0.13	150a
5.6	5500	100	6 Mbit	20	A	Tablet	Back	0.08	1.24	0.39	10.5	0.41	0.51	0.16	150b
5.6	5580	116	6 Mbit	20	A	Thick Tablet	Left Side	0.03	0.84	0.23	10.5	0.32	0.27	0.07	151
5.6	5500	100	6 Mbit	20	A	Thick Tablet	Left Side	0.14	0.81	0.22	10.5	0.41	0.33	0.09	151a
5.6	5680	136	6 Mbit	20	A	Thick Tablet	Left Side	0.01	0.85	0.22	10.5	0.42	0.35	0.09	151b
5.6	5580	116	6 Mbit	20	A	Thick Tablet	Back	0.12	0.22	0.13	10.5	0.32	0.07	0.04	152
5.6	5550	108/112	MCSO ac	40	A	Tablet	Left Side	0.01	0.87	0.24	10.5	0.39	0.34	0.09	153
5.6	5510	100/104	MCSO ac	40	A	Tablet	Left Side	-0.09	0.86	0.24	10.5	0.44	0.38	0.10	153a
5.6	5670	132/136	MCSO ac	40	A	Tablet	Left Side	0.07	1.04	0.27	10.5	0.47	0.49	0.13	153b
5.6	5550	108/112	MCSO ac	40	A	Tablet	Back	0.12	1.19	0.36	10.5	0.39	0.46	0.14	154
5.6	5670	132/136	MCSO ac	40	A	Tablet	Back	-0.07	1.29	0.39	10.5	0.47	0.60	0.18	154a
5.6	5510	100/104	MCSO ac	40	A	Tablet	Back	0.09	1.18	0.37	10.5	0.44	0.52	0.16	154b
5.6	5550	108/112	MCSO ac	40	A	Thick Tablet	Left Side	-0.32	0.51	0.09	10.5	0.39	0.20	0.04	155a
5.6	5550	108/112	MCSO ac	40	A	Thick Tablet	Back	-0.01	0.19	0.12	10.5	0.39	0.07	0.05	156
5.6	5530	106	MCSO	80	A	Tablet	Left Side	-0.18	0.79	0.20	10.5	0.43	0.34	0.09	157
5.6	5530	106	MCSO	80	A	Tablet	Back	0.08	0.97	0.31	10.5	0.43	0.41	0.13	158
5.6	5530	106	MCSO	80	A	Thick Tablet	Left Side	0.03	0.61	0.15	10.5	0.43	0.26	0.06	159
5.6	5530	106	MCSO	80	A	Thick Tablet	Back	0.03	0.20	0.13	10.5	0.43	0.09	0.06	160
5.6	5520	104	MCSO ac	20	B	Tablet	Right Side	0.35	0.30	0.08	12.0	0.32	0.09	0.03	161

# SAR TEST DATA – 5.6 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
5.6	5520	104	MCSO ac	20	B	Tablet	Back	0.28	0.91	0.34	12.0	0.32	0.29	0.11	162
5.6	5580	116	MCSO ac	20	B	Tablet	Back	0.26	0.84	0.35	12.0	0.45	0.38	0.16	162b
5.6	5680	136	MCSO ac	20	B	Tablet	Back	0.29	1.24	0.51	12.0	0.47	0.58	0.24	162d
5.6	5520	104	MCSO ac	20	B	Thick Tablet	Right Side	0.27	0.23	0.06	12.0	0.32	0.07	0.02	163
5.6	5520	104	MCSO ac	20	B	Thick Tablet	Back	-0.12	0.25	0.16	12.0	0.32	0.08	0.05	164
5.6	5550	108/112	MCS7	40	B	Tablet	Right Side	0.41	0.30	0.08	12.0	0.35	0.10	0.03	165
5.6	5550	108/112	MCS7	40	B	Tablet	Back	0.21	0.76	0.32	12.0	0.35	0.26	0.11	166
5.6	5550	108/112	MCS7	40	B	Thick Tablet	Right Side	0.09	0.24	0.07	12.0	0.35	0.08	0.02	167
5.6	5550	108/112	MCS7	40	B	Thick Tablet	Back	0.32	0.24	0.16	12.0	0.35	0.08	0.06	168
5.6	5530	106	MCSO	80	B	Tablet	Right Side	0.34	0.21	0.06	12.0	0.47	0.10	0.03	169
5.6	5530	106	MCSO	80	B	Tablet	Back	0.00	0.64	0.26	12.0	0.47	0.30	0.12	170
5.6	5530	106	MCSO	80	B	Thick Tablet	Right Side	-0.28	0.16	0.05	12.0	0.47	0.07	0.02	171
5.6	5530	106	MCSO	80	B	Thick Tablet	Back	0.17	0.21	0.15	12.0	0.47	0.10	0.07	172

# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	7/9/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 149

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

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

Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.857$  S/m;  $\epsilon_r = 48.127$ ;  $\rho = 1000$  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 (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.60 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.61 W/kg

**SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.258 W/kg**

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

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

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

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

Maximum value of SAR (interpolated) = 0.198 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) = 6.678 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) = 1.83 W/kg

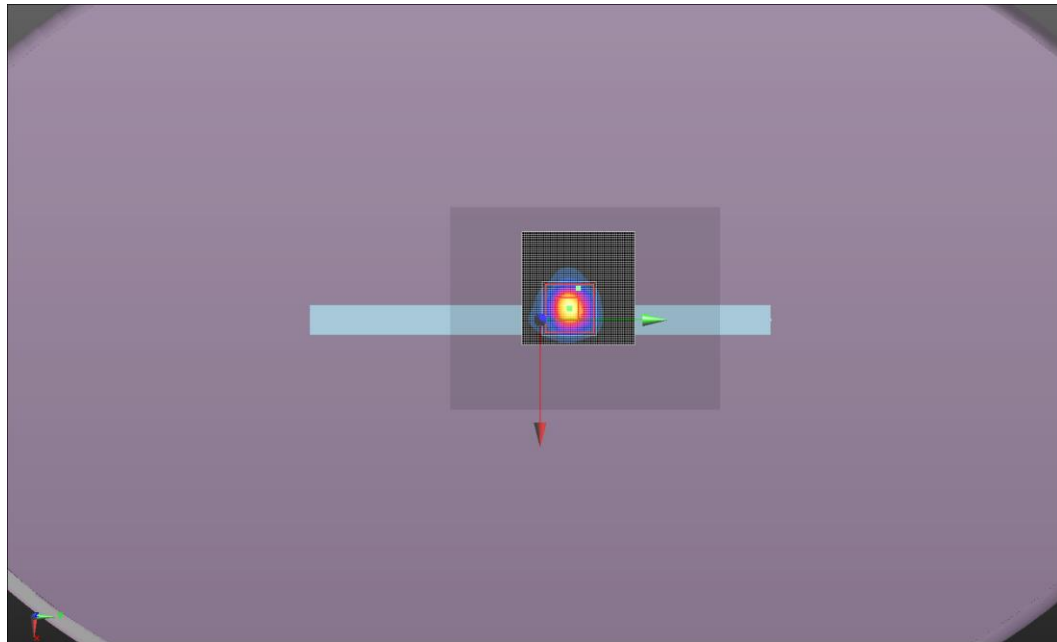
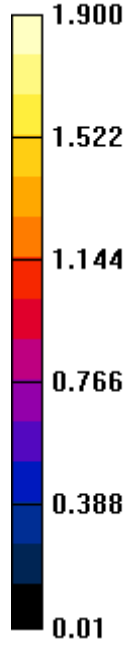
Maximum value of SAR (measured) = 0.261 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 149  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.5
Date:	7/9/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 149a

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

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

Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.791$  S/m;  $\epsilon_r = 48.438$ ;  $\rho = 1000$  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 (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.62 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.44 W/kg

**SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.238 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.162 W/kg

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

Maximum value of Total (measured) = 6.999 V/m

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

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

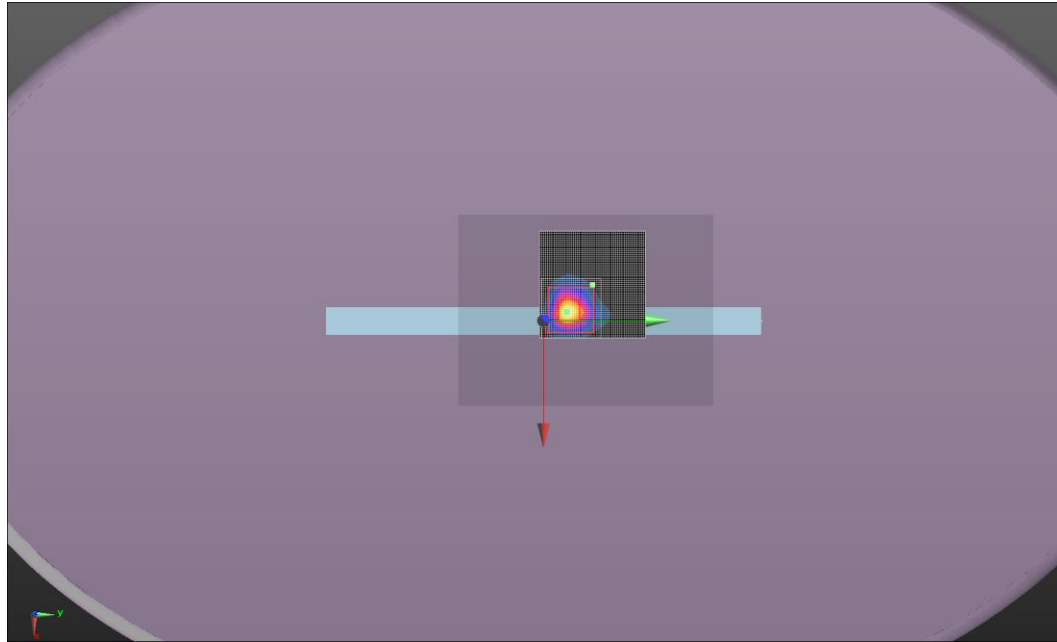
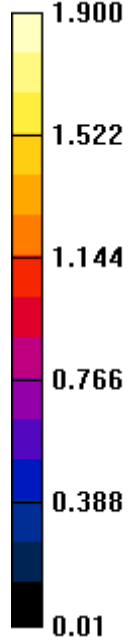
Maximum value of SAR (measured) = 0.284 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 149a  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	21.9
Date:	7/9/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	47
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 149b

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

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

Frequency: 5680 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5680$  MHz;  $\sigma = 6.103$  S/m;  $\epsilon_r = 47.816$ ;  $\rho = 1000$  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 = 16.39 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.61 W/kg

**SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.244 W/kg**

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

Maximum value of SAR (measured) = 2.06 W/kg

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

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

Maximum value of SAR (interpolated) = 0.149 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) = 6.706 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) = 1.84 W/kg

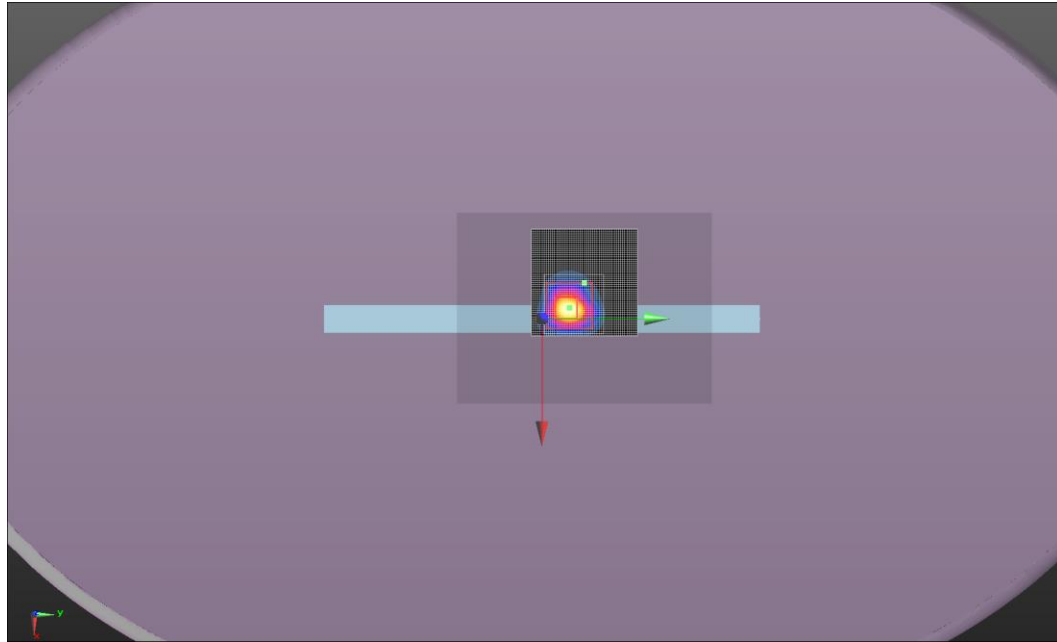
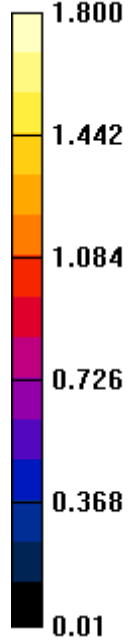
Maximum value of SAR (measured) = 0.274 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 149b  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/30/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.5
Comments:	Final Power Setting: 11.0		

## Test 150

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

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

Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.804$  S/m;  $\epsilon_r = 46.325$ ;  $\rho = 1000$  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 = 18.20 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 5.87 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.376 W/kg**

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

Maximum value of SAR (measured) = 2.58 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) = 1.31 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) = 8.970 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.](#)

