

ii) WLAN 5180MHz-5240MHz

**m52-5(tablet,w52(130424)/(mimo)ant=0&1,Tablet-right-edge&d=0mm,11n(40HT)(MCS8),m5230(46ch)**

Date/Time: 2013/04/24 15:40:49

**Communication System: IEEE 802.11n(40HT)(MCS8, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.466$  S/m;  $\epsilon_r = 46.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-5,(mimo,bw:40MHz)ant=0&1,right&d=0mm,11n40(mcs8),m5230/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.281 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

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

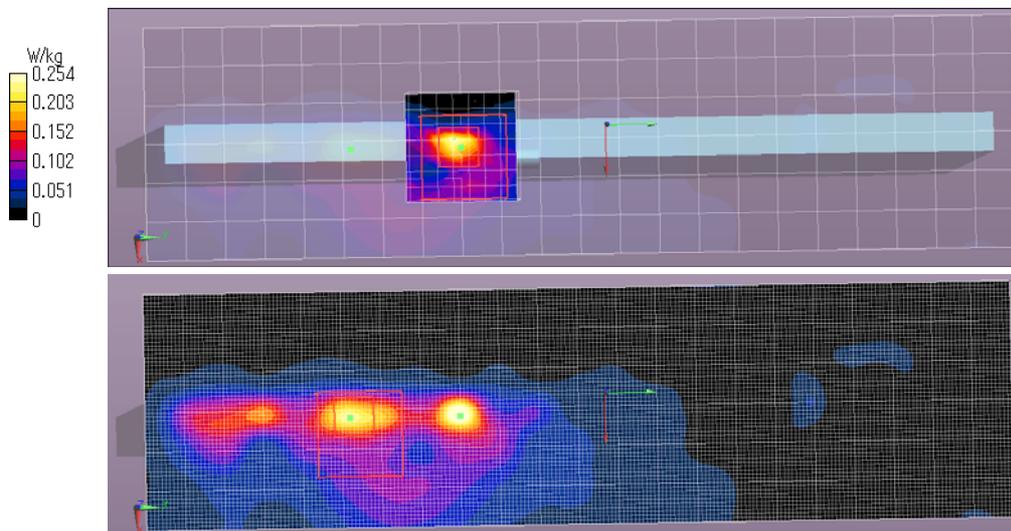
**Fast SAR: SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.029 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 7.914 V/m; Power Drift = -0.05 dB, Maximum value of SAR (measured) = 0.254 W/kg

Peak SAR (extrapolated) = 0.587 mW/g

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.037 mW/g**



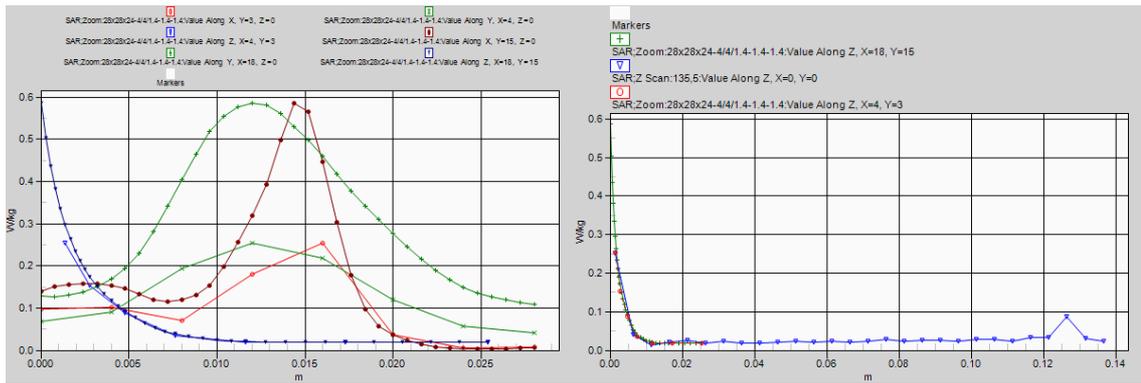
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
 \*. liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5 \text{ deg.C.} / 40 \pm 5 \% \text{ RH}$ ,  
 \*. liquid temperature: 23.5(start)/23.5(end)/23.9(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m52-8(tablet,w52(130426)/(mimo)ant=0&1,Tablet-Rear&d=0mm,11n40(mcs8),m5230(46ch)**

Date/Time: 2013/04/26 9:56:18

**Communication System: IEEE 802.11n(40HT) (MCS8, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.509$  S/m;  $\epsilon_r = 47.05$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130425)/m52-8,(mimo)ant=0&1,rear&d=0mm,11n40(mcs8),m5230/**

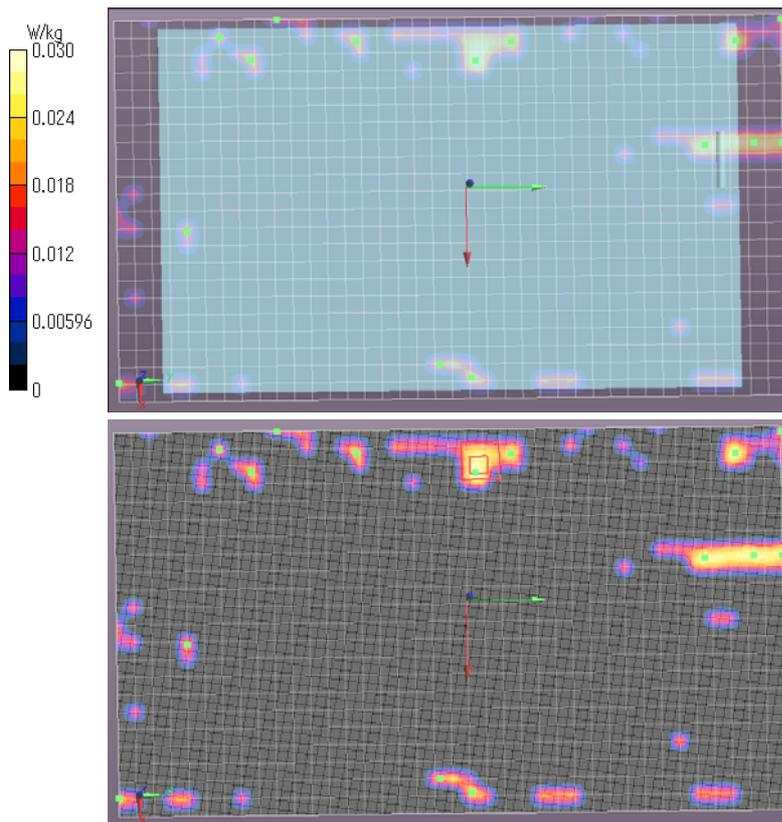
**Area Scan:220x380,10 (23x39x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 0.0248 W/kg

**Area Scan:220x380,10 (221x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.0298 W/kg

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00486 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

Remarks: \* . Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
\* .liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$ deg.C. /  $50 \pm 5$  %RH,  
\* .liquid temperature: 23.6(start)/23.8(end)/24.4(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g )/small=SAR(1g)

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**m52-1(laptopt,w52(130424)/(mimo)ant=0&1,Laptop-Bottom&d=0mm,11n40(mcs8),m5230(46ch)**

Date/Time: 2013/04/24 12:25:39

**Communication System: IEEE 802.11n(40HT)(MCS8, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.466$  S/m;  $\epsilon_r = 46.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$   
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**laptop,w52(13.0424)/m52-1,laptop,(mimo)ant=0&1,laptop-btm&d=0mm,11n40(mcs8),m5230/**