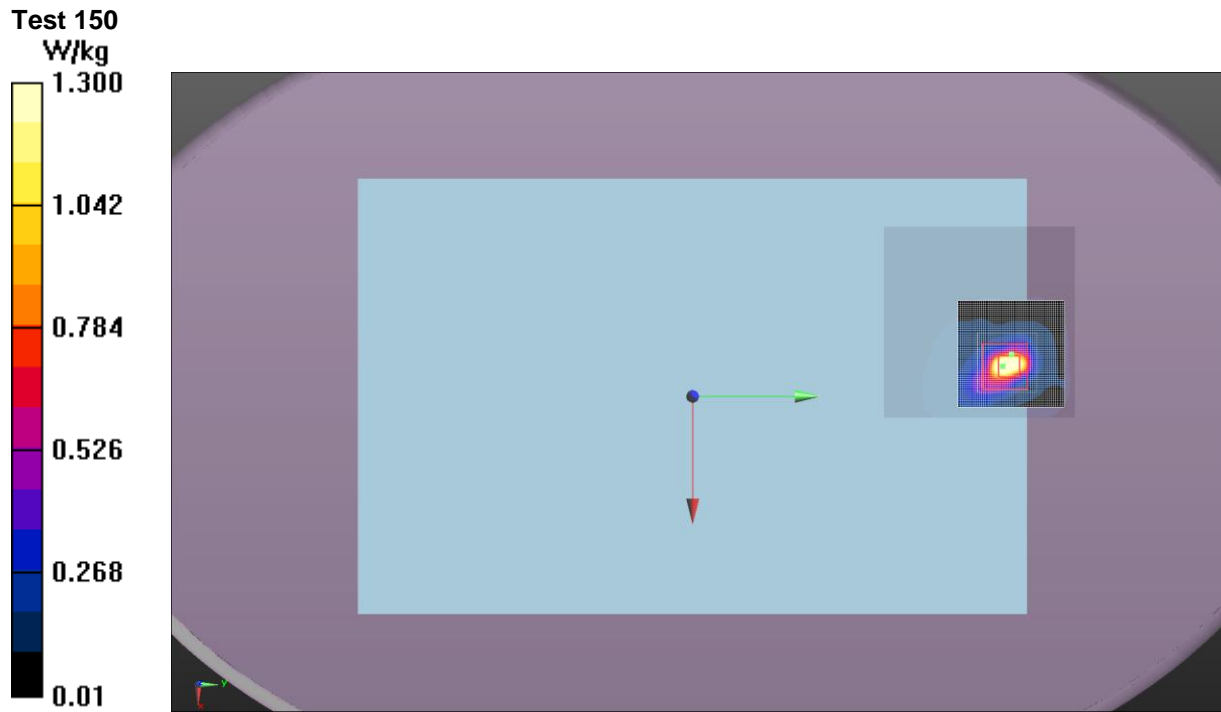
Maximum value of SAR (interpolated) = 1.74 W/kg

Maximum value of SAR (measured) = 0.467 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/30/2015	Liquid Temperature (°C):	22.1
Serial Number:	IASY515S0018	Humidity (%RH):	44.1
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.6
Comments:	Final Power Setting: 11.0		

## Test 150a

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

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

Frequency: 5700 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 6.153$  S/m;  $\epsilon_r = 46.016$ ;  $\rho = 1000$  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 = 16.78 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.87 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.325 W/kg**

Maximum value of SAR (measured) = 2.37 W/kg

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

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

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

Maximum value of Total (measured) = 7.897 V/m

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

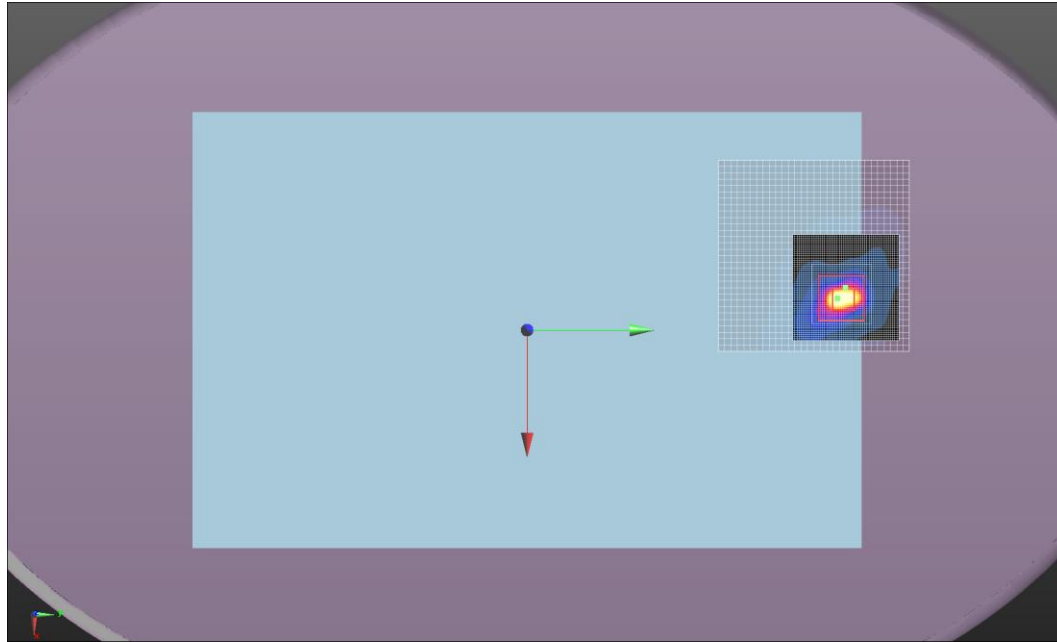
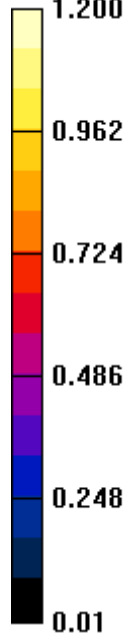
Maximum value of SAR (interpolated) = 1.51 W/kg

Maximum value of SAR (measured) = 0.384 W/kg

   
Approved By

# SAR TEST DATA – 5.6 GHz

Test 150a  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.2
Date:	6/30/2015	Liquid Temperature (°C):	22.1
Serial Number:	IASY515S0018	Humidity (%RH):	42.3
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.6
Comments:	Final Power Setting: 11.0		

## Test 150b

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

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

Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.746$  S/m;  $\epsilon_r = 46.688$ ;  $\rho = 1000$  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 = 18.61 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.91 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.389 W/kg**

Maximum value of SAR (measured) = 2.53 W/kg

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

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

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

Maximum value of Total (measured) = 9.048 V/m

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

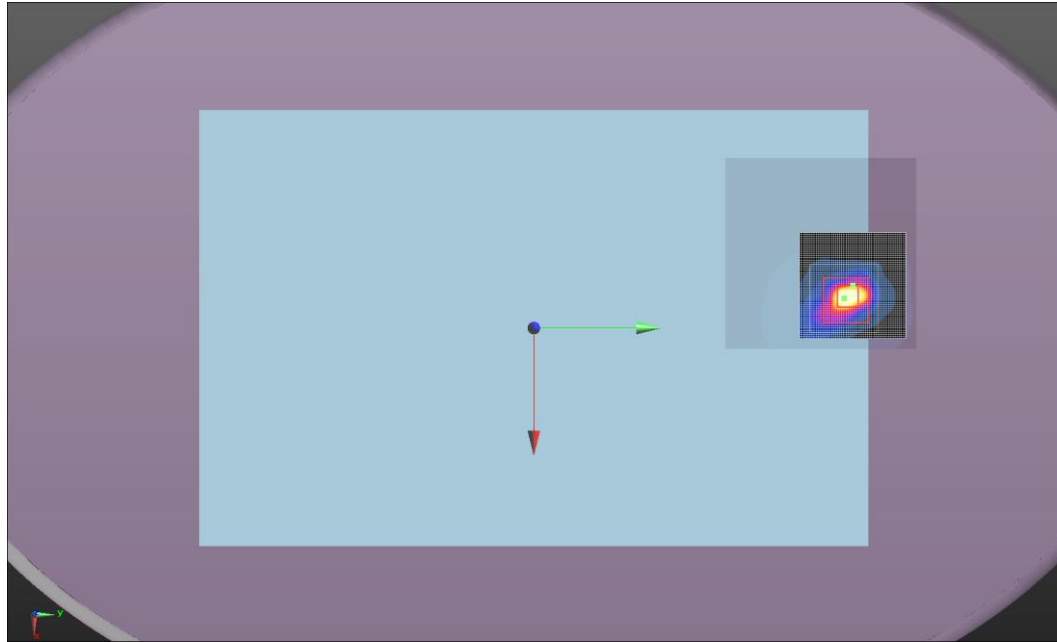
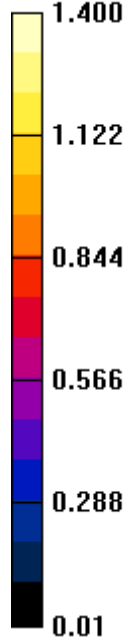
Maximum value of SAR (interpolated) = 1.81 W/kg

Maximum value of SAR (measured) = 0.470 W/kg

Approved By

# SAR TEST DATA – 5.6 GHz

Test 150b  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.6
Date:	7/7/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	44.1
Configuration:	INTE5597-3	Bar. Pressure (mb):	1016.3
Comments:	Final Power Setting: 11.0		

## Test 151

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

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

Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.829$  S/m;  $\epsilon_r = 46.338$ ;  $\rho = 1000$  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 = 15.82 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.00 W/kg

**SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.234 W/kg**

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

Maximum value of SAR (measured) = 1.85 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) = 0.198 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) = 6.591 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.](#)

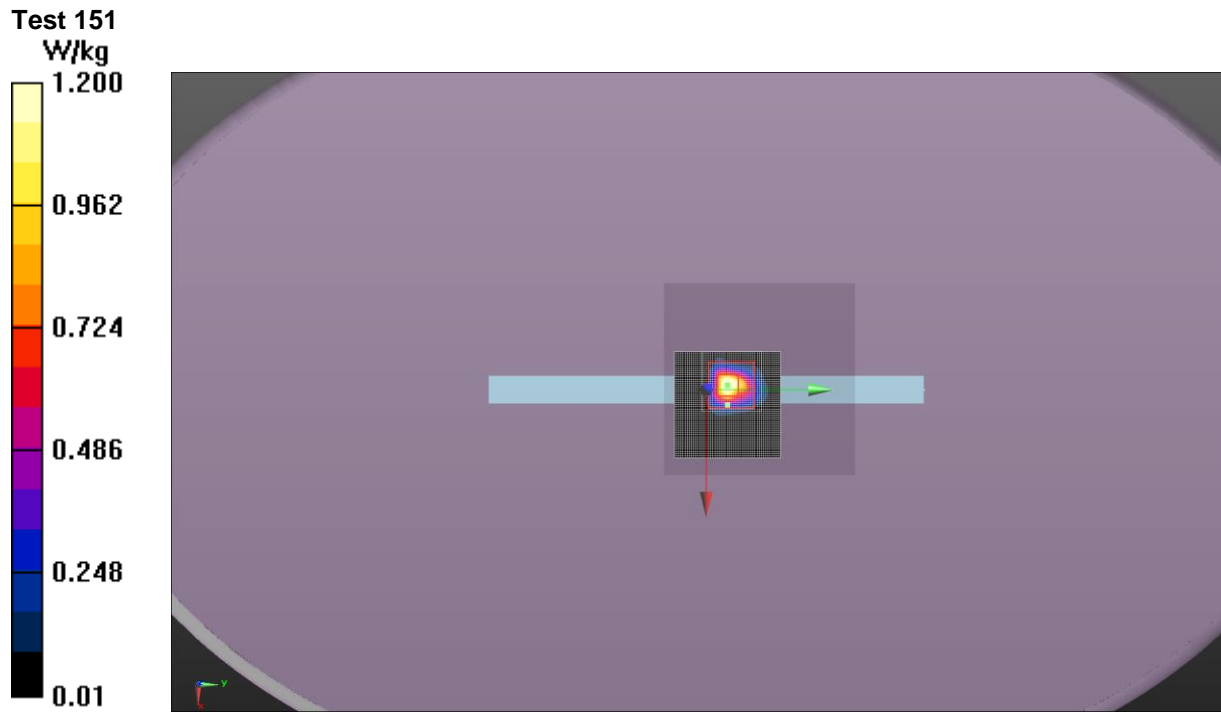
Maximum value of SAR (interpolated) = 1.44 W/kg

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



Approved By

# SAR TEST DATA – 5.6 GHz





# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	21.9
Date:	7/9/2015	Liquid Temperature (°C):	20.8
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-3	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 151a

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

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

Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.791$  S/m;  $\epsilon_r = 48.438$ ;  $\rho = 1000$  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 (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 15.34 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.87 W/kg

**SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.220 W/kg**

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

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

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

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

Maximum value of Total (measured) = 6.478 V/m

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

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

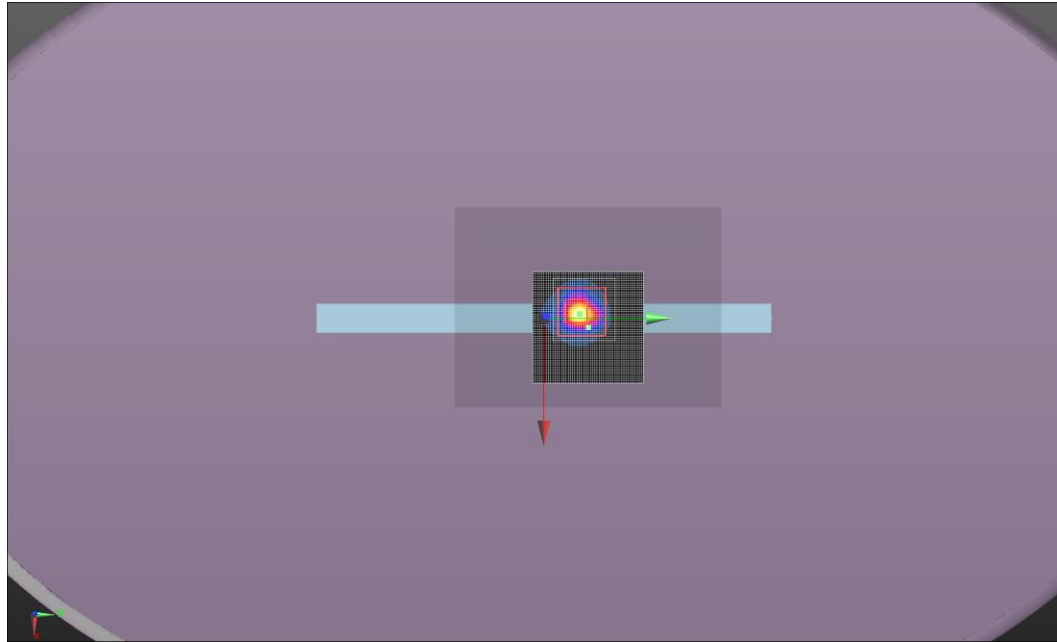
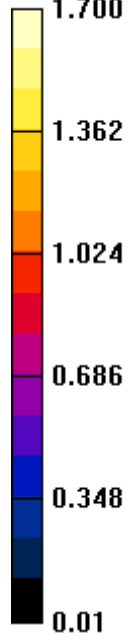
Maximum value of SAR (measured) = 0.243 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 151a  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22
Date:	7/9/2015	Liquid Temperature (°C):	20.9
Serial Number:	IASY515S0018	Humidity (%RH):	41
Configuration:	INTE5597-3	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 151b

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

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

Frequency: 5680 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5680$  MHz;  $\sigma = 6.103$  S/m;  $\epsilon_r = 47.816$ ;  $\rho = 1000$  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 = 15.16 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.25 W/kg

**SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.223 W/kg**

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

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

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

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

Maximum value of SAR (interpolated) = 0.198 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) = 6.283 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) = 1.76 W/kg

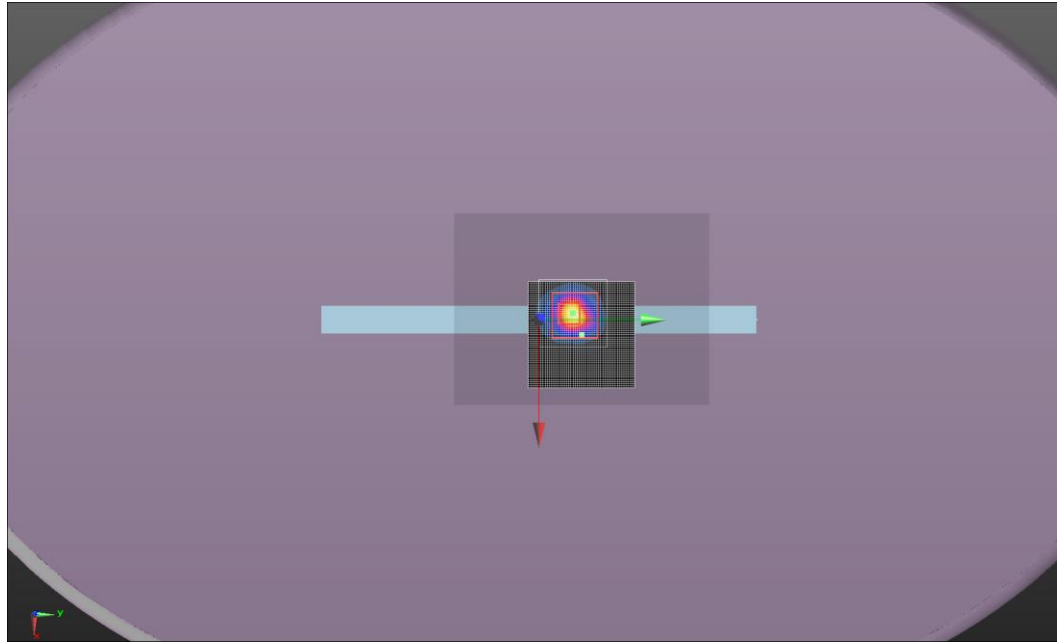
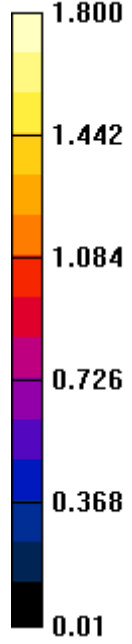
Maximum value of SAR (measured) = 0.241 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 151b  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.8
Date:	7/8/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 152

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

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

Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.829$  S/m;  $\epsilon_r = 46.338$ ;  $\rho = 1000$  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 (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.292 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.134 W/kg**

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

Maximum value of SAR (measured) = 0.343 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) = 0.154 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) = 5.199 V/m

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

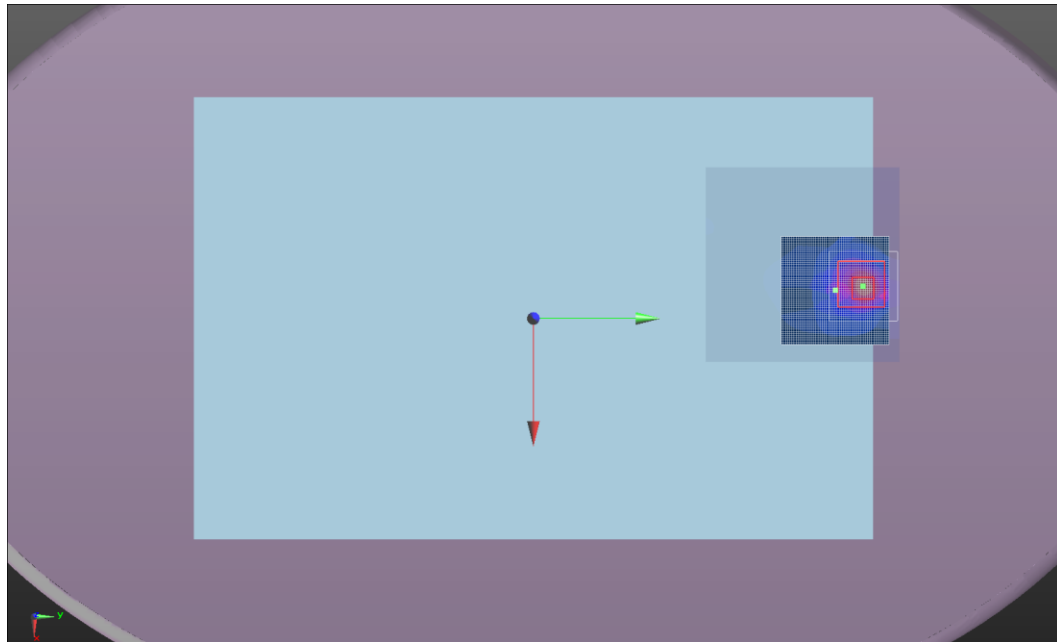
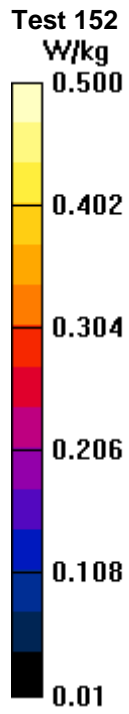
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.348 W/kg

Maximum value of SAR (measured) = 0.158 W/kg

   
Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	7/9/2015	Liquid Temperature (°C):	20.6
Serial Number:	IASY515S0018	Humidity (%RH):	46
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 153

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

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

Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.791$  S/m;  $\epsilon_r = 48.438$ ;  $\rho = 1000$  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 = 15.45 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.14 W/kg

**SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.245 W/kg**

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

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

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

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

Maximum value of Total (measured) = 6.435 V/m

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

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

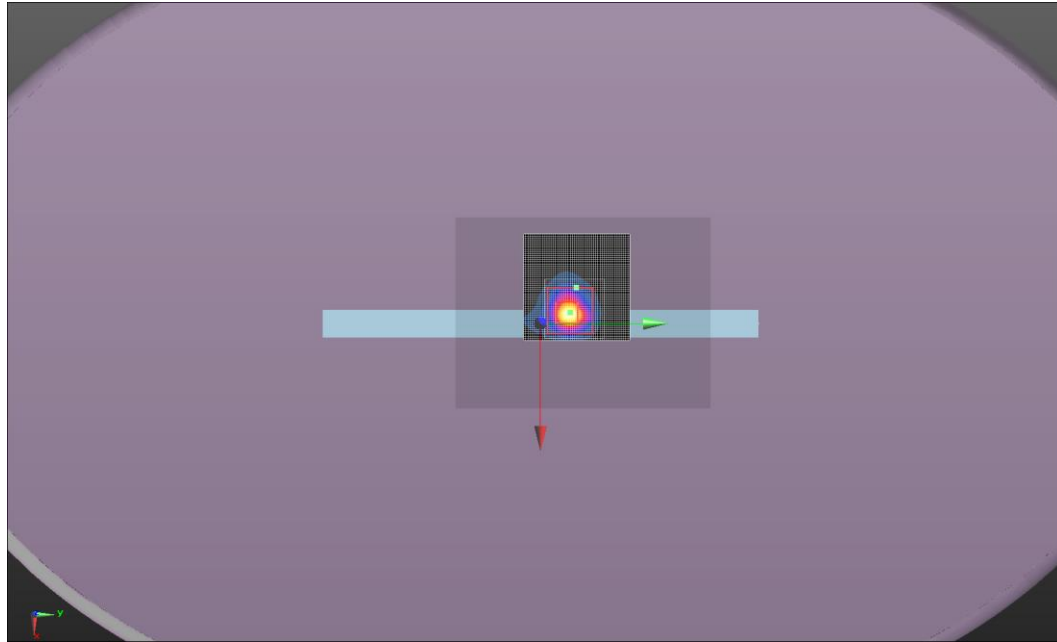
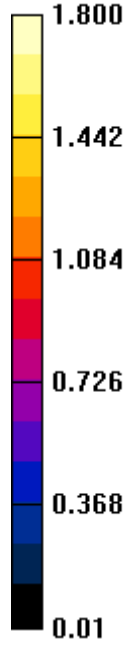
Maximum value of SAR (measured) = 0.240 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 153  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	7/9/2015	Liquid Temperature (°C):	20.6
Serial Number:	IASY515S0018	Humidity (%RH):	56
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 153a

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

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

Frequency: 5510 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5510$  MHz;  $\sigma = 5.801$  S/m;  $\epsilon_r = 48.396$ ;  $\rho = 1000$  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 = 16.19 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.94 W/kg

**SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.235 W/kg**

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

Maximum value of SAR (measured) = 1.87 W/kg

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

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

Maximum value of SAR (interpolated) = 0.154 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) = 6.735 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) = 2.05 W/kg

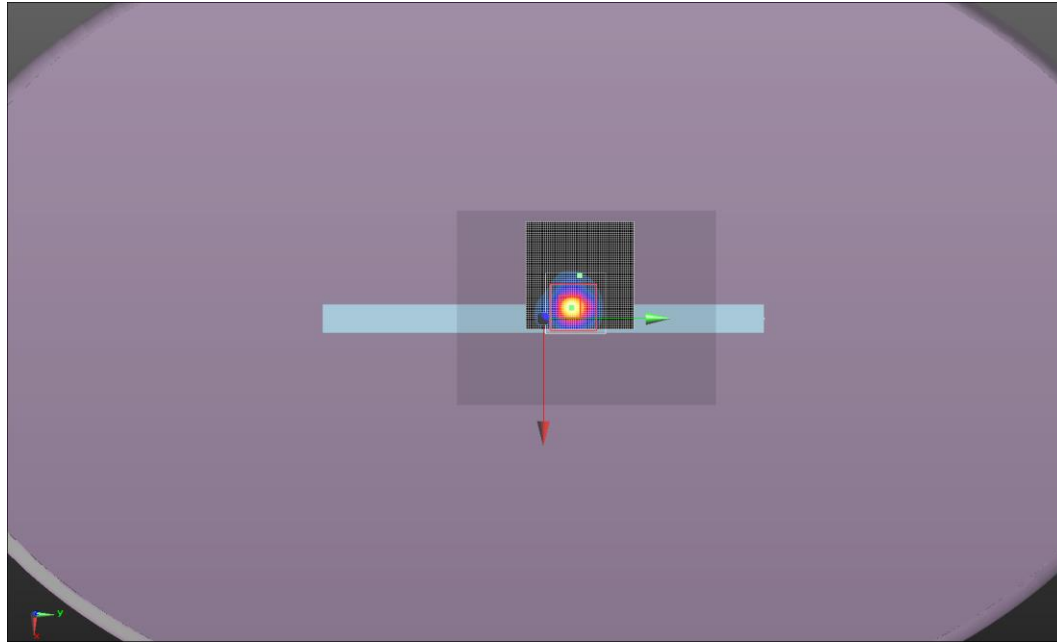
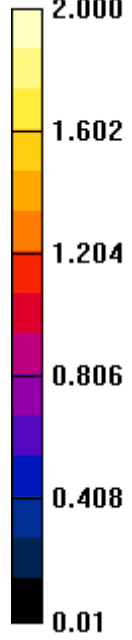
Maximum value of SAR (measured) = 0.263 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 153a  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23
Date:	7/9/2015	Liquid Temperature (°C):	20.7
Serial Number:	IASY515S0018	Humidity (%RH):	53
Configuration:	INTE5597-2	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 153b

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

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

Frequency: 5670 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5670$  MHz;  $\sigma = 6.083$  S/m;  $\epsilon_r = 47.825$ ;  $\rho = 1000$  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 = 17.25 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.24 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.270 W/kg**

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

Maximum value of SAR (measured) = 2.34 W/kg

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

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

Maximum value of SAR (interpolated) = 0.168 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) = 6.985 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) = 2.16 W/kg

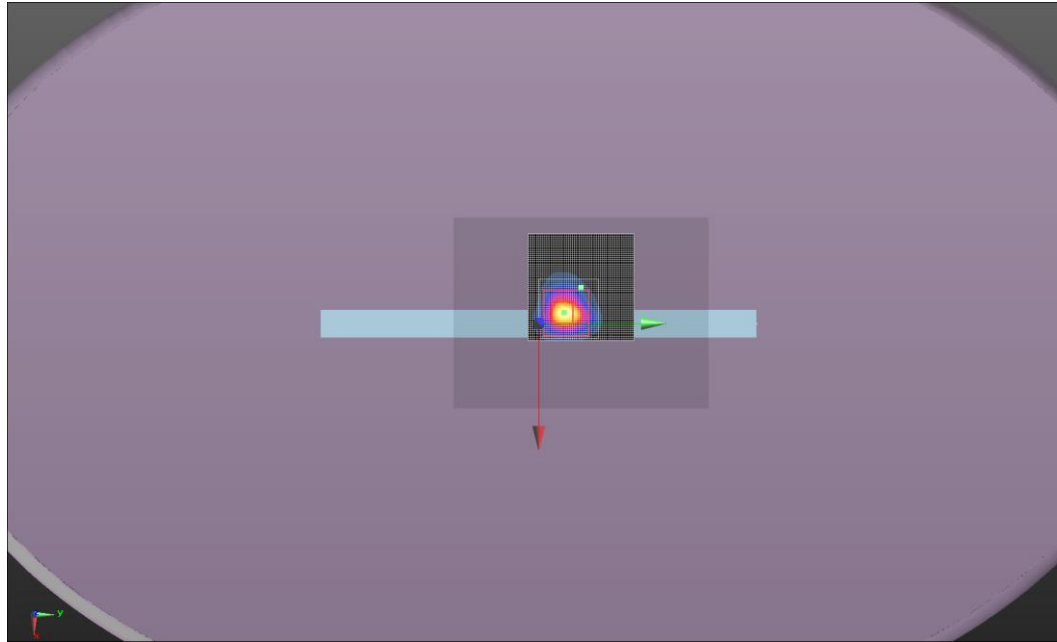
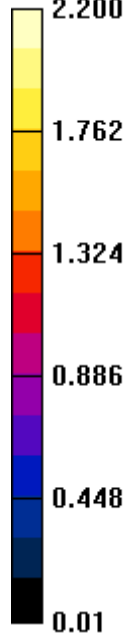
Maximum value of SAR (measured) = 0.297 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 153b  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	21.9
Date:	6/30/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	42.2
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.6
Comments:	Final Power Setting: 11.0		