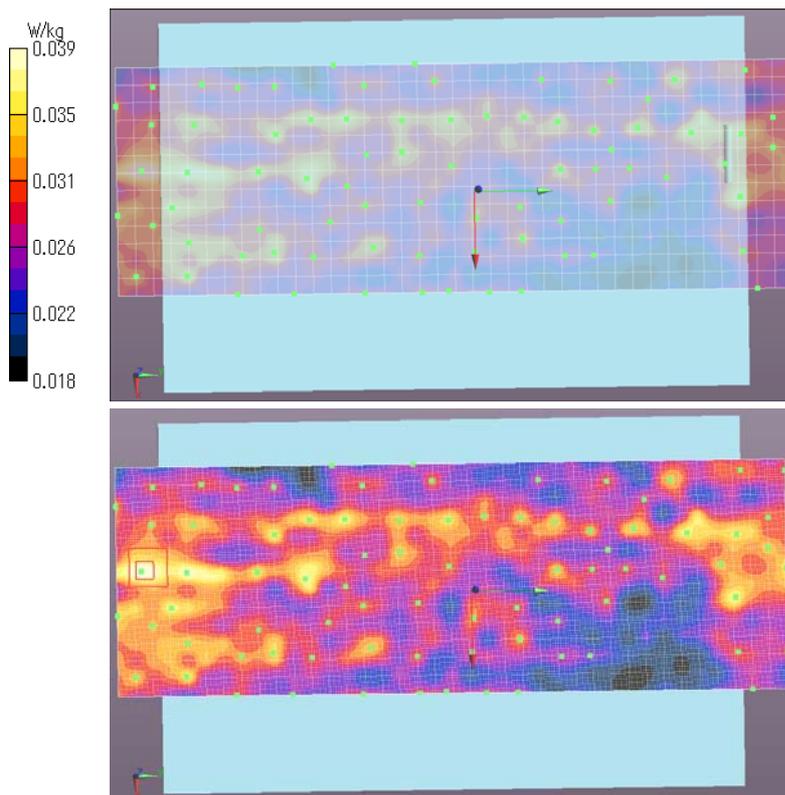
**Area Scan:130x380,10 (14x39x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 0.0381 W/kg

**Area Scan:130x380,10 (131x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.0388 W/kg

**Fast SAR: SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00823 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $40 \pm 5$  %RH,  
\*. liquid temperature: 23.2(start)/23.4(end)/24.2(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

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**m52-9(tablet,w52(130426)/(mimo)ant=0&1,Tablet-Bottom-Edge&d=0mm,11n40(mcs8),m5230(46ch)**

Date/Time: 2013/04/26 11:32:45

**Communication System: IEEE 802.11n(40HT) (MCS8, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.509$  S/m;  $\epsilon_r = 47.05$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130425)/m52-9,(mimo)ant=0&1,btm-edge&d=0mm,11n40(mcs8),m5230/**

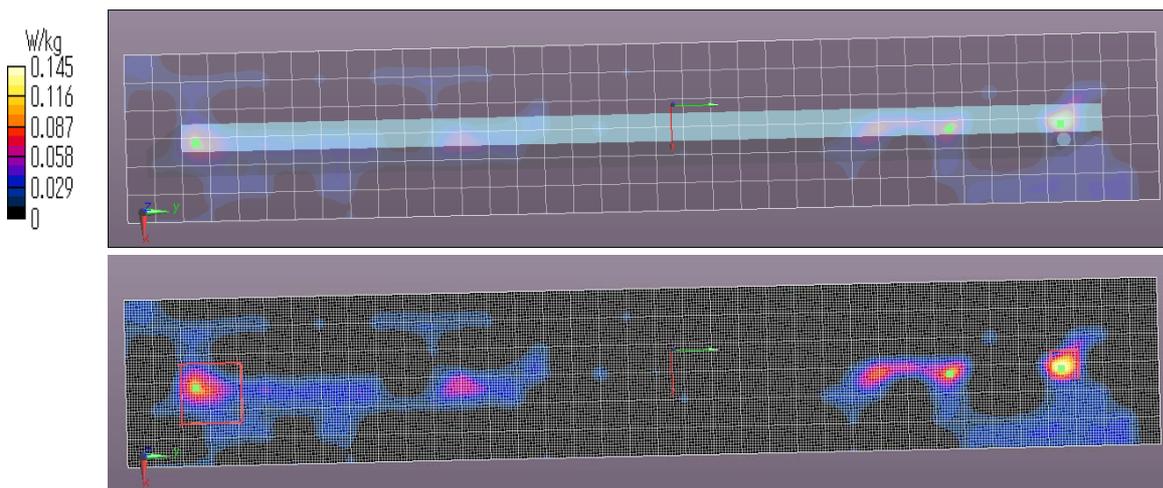
**Area Scan:60x370,10 (7x38x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 0.0871 W/kg

**Area Scan:60x370,10 (61x371x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

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

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.00893 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,  
\*. liquid temperature: 23.6(start)/23.8(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

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**m52-2(tablet,w52(130424)/(miso)ant=0,Tablet-right-edge&d=0mm,11a(6Mbps),m5240(48ch)**

Date/Time: 2013/04/24 13:46:11

**Communication System: IEEE 802.11a(6Mbps, BPSK/OFDM); Frequency: 5240 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 47.037$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-2,(miso)ant=0,right&d=0mm,11a(6m),m5240/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 0.426 W/kg

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.499 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

Maximum value of SAR (measured) = 0.435 W/kg

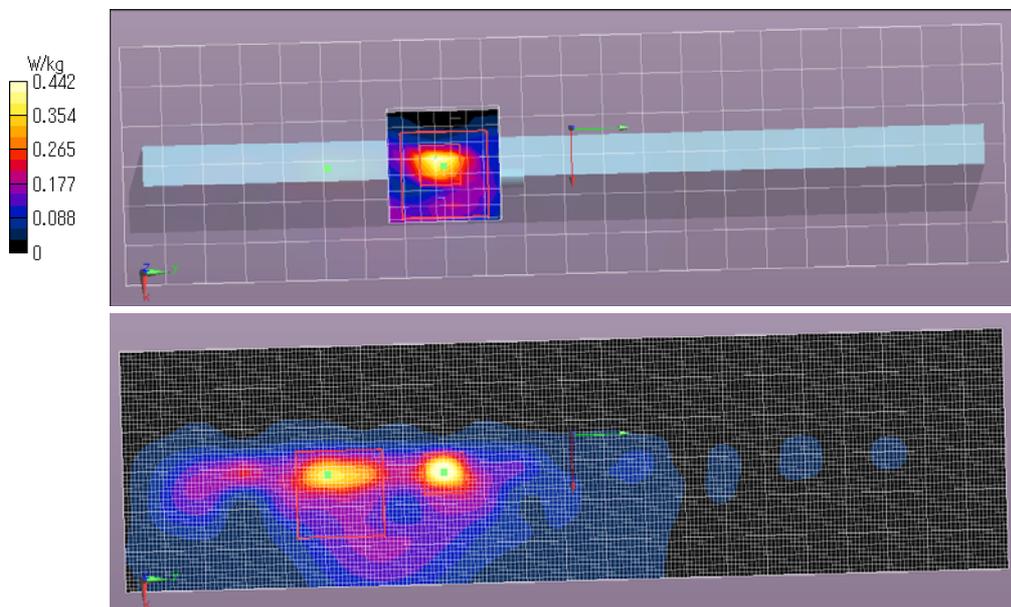
**Fast SAR: SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.047 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 10.561 V/m; Power Drift = -0.01 dB, Maximum value of SAR (measured) = 0.442 W/kg

Peak SAR (extrapolated) = 1.078 mW/g

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.060 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

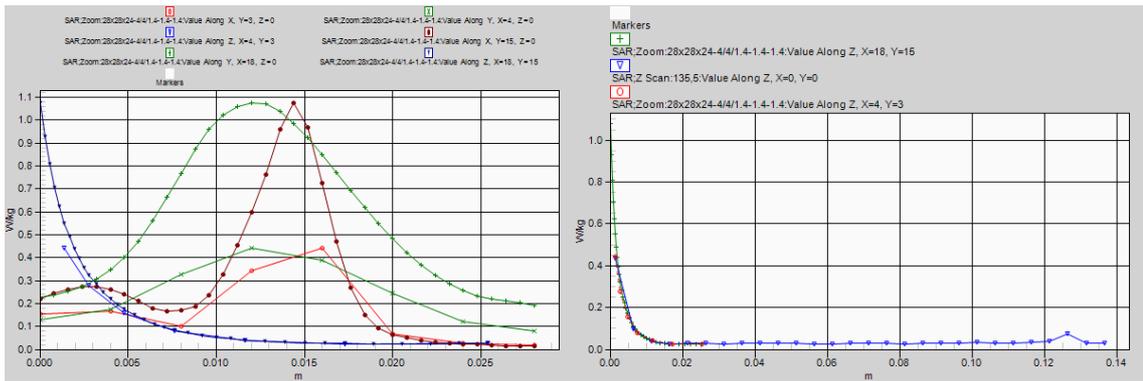
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $40 \pm 5$  %RH,  
\*. liquid temperature: 23.4(start)/23.4(end)/23.9(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m52-3(tablet,w52(130424)/(miso)ant=0,Tablet-right-edge&d=0mm,11n(40HT)(MCS0),m5230(46ch)**