## Test 154

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.752$  S/m;  $\epsilon_r = 46.464$ ;  $\rho = 1000$  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 = 18.14 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 5.94 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.362 W/kg**

Maximum value of SAR (measured) = 2.49 W/kg

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

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

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

Maximum value of Total (measured) = 8.961 V/m

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

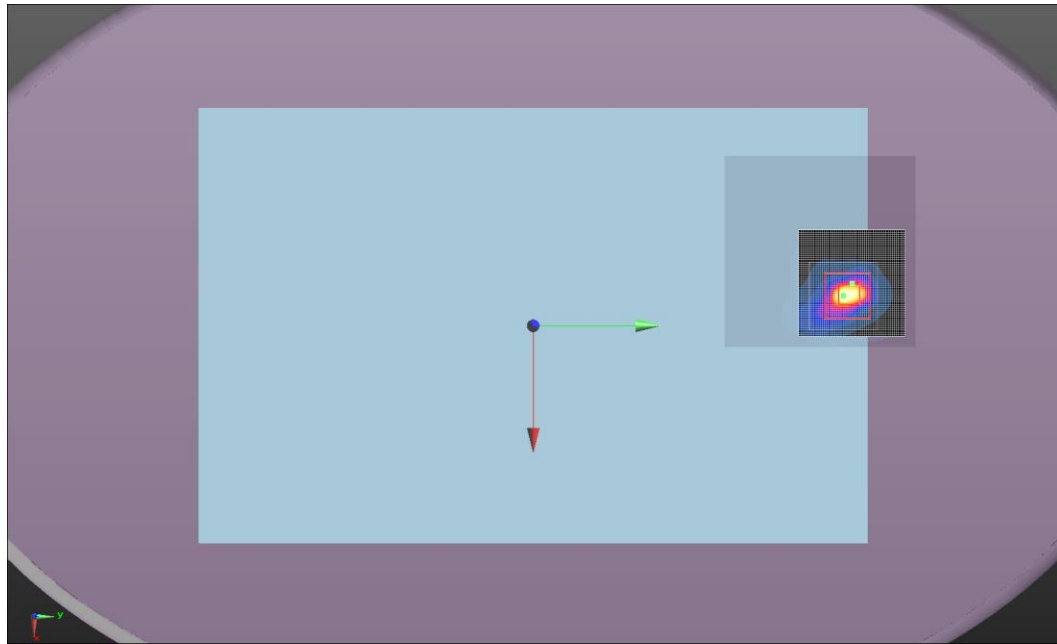
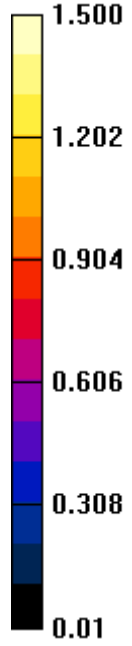
Maximum value of SAR (interpolated) = 1.70 W/kg

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

Approved By

# SAR TEST DATA – 5.6 GHz

Test 154  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	22.8
Date:	6/30/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	43.1
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.6
Comments:	Final Power Setting: 11.0		

## Test 154a

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

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

Frequency: 5670 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5670$  MHz;  $\sigma = 5.817$  S/m;  $\epsilon_r = 46.462$ ;  $\rho = 1000$  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 = 18.63 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.86 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.388 W/kg**

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

Maximum value of SAR (measured) = 2.81 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) = 1.13 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) = 9.028 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.](#)

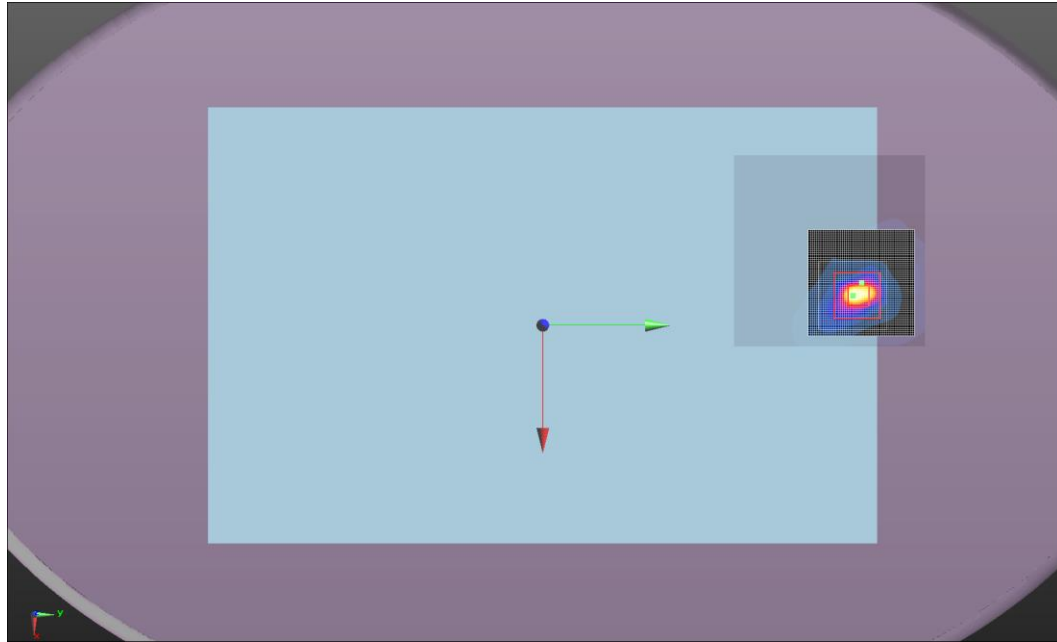
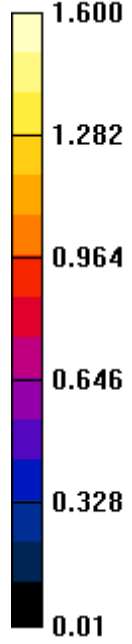
Maximum value of SAR (interpolated) = 1.76 W/kg

Maximum value of SAR (measured) = 0.474 W/kg

Approved By

# SAR TEST DATA – 5.6 GHz

Test 154a  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	22.9
Date:	6/30/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	45.3
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.2
Comments:	Final Power Setting: 11.0		

## Test 154b

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

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

Frequency: 5510 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5510$  MHz;  $\sigma = 5.742$  S/m;  $\epsilon_r = 46.622$ ;  $\rho = 1000$  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 = 18.21 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.64 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.370 W/kg**

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

Maximum value of SAR (measured) = 2.46 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) = 1.17 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) = 8.885 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.](#)

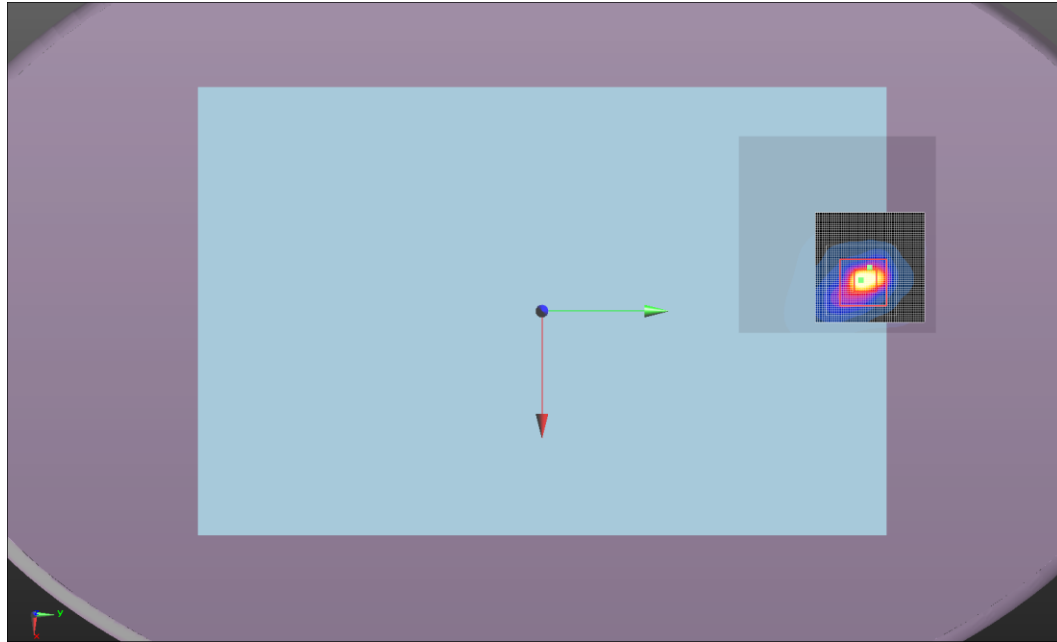
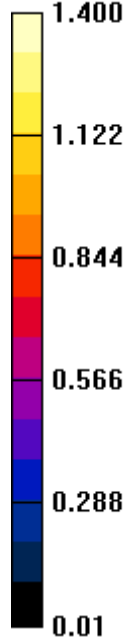
Maximum value of SAR (interpolated) = 1.73 W/kg

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

Approved By

# SAR TEST DATA – 5.6 GHz

Test 154b  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.7
Date:	7/9/2015	Liquid Temperature (°C):	20.6
Serial Number:	IASY515S0018	Humidity (%RH):	53
Configuration:	INTE5597-3	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 155a

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.836$  S/m;  $\epsilon_r = 48.163$ ;  $\rho = 1000$  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 = 13.82 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 4.59 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.088 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.0879 W/kg

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

Maximum value of Total (measured) = 5.796 V/m

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

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

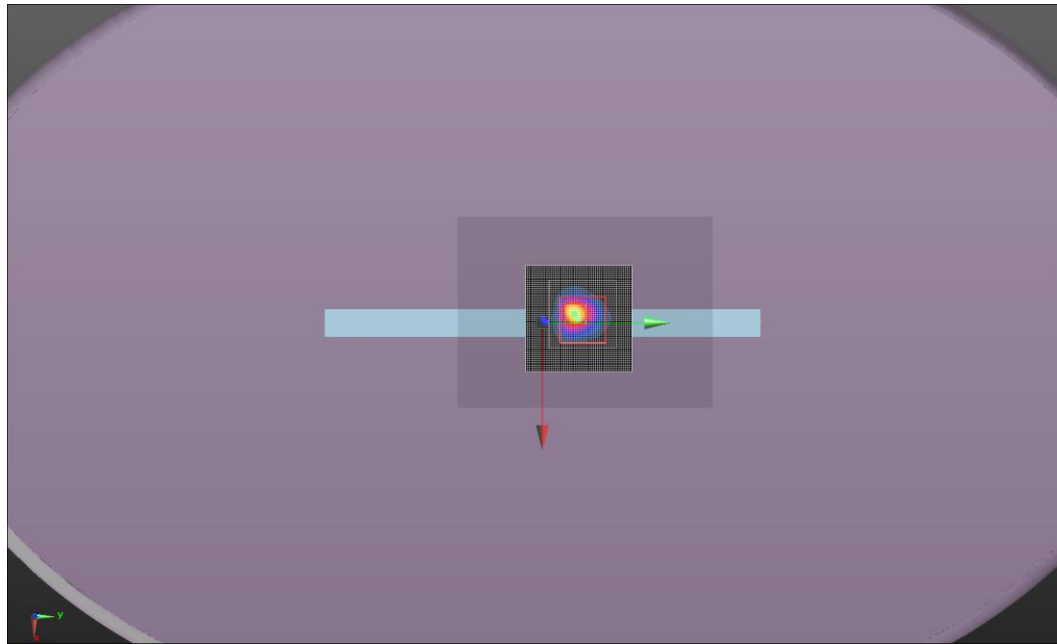
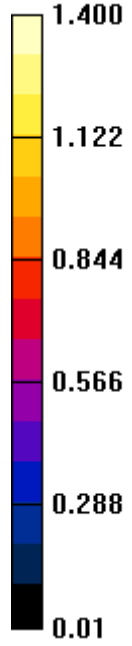
Maximum value of SAR (measured) = 0.196 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 155a  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.8
Date:	7/8/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 156

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.792$  S/m;  $\epsilon_r = 46.517$ ;  $\rho = 1000$  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 = 7.088 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.546 W/kg

**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.120 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.138 W/kg



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

Maximum value of Total (measured) = 5.127 V/m

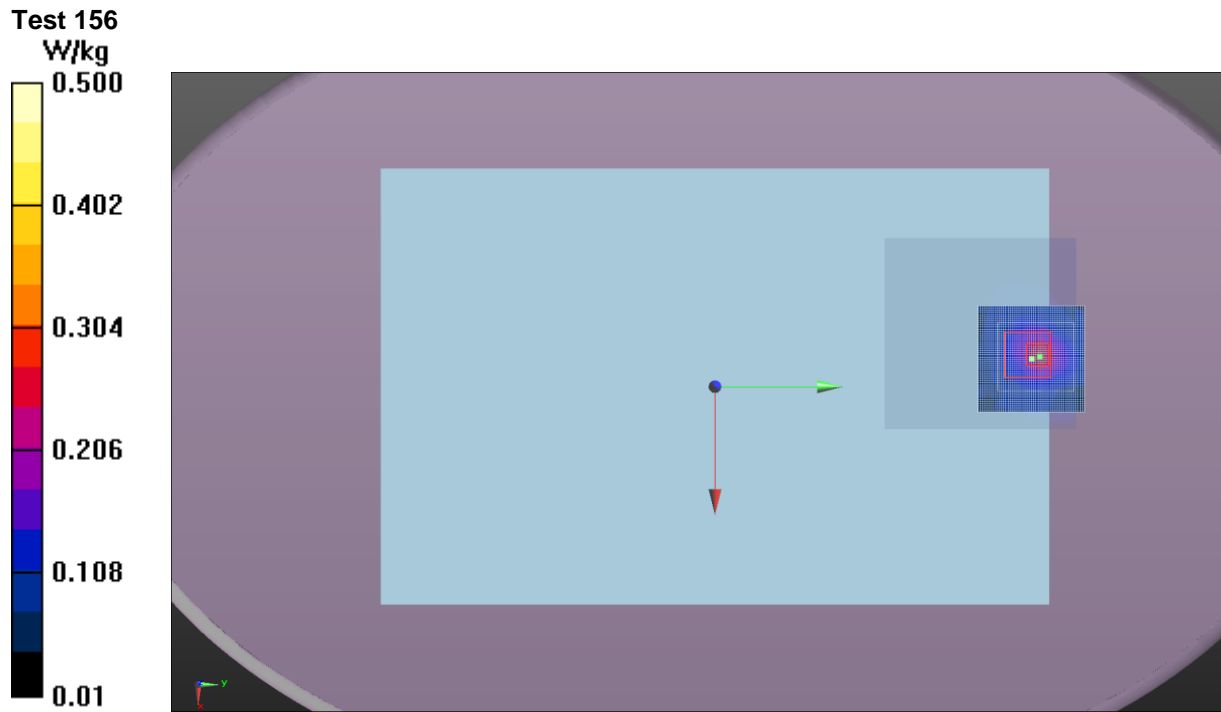
**Body/Body/Area scan (51x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (measured) = 0.152 W/kg

  
  
**Approved By**

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.5
Date:	7/9/2015	Liquid Temperature (°C):	21.4
Serial Number:	IASY515S0018	Humidity (%RH):	42.6
Configuration:	INTE5597-2	Bar. Pressure (mb):	1006.3
Comments:	Final Power Setting: 11.0		

## Test 157

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  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:

- 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 = 15.91 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.87 W/kg

**SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.201 W/kg**

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

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

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

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

Maximum value of SAR (interpolated) = 0.239 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) = 6.612 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.](#)

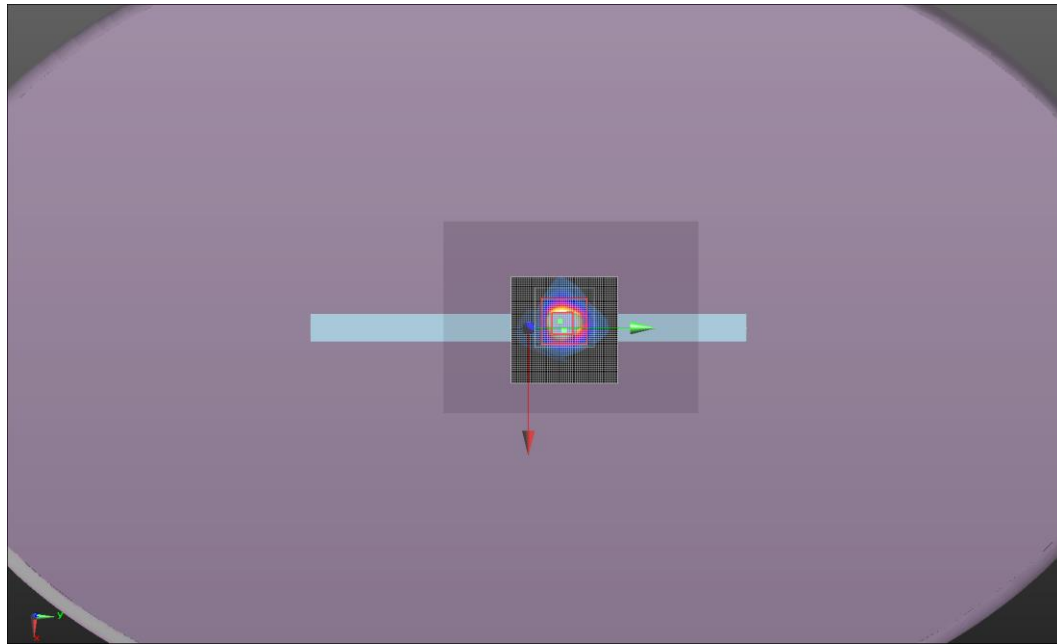
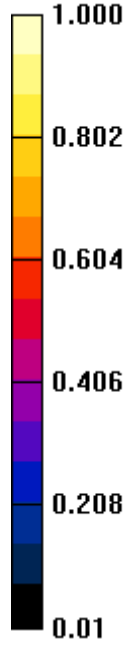
Maximum value of SAR (interpolated) = 1.80 W/kg

Maximum value of SAR (measured) = 0.254 W/kg

  
  
**Approved By**

# SAR TEST DATA – 5.6 GHz

Test 157  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	22.1
Date:	6/30/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	44.6
Configuration:	INTE5597-2	Bar. Pressure (mb):	1018.2
Comments:	Final Power Setting: 11.0		

## Test 158

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.49$  S/m;  $\epsilon_r = 46.901$ ;  $\rho = 1000$  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 = 16.75 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 4.64 W/kg

**SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.311 W/kg**

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

Maximum value of SAR (measured) = 2.01 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) = 0.909 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) = 8.235 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) = 1.39 W/kg

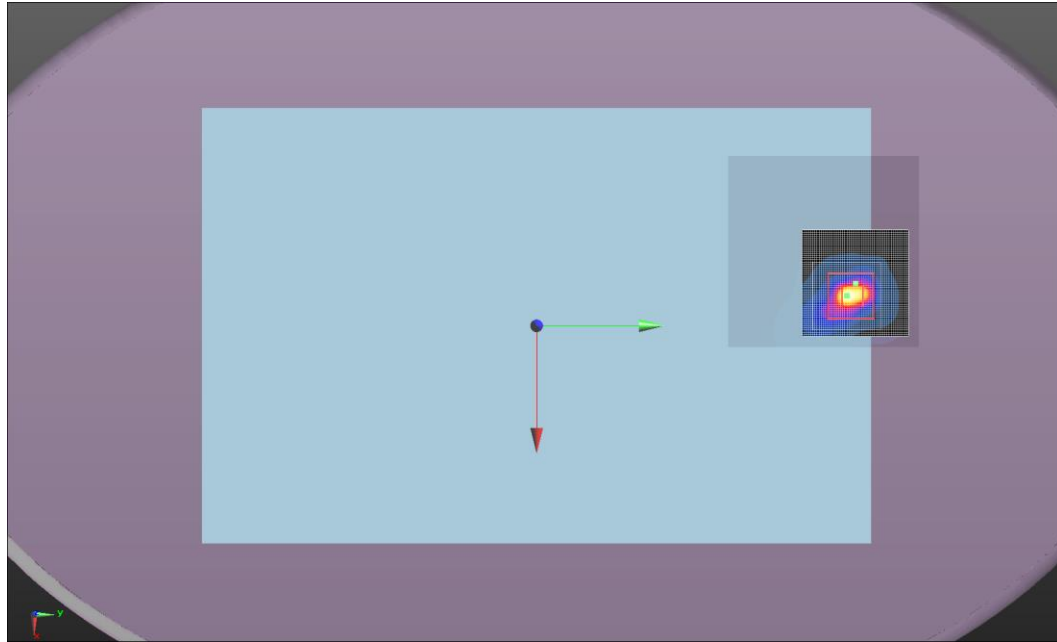
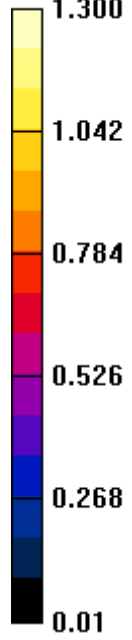
Maximum value of SAR (measured) = 0.372 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 158  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.9
Date:	7/9/2015	Liquid Temperature (°C):	21.3
Serial Number:	IASY515S0018	Humidity (%RH):	42
Configuration:	INTE5597-3	Bar. Pressure (mb):	1005
Comments:	Final Power Setting: 11.0		

## Test 159

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  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 = 13.48 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.93 W/kg

**SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.153 W/kg**

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

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

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

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

Maximum value of SAR (interpolated) = 0.110 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) = 5.496 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) = 1.24 W/kg

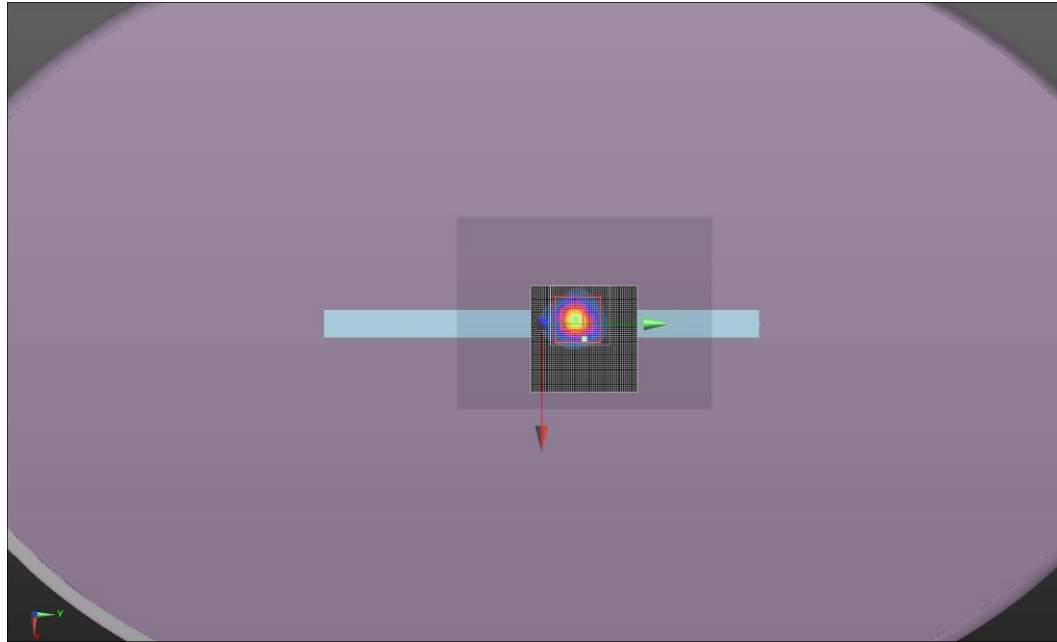
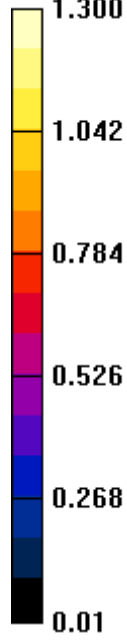
Maximum value of SAR (measured) = 0.176 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 159  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.8
Date:	7/8/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 11.0		

## Test 160

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.765$  S/m;  $\epsilon_r = 46.624$ ;  $\rho = 1000$  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 (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.716 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.134 W/kg**

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

Maximum value of SAR (measured) = 0.290 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) = 5.051 V/m

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

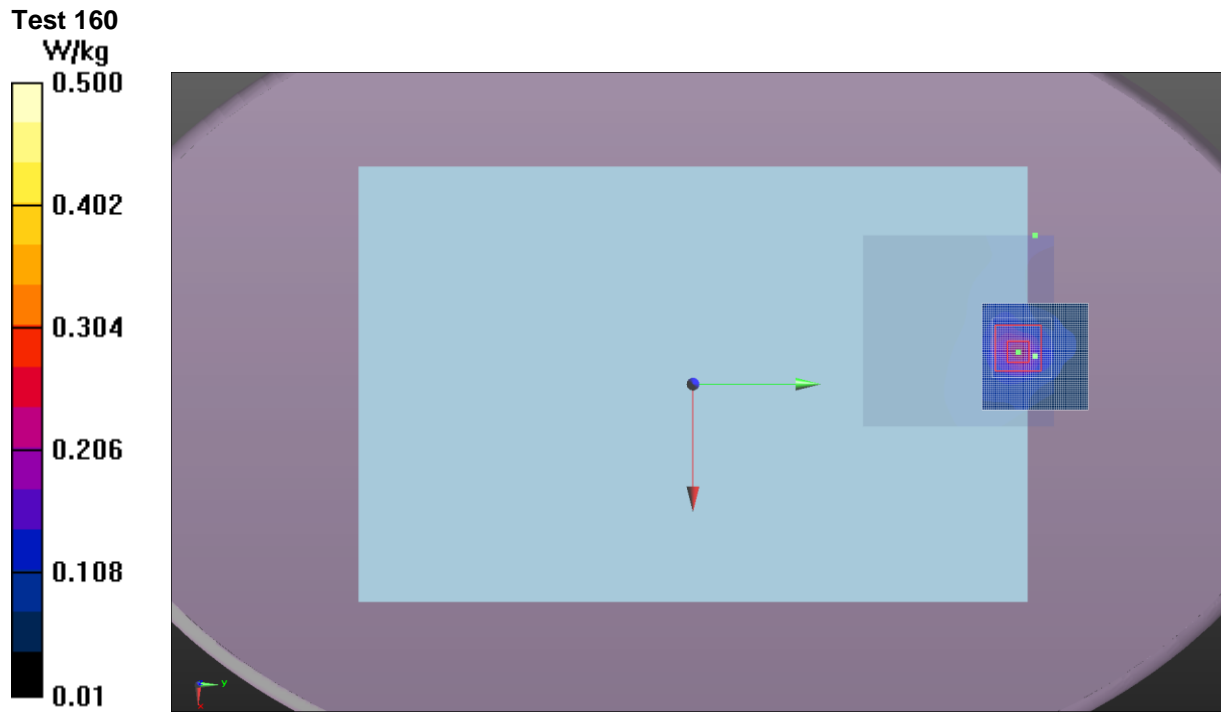
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.259 W/kg

Maximum value of SAR (measured) = 0.147 W/kg

   
Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/9/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	42
Configuration:	INTE5597-4	Bar. Pressure (mb):	1007.4
Comments:	Final Power Setting: 14.0		

## Test 161

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

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

Frequency: 5520 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5520$  MHz;  $\sigma = 5.811$  S/m;  $\epsilon_r = 48.355$ ;  $\rho = 1000$  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 = 9.755 V/m; Power Drift = 0.35 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.075 W/kg**

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

Maximum value of SAR (measured) = 0.707 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0459 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) = 4.339 V/m