Date/Time: 2013/04/24 14:29:29

**Communication System: IEEE 802.11n(40HT)(MCS0, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.466$  S/m;  $\epsilon_r = 46.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 25.0, 136.0  
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-3,(miso,bw:40MHz)ant=0,right&d=0mm,11n40(mcs0),m5230/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid: dx=10mm, dy=10mm;

Maximum value of SAR (measured) = 0.624 W/kg

**Area Scan:60x100,10 (61x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm;

Maximum value of SAR (interpolated) = 0.761 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid: dx=20mm, dy=20mm, dz=5mm;

Maximum value of SAR (measured) = 0.643 W/kg

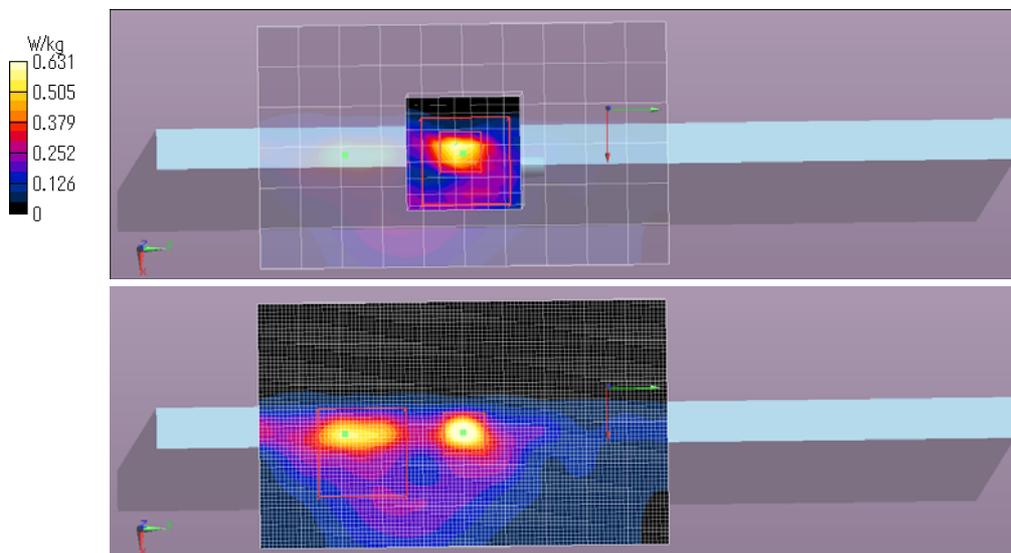
**Fast SAR: SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.067 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm;

Reference Value = 12.811 V/m; Power Drift = -0.06 dB, Maximum value of SAR (measured) = 0.631 W/kg

Peak SAR (extrapolated) = 1.495 mW/g

**SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.074 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

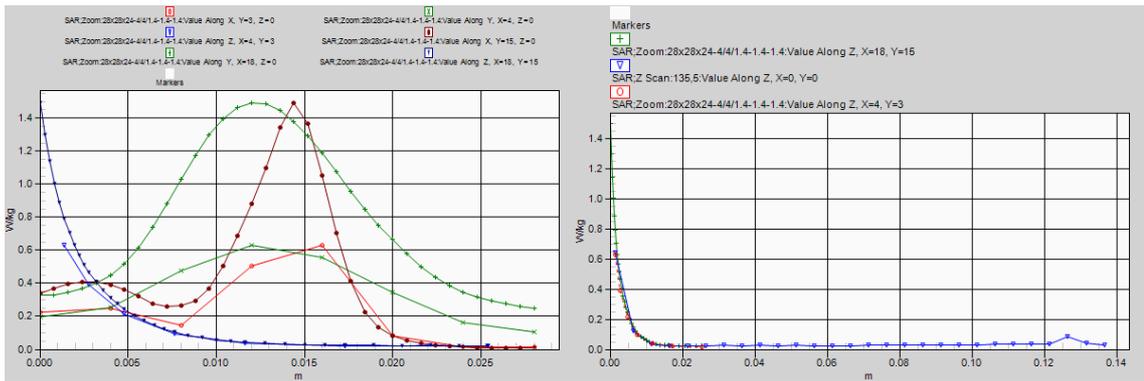
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
\*.liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$ deg.C. /  $40 \pm 5$  %RH,  
\*.liquid temperature: 23.4(start)/23.4(end)/23.9(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m52-4(tablet,w52(130424)/(mimo)ant=0&1,Tablet-right-edge&d=0mm,11n(20HT)(MCS8),m5240(48ch)**

Date/Time: 2013/04/24 15:01:10

**Communication System: IEEE 802.11n(20HT)(MCS8, BPSK/OFDM); Frequency: 5240 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 47.037$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-4,(mimo)ant=0&1,right&d=0mm,11n20(mcs8),m5240/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.248 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

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

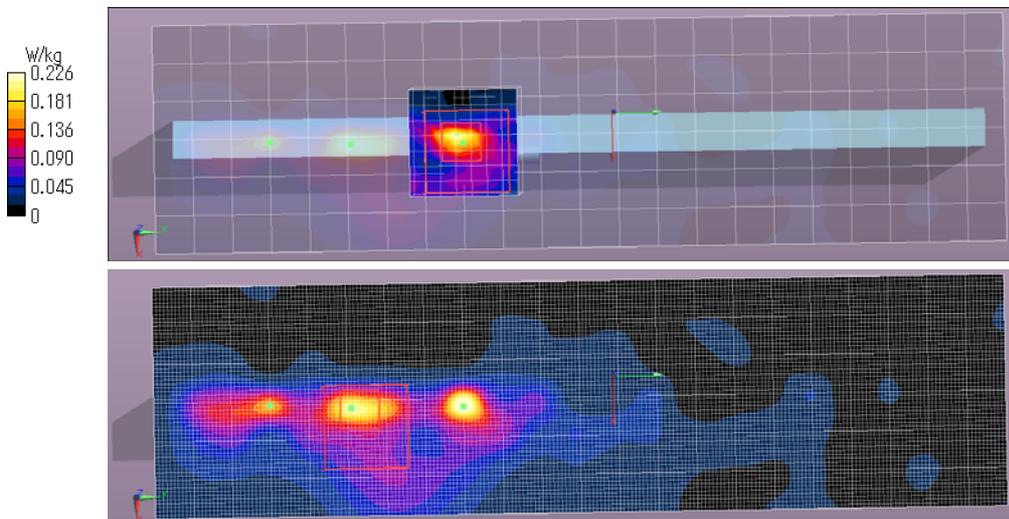
**Fast SAR: SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.025 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 7.097 V/m; Power Drift = 0.15 dB, Maximum value of SAR (measured) = 0.226 W/kg

Peak SAR (extrapolated) = 0.500 mW/g

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.037 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

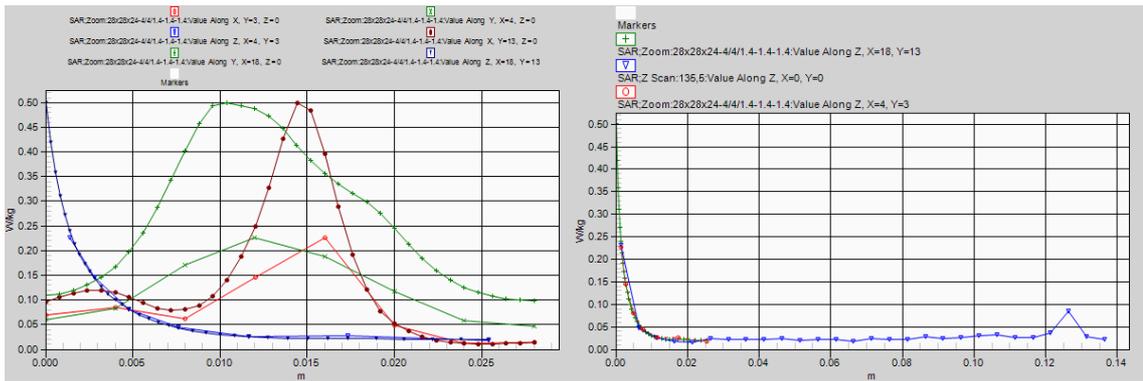
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
\*.liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$ deg.C. /  $40 \pm 5$  %RH,  
\*.liquid temperature: 23.4(start)/23.5(end)/23.9(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g )/small=SAR(1g)