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

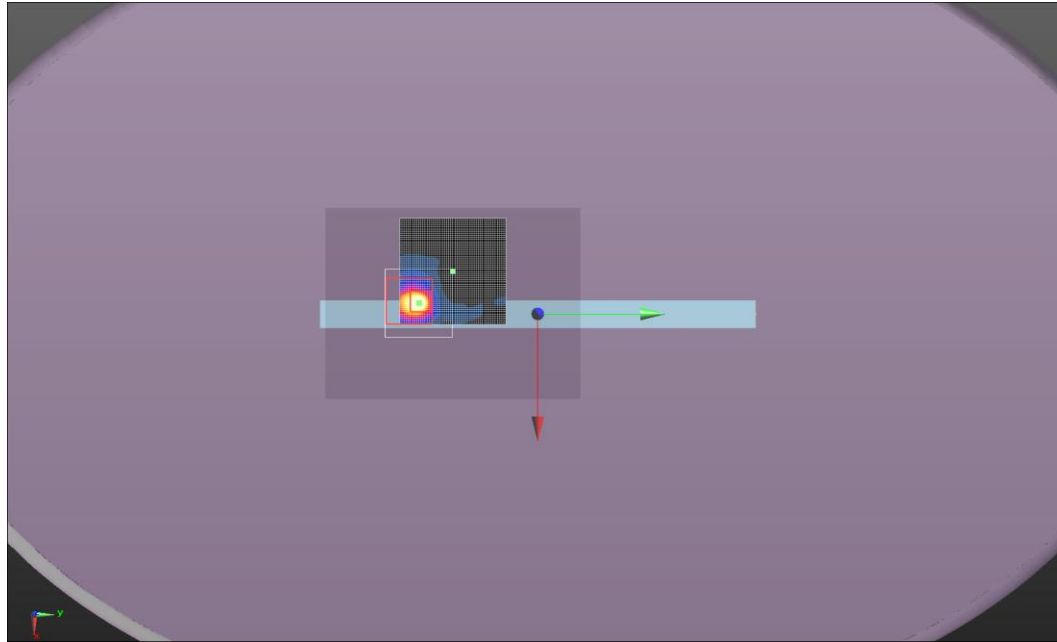
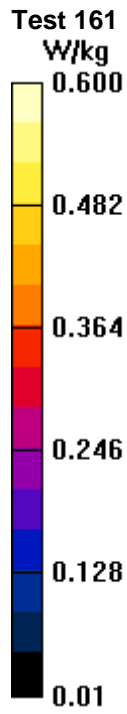
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.741 W/kg

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

Approved By

# SAR TEST DATA – 5.6 GHz





# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	24.2
Date:	6/30/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	45
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016
Comments:	Final Power Setting: 14.0		

## Test 162

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

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

Frequency: 5520 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5520$  MHz;  $\sigma = 5.481$  S/m;  $\epsilon_r = 46.952$ ;  $\rho = 1000$  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 = 15.52 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 3.80 W/kg

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.345 W/kg**

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

Maximum value of SAR (measured) = 1.69 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) = 0.463 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) = 8.063 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.](#)

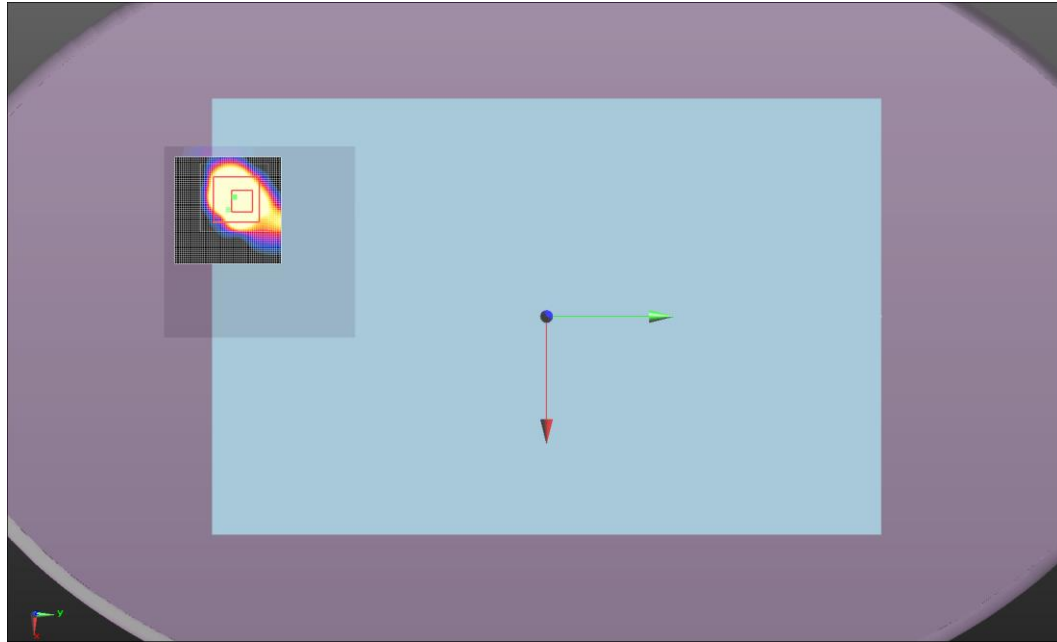
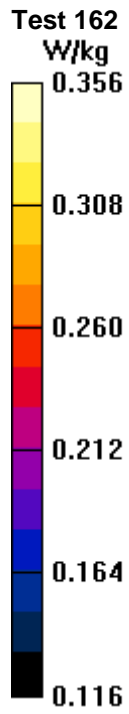
Maximum value of SAR (interpolated) = 1.42 W/kg

Maximum value of SAR (measured) = 0.356 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.3
Date:	6/30/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	43
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016
Comments:	Final Power Setting: 14.0		

## Test 162b

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

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

Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5580$  MHz;  $\sigma = 5.561$  S/m;  $\epsilon_r = 46.71$ ;  $\rho = 1000$  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 (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.86 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 4.52 W/kg

**SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.353 W/kg**

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

Maximum value of SAR (measured) = 1.62 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) = 0.515 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) = 6.798 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) = 1.41 W/kg

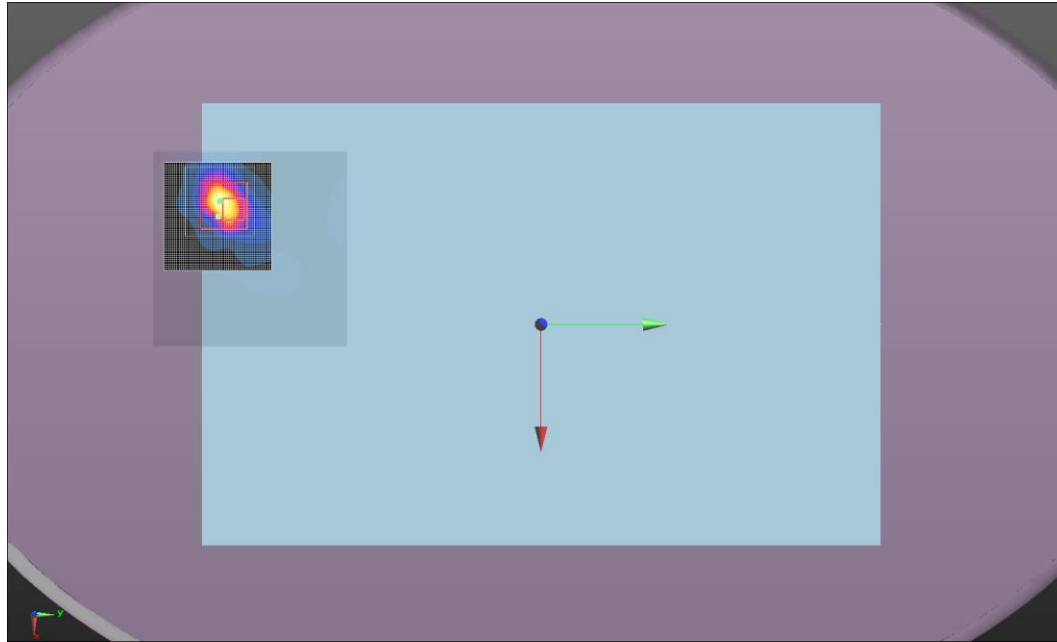
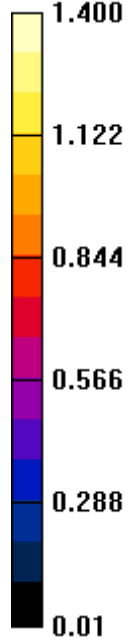
Maximum value of SAR (measured) = 0.257 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 162b  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.7
Date:	6/30/2015	Liquid Temperature (°C):	21.7
Serial Number:	IASY515S0018	Humidity (%RH):	56
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016
Comments:	Final Power Setting: 13.0		

## Test 162d

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

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

Frequency: 5680 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5680$  MHz;  $\sigma = 5.847$  S/m;  $\epsilon_r = 46.458$ ;  $\rho = 1000$  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 (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 15.83 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 6.92 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.512 W/kg**

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

Maximum value of SAR (measured) = 2.80 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) = 0.778 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) = 7.590 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

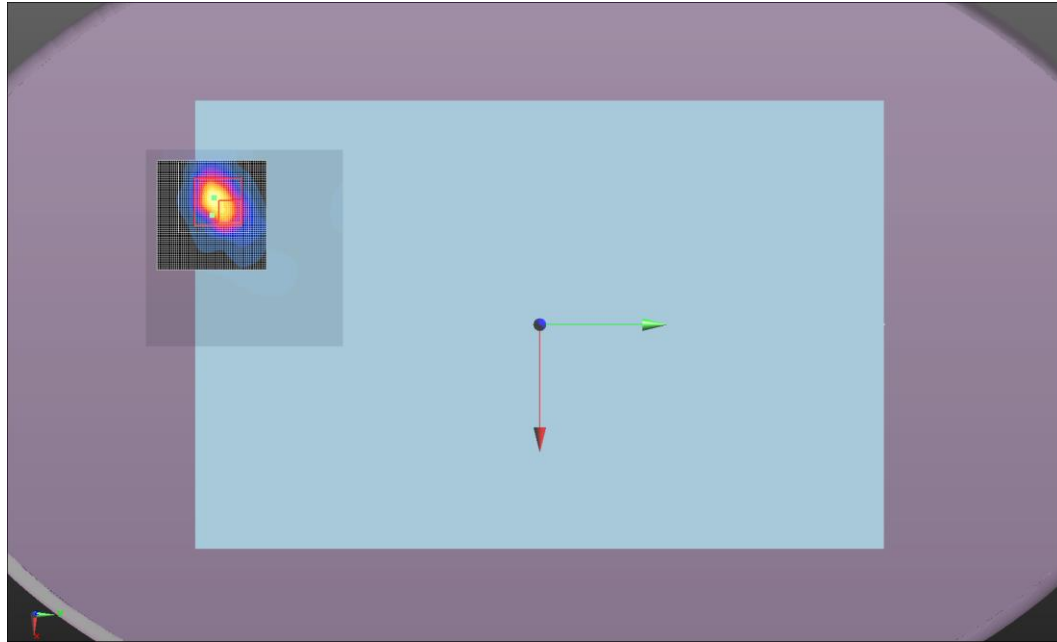
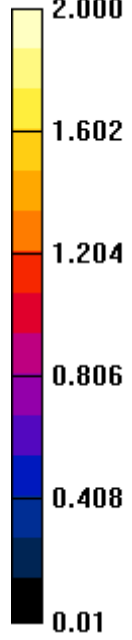
Maximum value of SAR (measured) = 0.337 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 162d  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.4
Date:	7/9/2015	Liquid Temperature (°C):	21.6
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-5	Bar. Pressure (mb):	1008.2
Comments:	Final Power Setting: 14.0		

## Test 163

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

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

Frequency: 5520 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5520$  MHz;  $\sigma = 5.811$  S/m;  $\epsilon_r = 48.355$ ;  $\rho = 1000$  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:

- 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 = 8.353 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.063 W/kg**

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

Maximum value of SAR (measured) = 0.536 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0695 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) = 3.332 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) = 0.537 W/kg

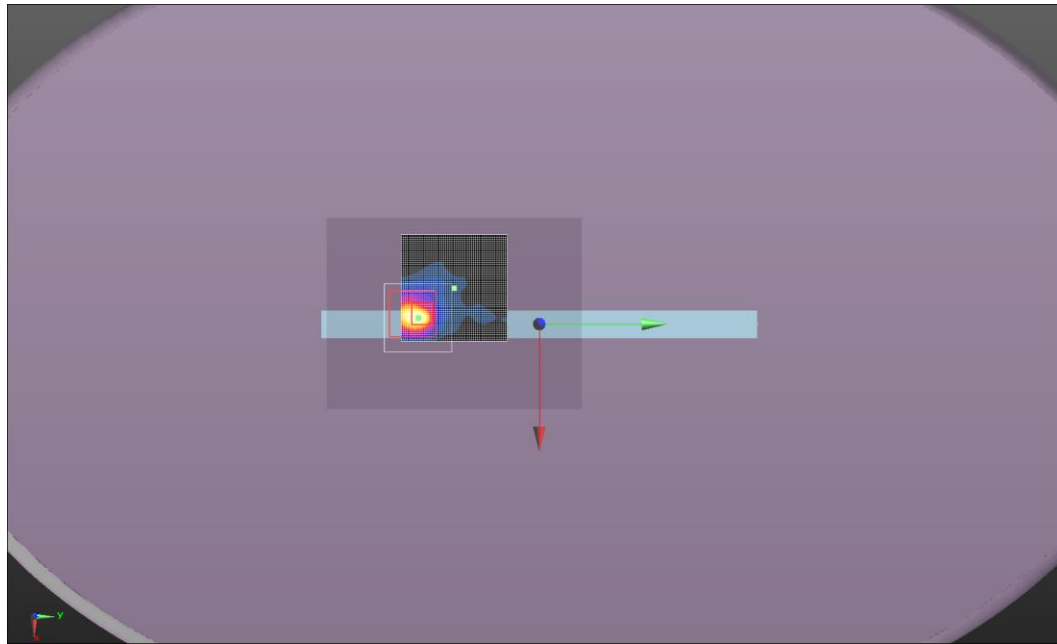
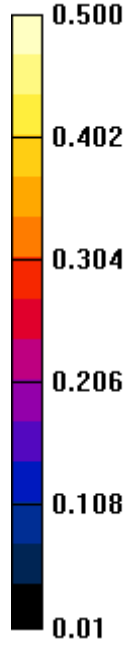
Maximum value of SAR (measured) = 0.0645 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 163  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.8
Date:	7/8/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 13.0		

## Test 164

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

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

Frequency: 5520 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5520$  MHz;  $\sigma = 5.757$  S/m;  $\epsilon_r = 46.666$ ;  $\rho = 1000$  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 = 7.803 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.670 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.157 W/kg**

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

Maximum value of SAR (measured) = 0.369 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) = 0.264 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) = 5.774 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.](#)

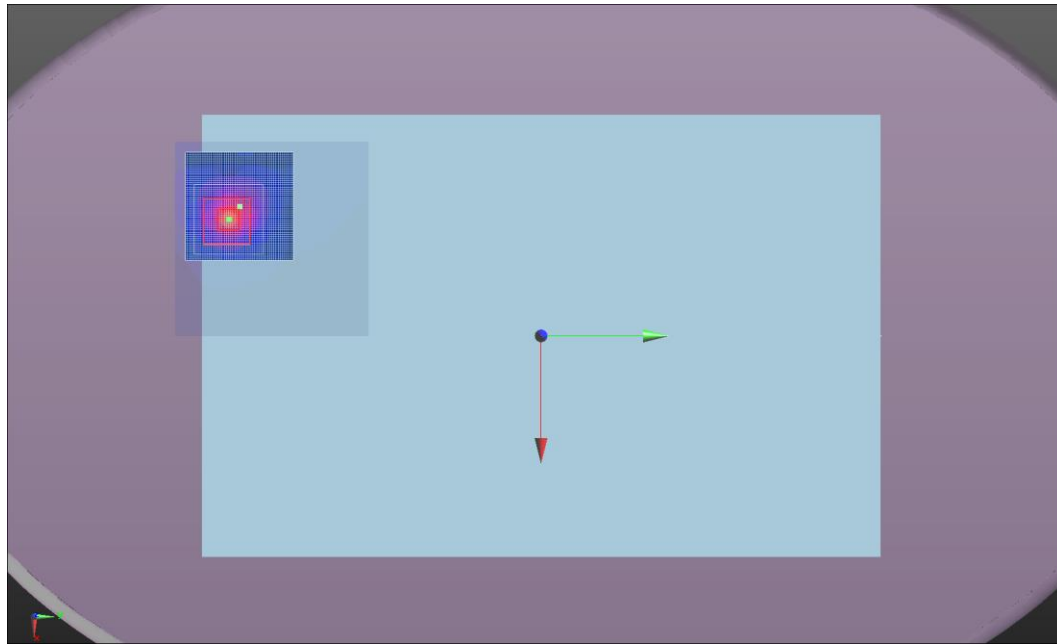
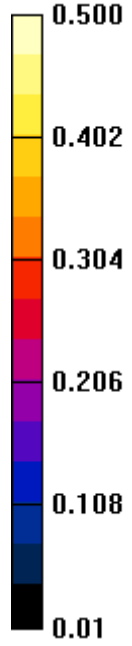
Maximum value of SAR (interpolated) = 0.363 W/kg

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

   
Approved By

# SAR TEST DATA – 5.6 GHz

Test 164  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.8
Date:	7/9/2015	Liquid Temperature (°C):	22
Serial Number:	IASY515S0018	Humidity (%RH):	44.6
Configuration:	INTE5597-4	Bar. Pressure (mb):	1008.1
Comments:	Final Power Setting: 14.0		

## Test 165

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.836$  S/m;  $\epsilon_r = 48.163$ ;  $\rho = 1000$  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 = 9.583 V/m; Power Drift = 0.41 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.080 W/kg**

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

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

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



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

Maximum value of Total (measured) = 4.162 V/m

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

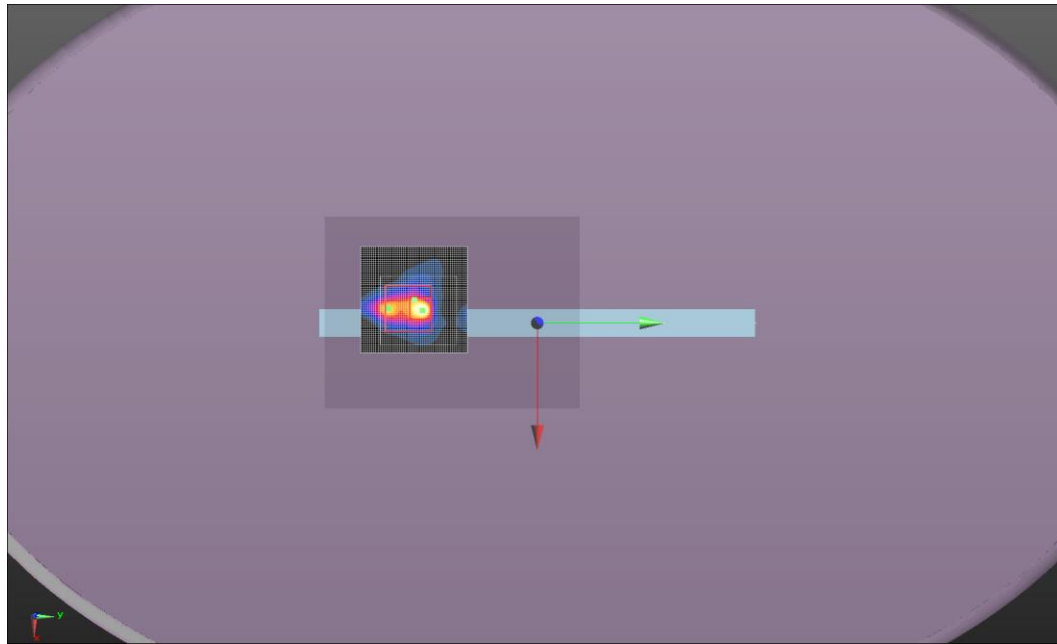
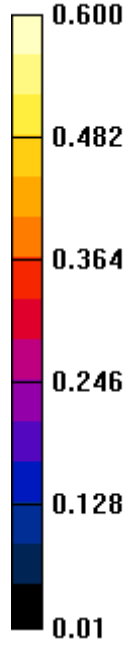
Maximum value of SAR (interpolated) = 0.712 W/kg

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

   
**Approved By**

# SAR TEST DATA – 5.6 GHz

Test 165  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	22.9
Date:	6/30/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	56
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016
Comments:	Final Power Setting: 14.0		

## Test 166

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.546$  S/m;  $\epsilon_r = 46.769$ ;  $\rho = 1000$  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 = 13.31 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 3.23 W/kg

**SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.323 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.460 W/kg

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

Maximum value of Total (measured) = 7.132 V/m

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

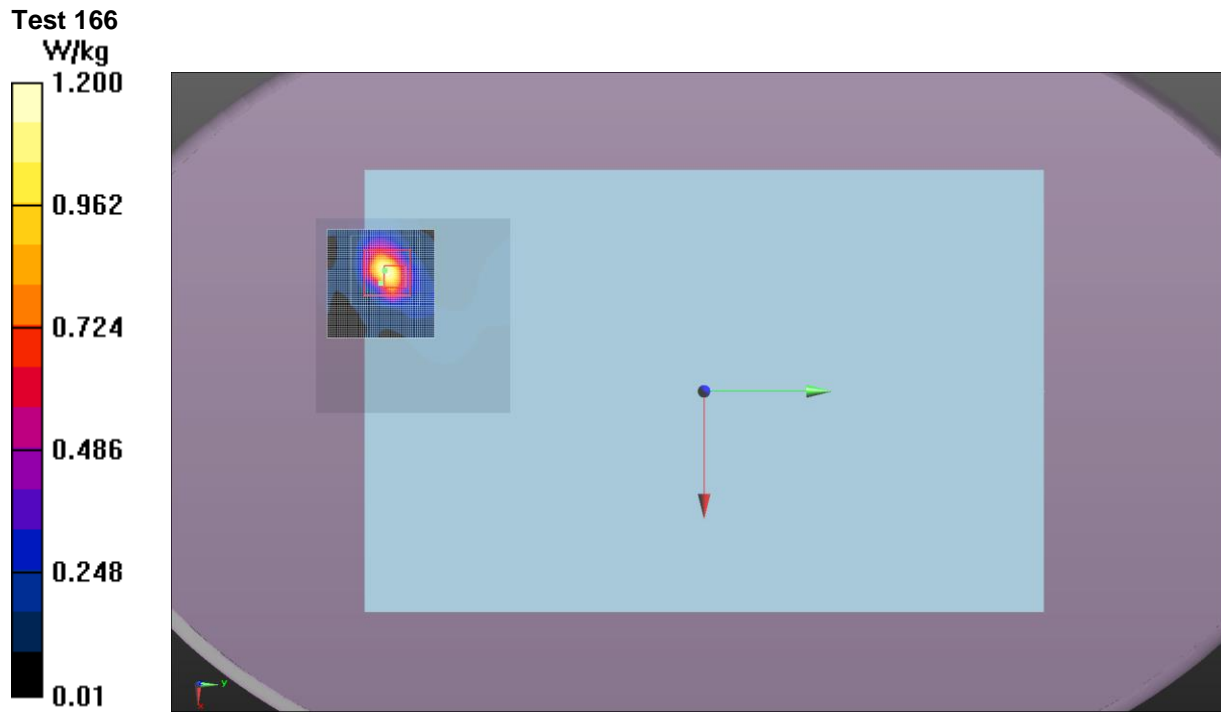
Maximum value of SAR (interpolated) = 1.18 W/kg

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



Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.6
Date:	7/9/2015	Liquid Temperature (°C):	21.9
Serial Number:	IASY515S0018	Humidity (%RH):	43.6
Configuration:	INTE5597-5	Bar. Pressure (mb):	1007.5
Comments:	Final Power Setting: 14.0		

**Test 167**

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550 \text{ MHz}$ ;  $\sigma = 5.836 \text{ S/m}$ ;  $\epsilon_r = 48.163$ ;  $\rho = 1000 \text{ kg/m}^3$ , Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: 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:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 7.638 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.564 W/kg

**Body/Body/Reference scan (31x41x1):** Interpolated grid:  $dx=3.000 \text{ mm}$ ,  $dy=3.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0769 W/kg



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

Maximum value of Total (measured) = 2.891 V/m

**Body/Body/Area scan (51x51x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

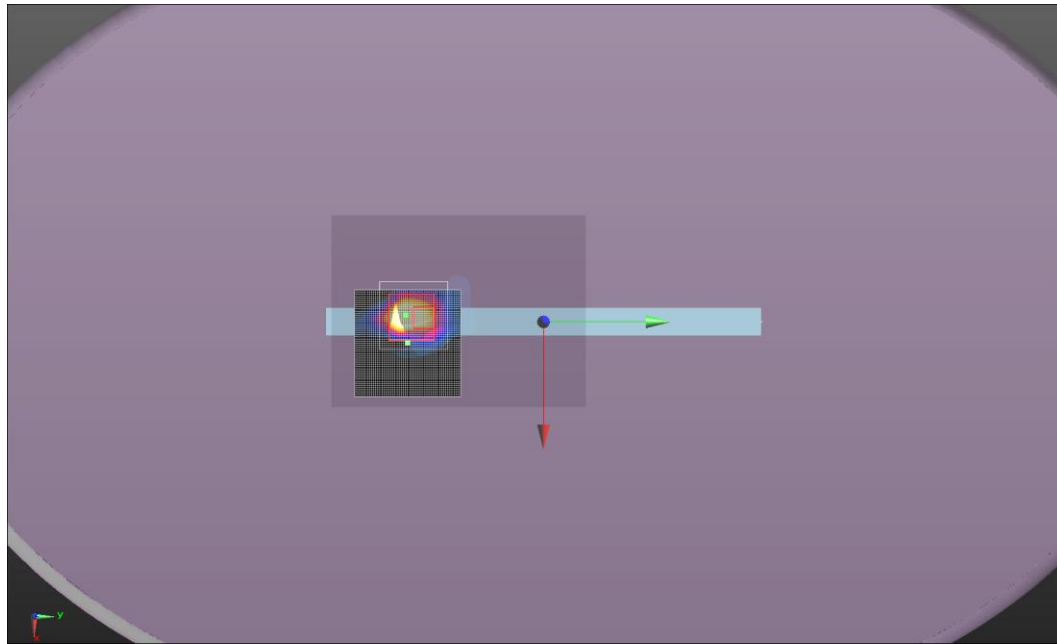
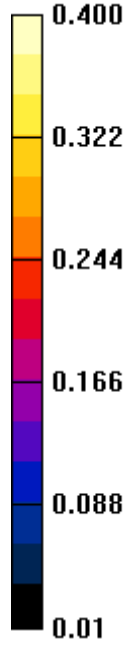
Maximum value of SAR (interpolated) = 0.575 W/kg

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

   
**Approved By**

# SAR TEST DATA – 5.6 GHz

Test 167  
W/kg





# SAR TEST DATA – 5.6 GHz

Tested By:	Ethan Schoonover	Room Temperature (°C):	24.8
Date:	7/8/2015	Liquid Temperature (°C):	22.2
Serial Number:	IASY515S0018	Humidity (%RH):	42.4
Configuration:	INTE5597-1	Bar. Pressure (mb):	1010
Comments:	Final Power Setting: 14.0		

## Test 168

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

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

Frequency: 5550 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.792$  S/m;  $\epsilon_r = 46.517$ ;  $\rho = 1000$  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 = 7.444 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 0.668 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.157 W/kg**