**m52-6(tablet,w52(130424)/(mimo)ant=0&1,Tablet-left-edge&d=0mm,11n(40HT)(MCS8),m5230(46ch)**

Date/Time: 2013/04/24 16:30:01

**Communication System: IEEE 802.11n(40HT)(MCS8, BPSK/OFDM); Frequency: 5230 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.466$  S/m;  $\epsilon_r = 46.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 25.0, 136.0  
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-6,(mimo,bw:40MHz)ant=1&0,left&d=0mm,11n40(mcs8),m5230/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid: dx=10mm, dy=10mm;

Maximum value of SAR (measured) = 0.353 W/kg

**Area Scan:60x220,10 (61x221x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm;

Maximum value of SAR (interpolated) = 0.377 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid: dx=20mm, dy=20mm, dz=5mm;

Maximum value of SAR (measured) = 0.437 W/kg

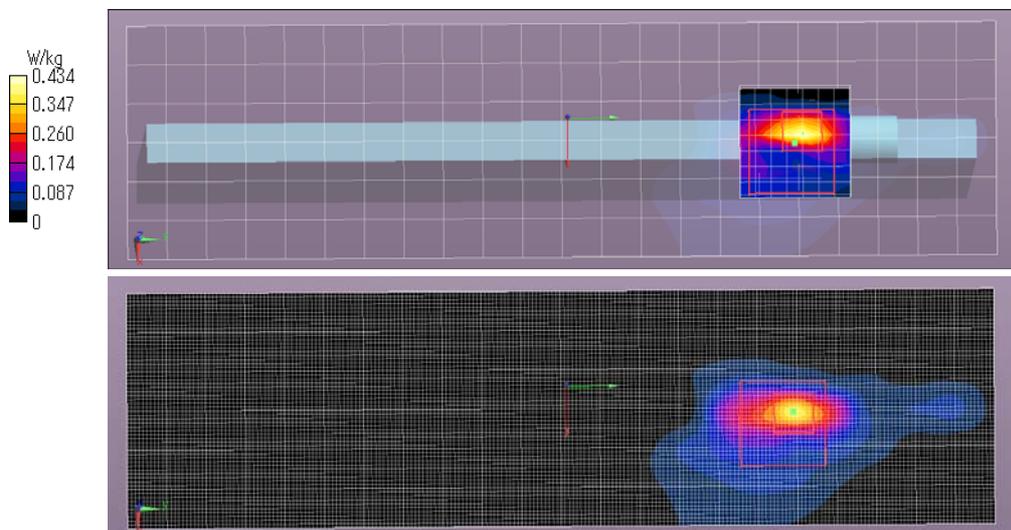
**Fast SAR: SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.040 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm;

Reference Value = 7.809 V/m; Power Drift = 0.06 dB, Maximum value of SAR (measured) = 0.434 W/kg

Peak SAR (extrapolated) = 0.923 mW/g

**SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.054 mW/g**



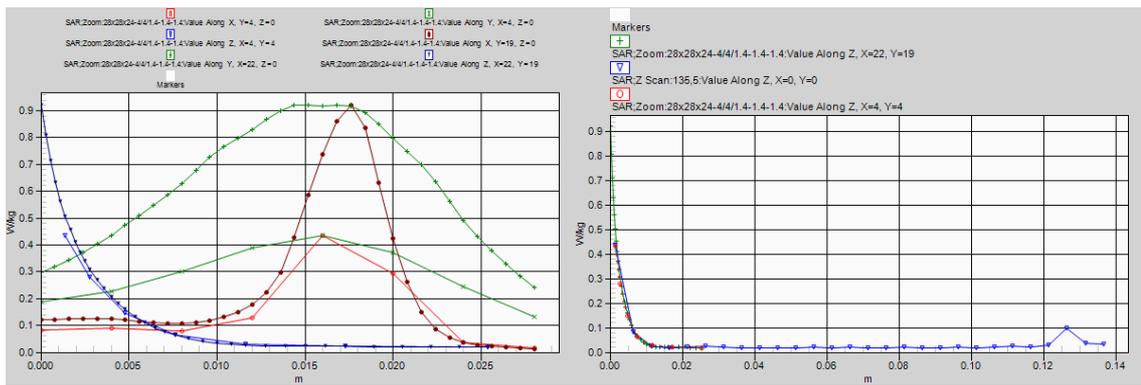
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
 \*. liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5 \text{ deg.C.} / 40 \pm 5 \% \text{ RH}$ ,  
 \*. liquid temperature: 23.5(start)/23.5(end)/23.9(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m52-7(tablet,w52(130424)/(mimo)ant=0&1,Tablet-left-edge&d=0mm,11n(20HT)(MCS8),m5240(48ch)**

Date/Time: 2013/04/24 17:11:40

**Communication System: IEEE 802.11n(20HT)(MCS8, BPSK/OFDM); Frequency: 5240 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 47.037$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn626; Calibrated: 2013/03/11  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w52(130424)/m52-7,(mimo)ant=1&0,left&d=0mm,11n20(mcs8),m5240/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x100,10 (61x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

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

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

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

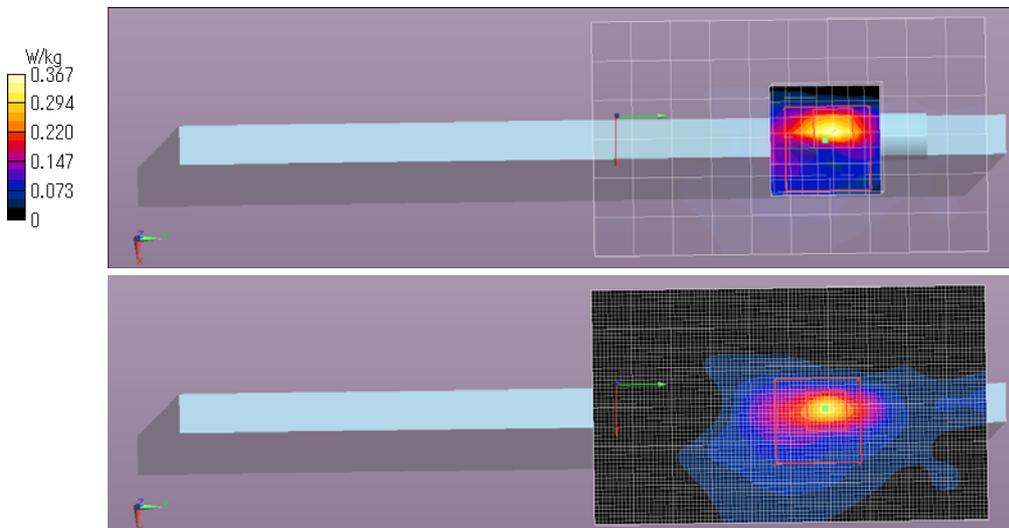
**Fast SAR: SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.033 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 7.065 V/m; Power Drift = 0.01 dB, Maximum value of SAR (measured) = 0.367 W/kg

Peak SAR (extrapolated) = 0.854 mW/g

**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.048 mW/g**



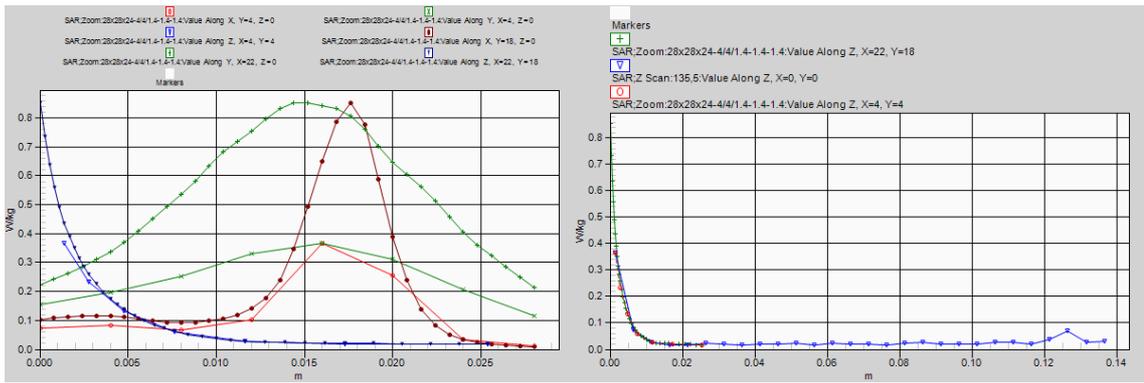
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Remarks: \*. Date tested: 2013/04/24; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
 \*. liquid depth: 131mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $40 \pm 5$  %RH,  
 \*. liquid temperature: 23.5(start)/23.5(end)/23.9(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

[5.3GHz band]

**m53-6(tablet,w53(130426)/(mimo)ant=0&1,Tablet-Right&d=0mm,11n(20)(MCS8),m5260(52ch)**

Date/Time: 2013/04/26 15:13:47

**Communication System: IEEE 802.11n(20HT) (MCS8, BPSK/OFDM); Frequency: 5260 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.545$  S/m;  $\epsilon_r = 46.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-6,(mimo)ant=0&1,right&d=0mm,11n20(mcs8),m5260/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.831 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

Maximum value of SAR (measured) = 0.776 W/kg

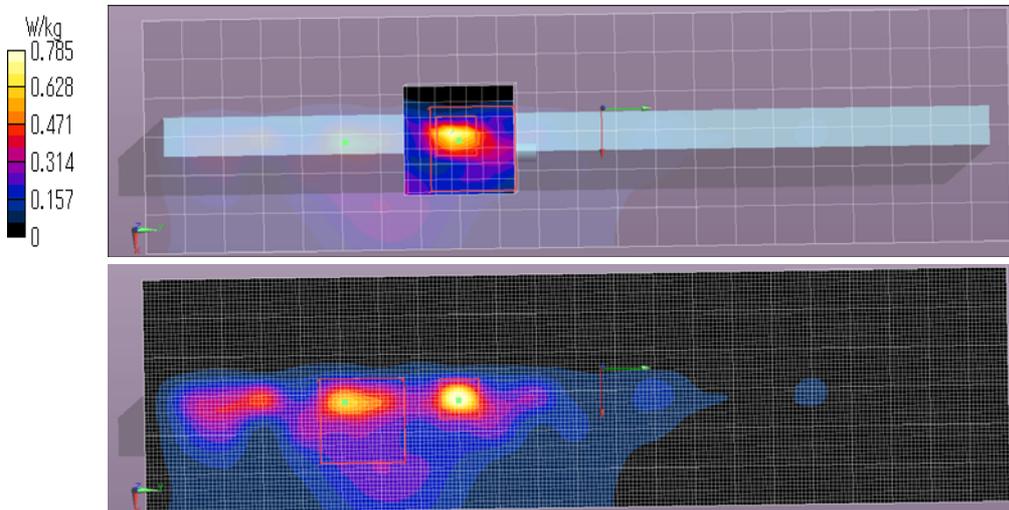
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.075 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 13.425 V/m; Power Drift = -0.00 dB, Maximum value of SAR (measured) = 0.785 W/kg

**Peak SAR (extrapolated) = 1.552 mW/g**

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.074 mW/g**



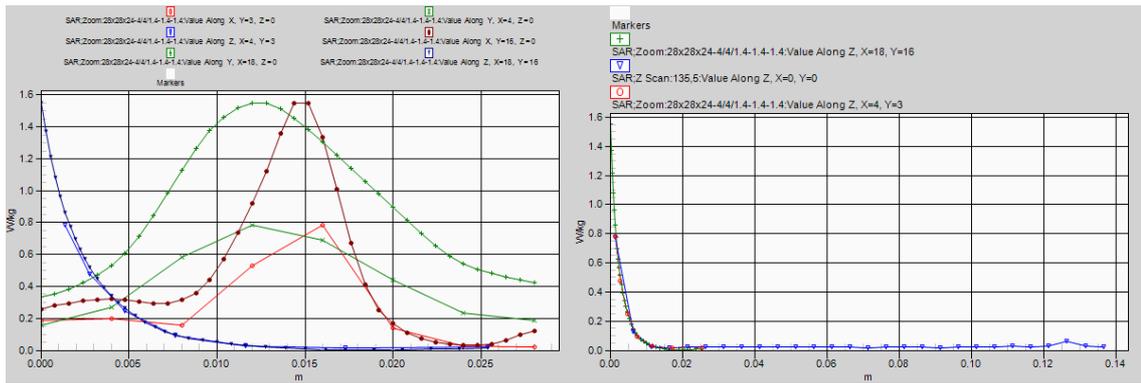
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Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
 \*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient: 24.5 ± 0.5deg.C. / 50 ± 5 %RH,  
 \*. liquid temperature: 23.9(start)/23.9(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g )/small=SAR(1g)

**m53-x(tablet,w53(130427) /(mimo)ant=0&1,tablet-rear&d=0mm,11n20(mcs8),m5260(52ch)**

Date/Time: 2013/04/27 15:37:03

**Communication System: 5GHz-all; Frequency: 5260 MHz; Crest Factor: 1.0**

**Medium: MSL5800; Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.503$  S/m;  $\epsilon_r = 47.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

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

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;

-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$

-Electronics: DAE4 Sn518; Calibrated: 2012/10/17

-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section

-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**Tablet,w53(13.0427)/m53-2,(mimo)ant=0&1,rear&d=0mm,11n20(mcs8),m5260/**

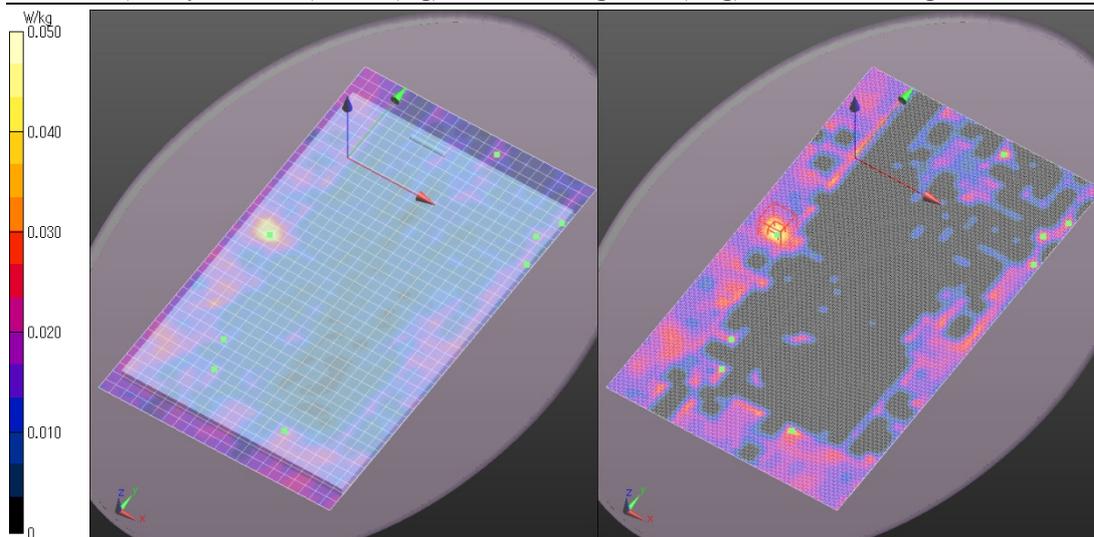
**Area Scan:220x380,10 (23x39x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.0492 W/kg

**Area Scan:220x380,10 (221x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0503 W/kg

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00825 mW/g**



Remarks: \*. Date tested: 2013/04/27; Tested by: Tomochika ato; Tested place:No.7 shielded room,