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

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

Maximum value of SAR (interpolated) = 0.232 W/kg



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

Maximum value of Total (measured) = 5.664 V/m

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

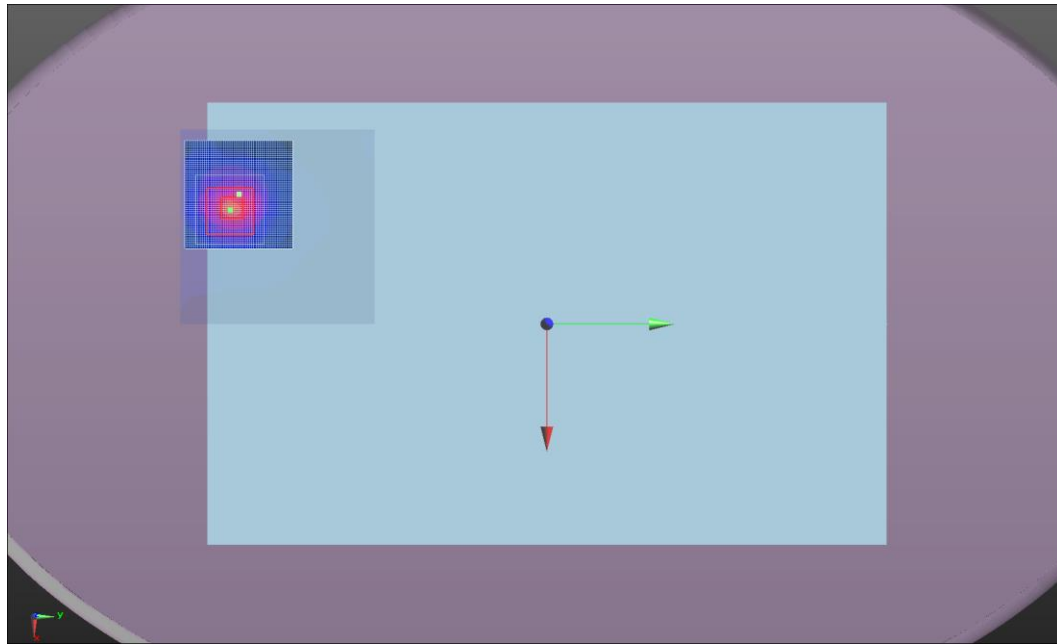
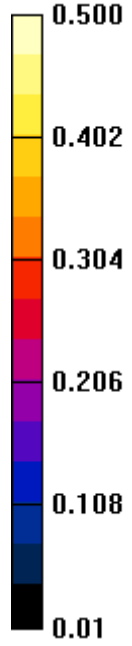
Maximum value of SAR (interpolated) = 0.354 W/kg

Maximum value of SAR (measured) = 0.186 W/kg

   
**Approved By**

# SAR TEST DATA – 5.6 GHz

Test 168  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/9/2015	Liquid Temperature (°C):	22.3
Serial Number:	IASY515S0018	Humidity (%RH):	45.5
Configuration:	INTE5597-4	Bar. Pressure (mb):	1008.2
Comments:	Final Power Setting: 12.0		

## Test 169

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  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 = 8.281 V/m; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.063 W/kg**

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

Maximum value of SAR (measured) = 0.510 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0352 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) = 3.588 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) = 0.602 W/kg

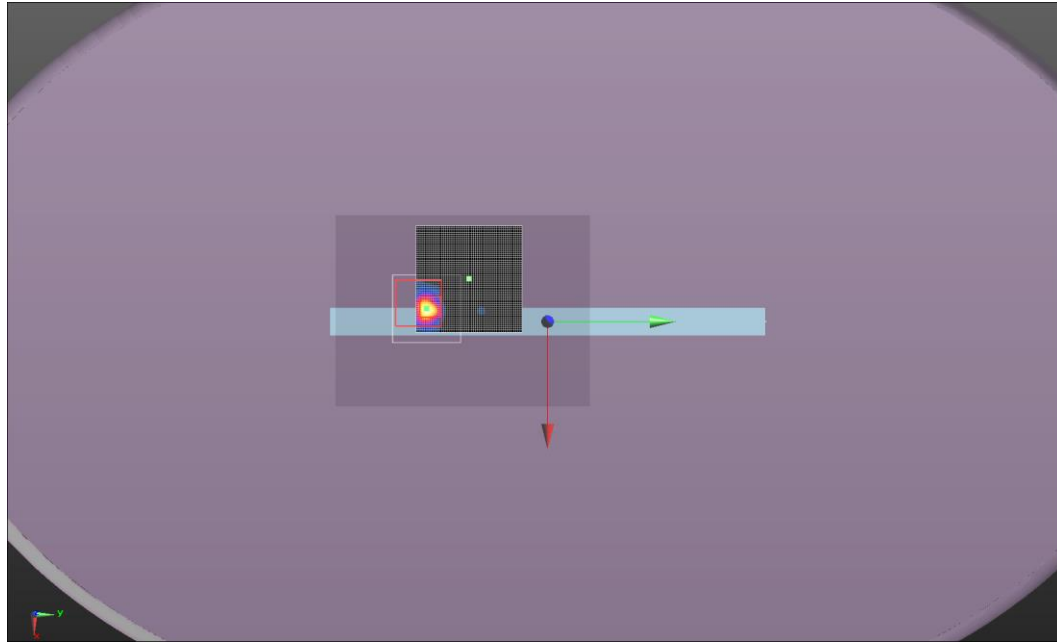
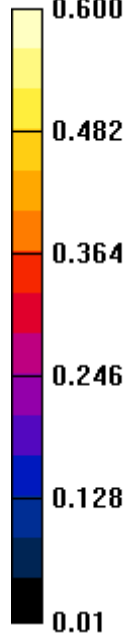
Maximum value of SAR (measured) = 0.0749 W/kg




Approved By

# SAR TEST DATA – 5.6 GHz

Test 169  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Carl Engholm	Room Temperature (°C):	23.6
Date:	6/30/2015	Liquid Temperature (°C):	21.8
Serial Number:	IASY515S0018	Humidity (%RH):	56
Configuration:	INTE5597-2	Bar. Pressure (mb):	1016
Comments:	Final Power Setting: 12.0		

## Test 170

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.49$  S/m;  $\epsilon_r = 46.901$ ;  $\rho = 1000$  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 = 13.35 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.78 W/kg

**SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.261 W/kg**

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

Maximum value of SAR (measured) = 1.15 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) = 0.367 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) = 6.990 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) = 1.01 W/kg

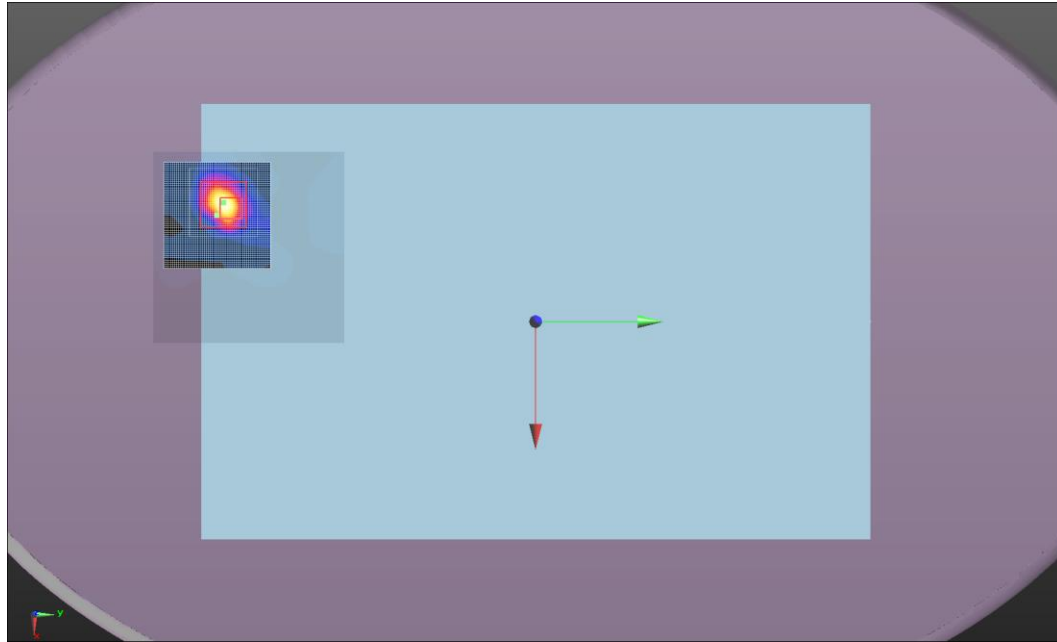
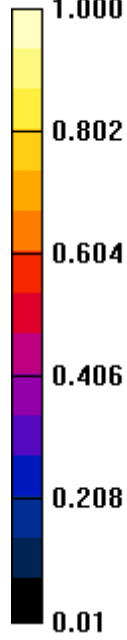
Maximum value of SAR (measured) = 0.268 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz

Test 170  
W/kg



# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.3
Date:	7/9/2015	Liquid Temperature (°C):	22.3
Serial Number:	IASY515S0018	Humidity (%RH):	45.8
Configuration:	INTE5597-5	Bar. Pressure (mb):	1008.2
Comments:	Final Power Setting: 12.0		

## Test 171

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  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 = 7.052 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 0.672 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.049 W/kg**

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

Maximum value of SAR (measured) = 0.352 W/kg

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

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

Maximum value of SAR (interpolated) = 0.0415 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) = 2.761 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.](#)

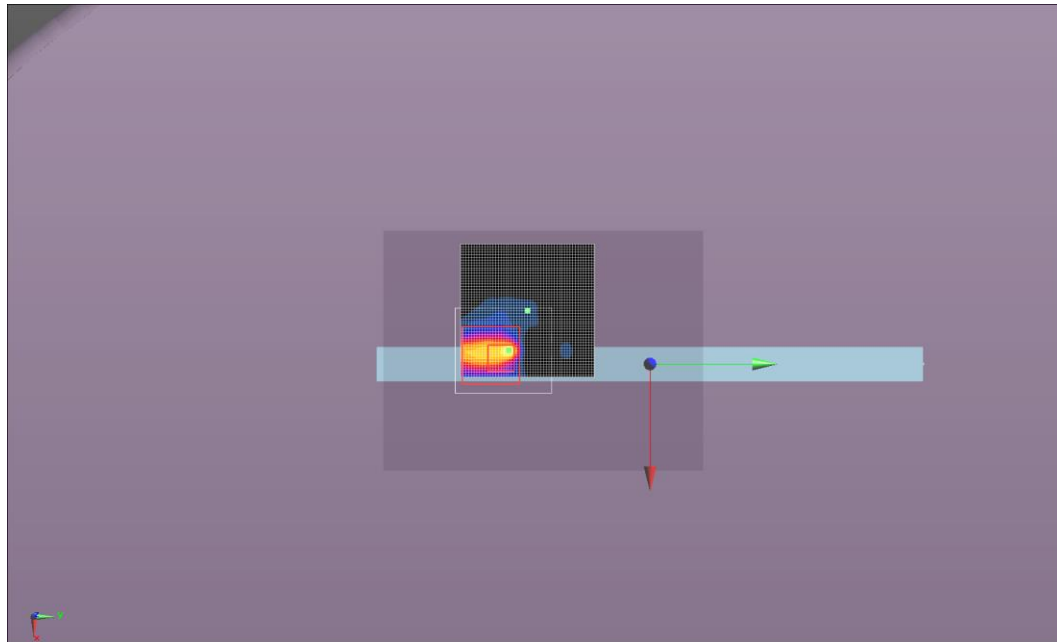
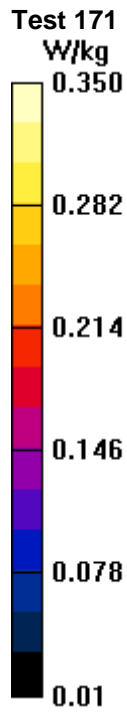
Maximum value of SAR (interpolated) = 0.343 W/kg

Maximum value of SAR (measured) = 0.0444 W/kg



Approved By

# SAR TEST DATA – 5.6 GHz





# SAR TEST DATA – 5.6 GHz

Tested By:	Luke Richardson and Ethan Schoonover	Room Temperature (°C):	23.7
Date:	7/9/2015	Liquid Temperature (°C):	22.3
Serial Number:	IASY515S0018	Humidity (%RH):	46.9
Configuration:	INTE5597-1	Bar. Pressure (mb):	1008.1
Comments:	Final Power Setting: 12.0		

## Test 172

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

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

Frequency: 5530 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 5530$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  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:

- 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 = 7.237 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.553 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.149 W/kg**

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

Maximum value of SAR (measured) = 0.314 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) = 0.115 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) = 5.715 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.](#)

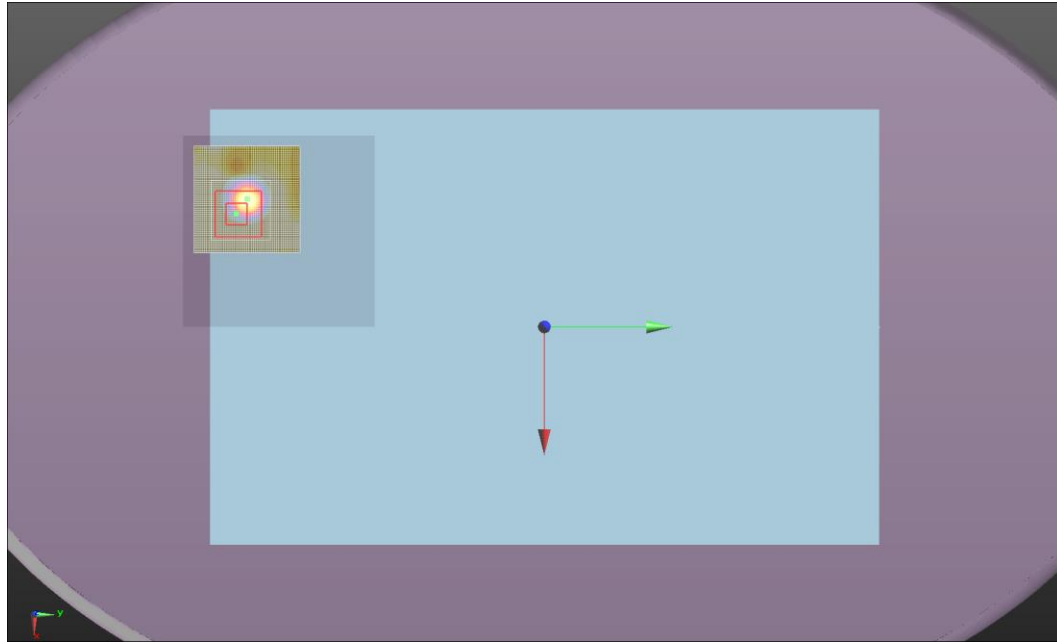
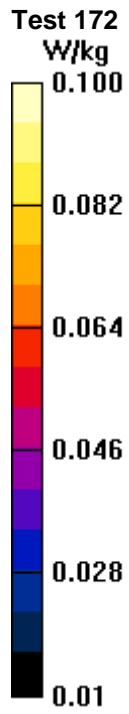
Maximum value of SAR (interpolated) = 0.306 W/kg

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



Approved By

# SAR TEST DATA – 5.6 GHz



# SAR TEST DATA – 5.6 GHz

Test 154a - 1g SAR