\*.liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.0 \pm 0.5$ deg.C. /  $50 \pm 5$  %RH,

\*.liquid temperature: 23.5(start)23.5(end)23.5(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g) /small=SAR(1g)

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**m56-x(tablet,w56(130427) /(mimo)ant=0&1,laptop-bottom&d=0mm,11n20(mcs8),m5560(112ch)**

Date/Time: 2013/04/27 13:00:27

**Communication System: 5GHz-all; Frequency: 5560 MHz; Crest Factor: 1.0**

**Medium: MSL5800; Medium parameters used:  $f = 5560$  MHz;  $\sigma = 5.93$  S/m;  $\epsilon_r = 47.231$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

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

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.61, 3.61, 3.61); Calibrated: 2012/06/21;

-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$

-Electronics: DAE4 Sn518; Calibrated: 2012/10/17

-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section

-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**laptop,w56(13.0427)/m56-1,laptop,(mimo)ant=0&1,laptop-btm&d=0mm,11n20(mcs8),m5560/**

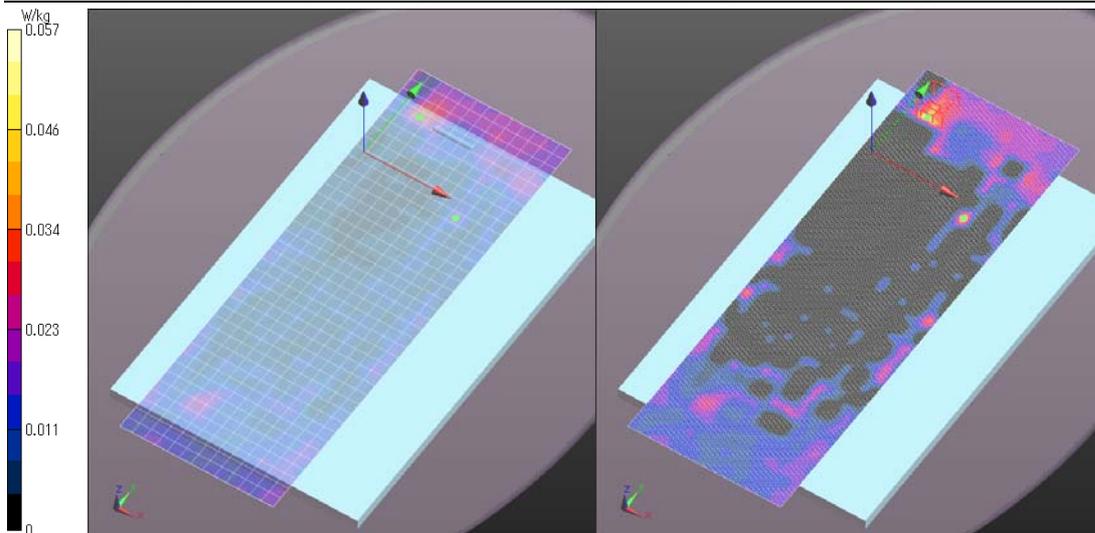
**Area Scan:130x380,10 (14x39x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.0313 W/kg

**Area Scan:130x380,10 (131x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0574 W/kg

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00684 mW/g**



Remarks: \*. Date tested: 2013/04/27; Tested by: Tomochika ato; Tested place:No.7 shielded room,

\*.liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.0 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,

\*.liquid temperature: 23.5(start)/23.5(end)/23.5(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

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**m53-1(tablet,w53(130426)/(mimo)ant=0&1,Tablet-Bottom-Edge&d=0mm,11n20(mcs8),m5260(52ch)**

Date/Time: 2013/04/26 12:25:46

Communication System: IEEE 802.11n(20HT) (MCS8, BPSK/OFDM); Frequency: 5260 MHz; Crest Factor: 1.0  
Medium: MSL5800; Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.545$  S/m;  $\epsilon_r = 46.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-1,(mimo)ant=0&1,btm-edge&d=0mm,11n20(mcs8),m5260/**

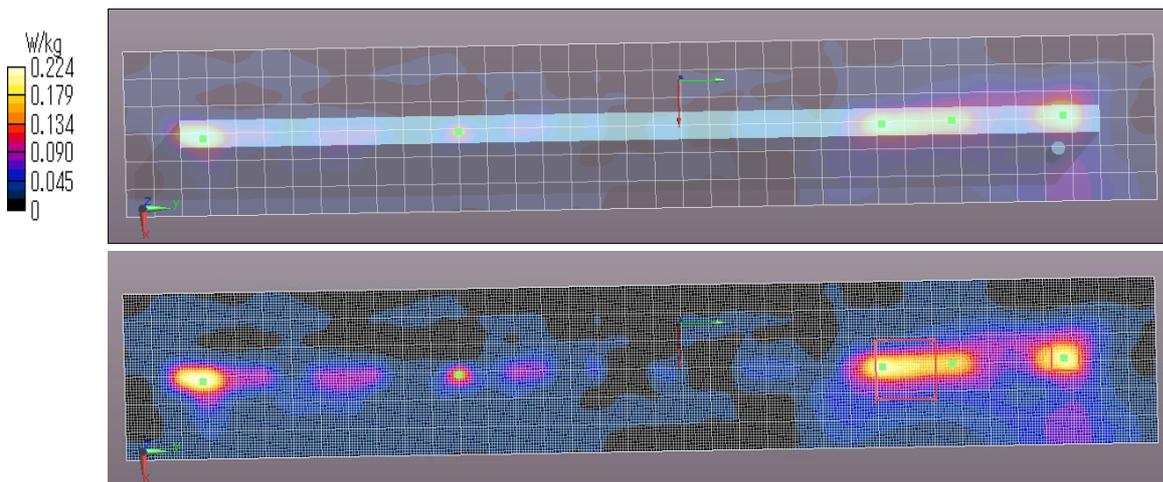
**Area Scan:60x370,10 (7x38x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x370,10 (61x371x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 0.224 W/kg

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.027 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,  
\*. liquid temperature: 23.9(start)/23.9(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

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**m53-3(tablet,w53(130426)/(miso)ant=0,Tablet-Right&d=0mm,11a(6Mbps),m5300(60ch)**

Date/Time: 2013/04/26 13:34:31

**Communication System: IEEE 802.11a (6Mbps, BPSK/OFDM); Frequency: 5300 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.597$  S/m;  $\epsilon_r = 46.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-3,(miso)ant=0,right&d=0mm,11a(6m),m5300/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

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

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

Maximum value of SAR (interpolated) = 1.75 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm;

Maximum value of SAR (measured) = 1.60 W/kg

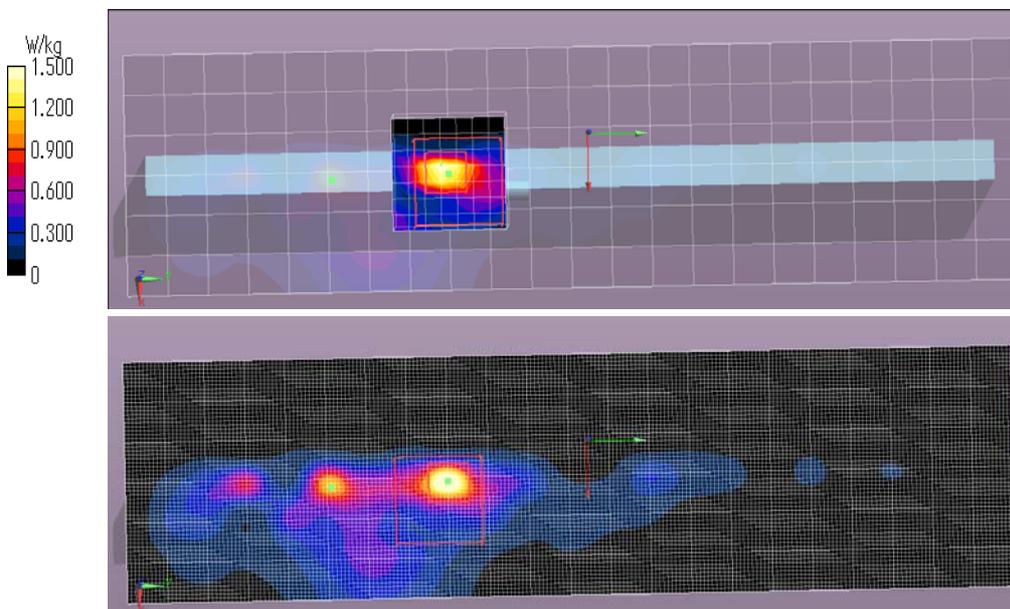
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.135 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 20.039 V/m; Power Drift = 0.11 dB, Maximum value of SAR (measured) = 1.50 W/kg

**Peak SAR (extrapolated) = 3.528 mW/g**

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.142 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

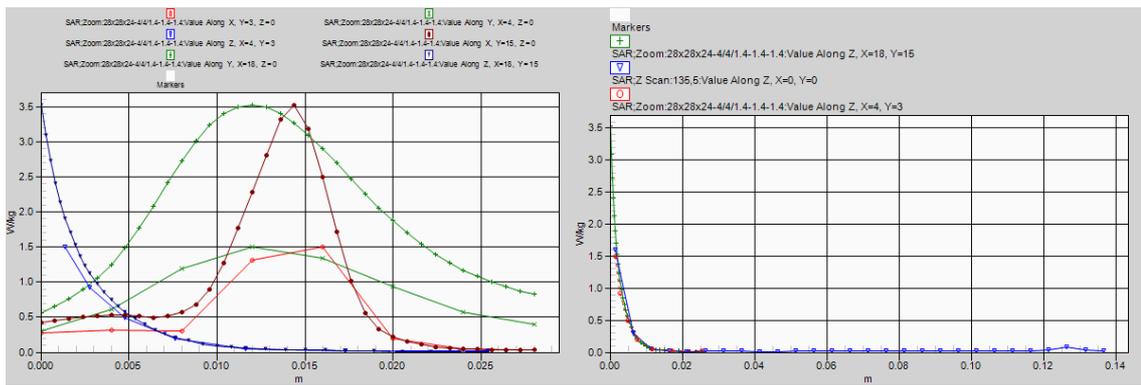
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Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place:No.7 shielded room,  
 \*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient: 24.5 ± 0.5deg.C. / 50 ± 5 %RH,  
 \*. liquid temperature: 23.9(start)/24.0(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m53-5(tablet,w53(130426)/(miso/bw:40MHz)ant=0,Tablet-Right&d=0mm,11n(40)(MCS0),m5270(54ch)**

Date/Time: 2013/04/26 14:43:46

**Communication System: IEEE 802.11n(40HT) (MCS0, BPSK/OFDM); Frequency: 5270 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.51$  S/m;  $\epsilon_r = 46.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 25.0, 136.0  
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-5,(miso,bw:40MHz)ant=0,right&d=0mm,11n40(mcs8),m5270/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid: dx=10mm, dy=10mm;

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

**Area Scan:60x100,10 (61x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm;

Maximum value of SAR (interpolated) = 1.14 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid: dx=20mm, dy=20mm, dz=5mm;

Maximum value of SAR (measured) = 1.13 W/kg

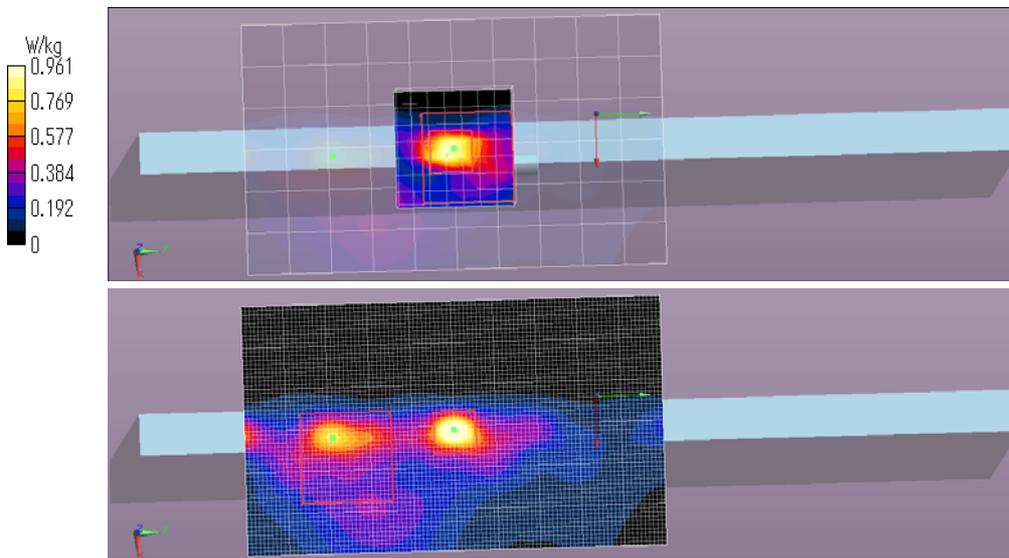
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.096 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm;

Reference Value = 16.460 V/m; Power Drift = 0.04 dB, Maximum value of SAR (measured) = 0.961 W/kg

**Peak SAR (extrapolated) = 2.296 mW/g**

**SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.098 mW/g**



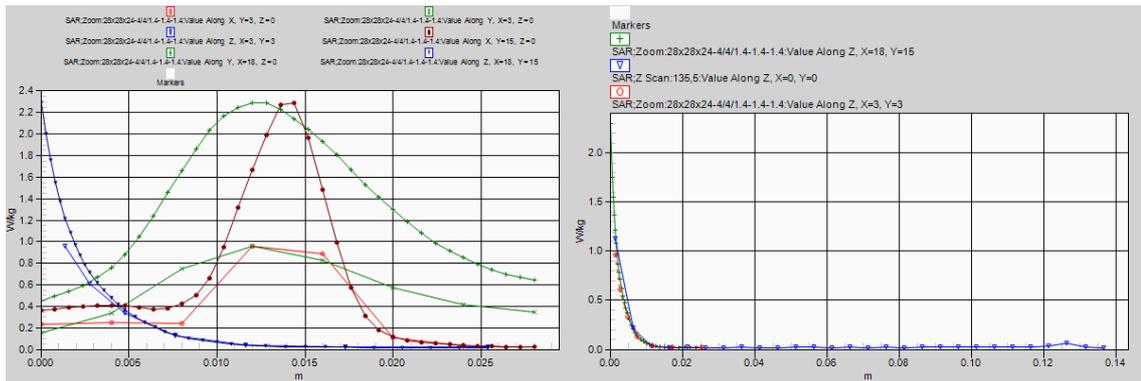
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Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,  
\*. liquid temperature: 24.0(start)/23.9(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m53-7(tablet,w53(130426)/(mimo,bw=40)ant=0&1,Tablet-Right&d=0mm,11n(40)(MCS8),m5270(54ch)**

Date/Time: 2013/04/26 15:51:39

**Communication System: IEEE 802.11n(40HT) (MCS8, BPSK/OFDM); Frequency: 5270 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.51$  S/m;  $\epsilon_r = 46.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-7,(mimo,bw:40MHz)ant=0&1,right&d=0mm,11n40(mcs8),m5270/**

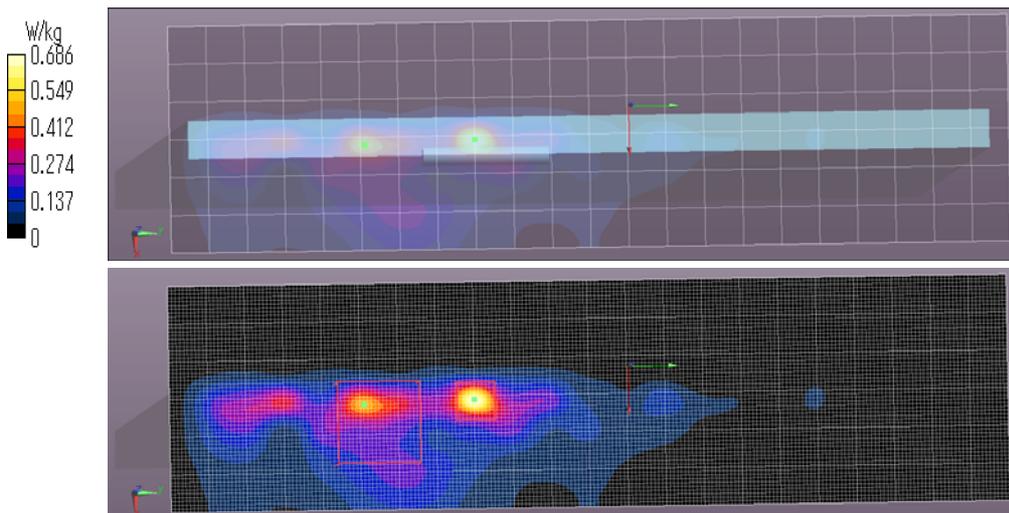
**Area Scan:60x220,10 (7x23x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 0.630 W/kg

**Area Scan:60x220,10 (61x221x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

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

**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.059 mW/g**



Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,  
\*. liquid temperature: 23.9(start)/23.9(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

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**m53-8(tablet,w53(130426)/(mimo)ant=1(&0),Tablet-Left(ant.1 side)&d=0mm,11n(20)(MCS8),m5260(52ch)**

Date/Time: 2013/04/26 16:16:41

**Communication System: IEEE 802.11n(20HT) (MCS8, BPSK/OFDM); Frequency: 5260 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.545$  S/m;  $\epsilon_r = 46.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 25.0, 136.0  
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-8,(mimo)ant=1&0,left&d=0mm,11n20(mcs8),m5260/**

**Area Scan:60x220,10 (7x23x1):** Measurement grid: dx=10mm, dy=10mm;

Maximum value of SAR (measured) = 0.752 W/kg

**Area Scan:60x220,10 (61x221x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm;

Maximum value of SAR (interpolated) = 0.820 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid: dx=20mm, dy=20mm, dz=5mm;

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

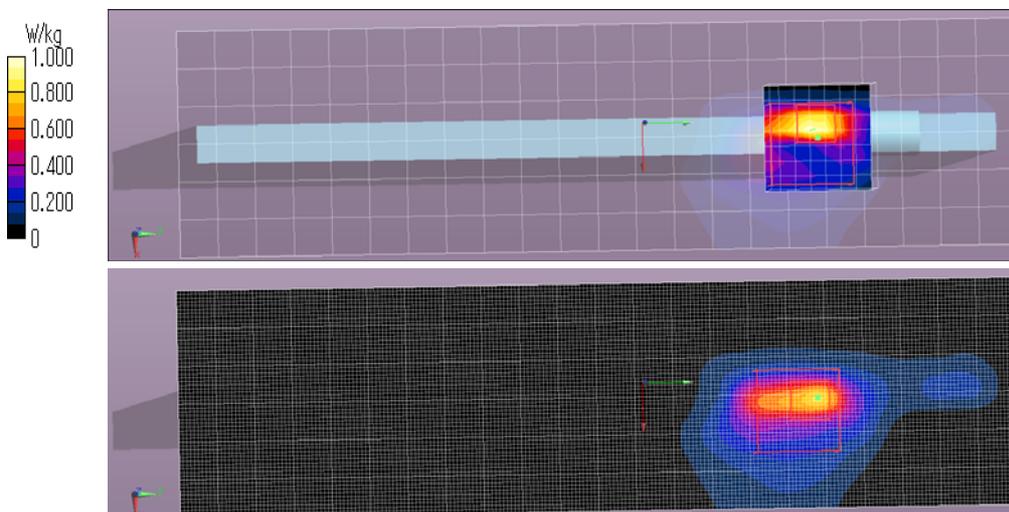
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.101 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm;

Reference Value = 11.797 V/m; Power Drift = -0.03 dB, Maximum value of SAR (measured) = 1.00 W/kg

**Peak SAR (extrapolated) = 2.178 mW/g**

**SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.114 mW/g**



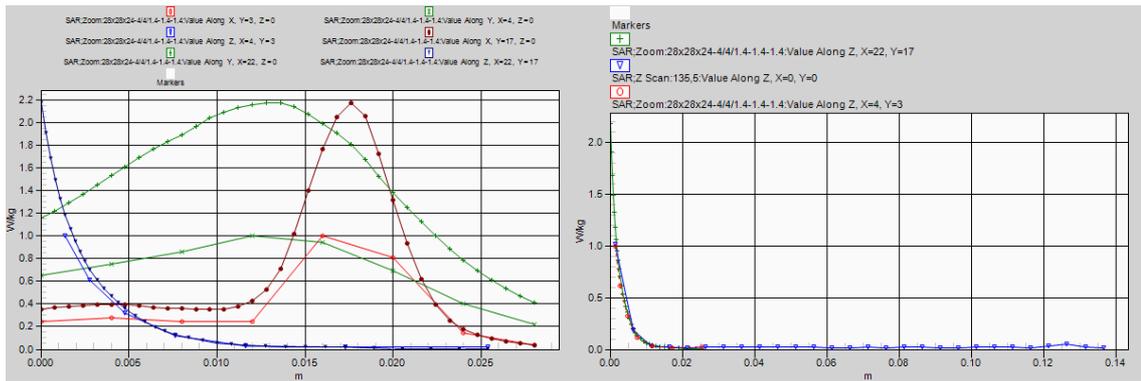
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Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5 \text{ deg.C.} / 50 \pm 5 \% \text{ RH}$ ,  
\*. liquid temperature: 23.9(start)/23.9(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m53-x(tablet,w53(130427)/(mimo)ant=0&1,tablet-left&d=0mm,11n40(mcs8),m5270(54ch)**

Date/Time: 2013/04/27 19:15:02

**Communication System: 5GHz-all; Frequency: 5270 MHz; Crest Factor: 1.0**

**Medium: MSL5800; Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.505$  S/m;  $\epsilon_r = 47.723$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

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

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;

-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$

-Electronics: DAE4 Sn518; Calibrated: 2012/10/17

-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section

-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**Tablet,w53(13.0427)/m53-3,(mimo)ant=1&0,left&d=0mm,11n40(mcs8),m5270/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.687 W/kg

**Area Scan:60x100,10 (61x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.728 W/kg

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm

Maximum value of SAR (measured) = 0.958 W/kg

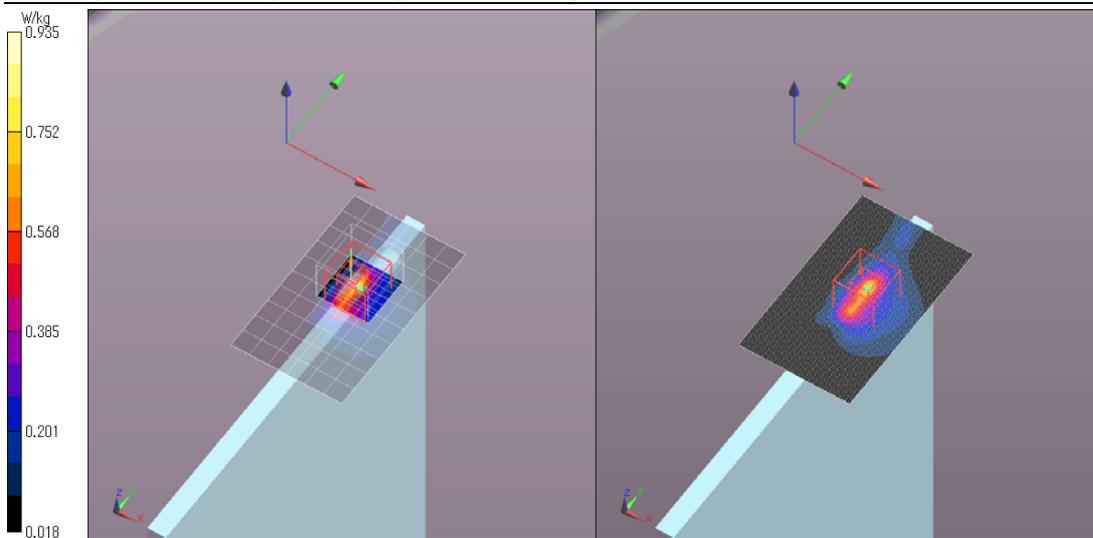
**Fast SAR(\*.Polynomial fit):: SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.093 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 10.019 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.374 mW/g

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.117 mW/g**



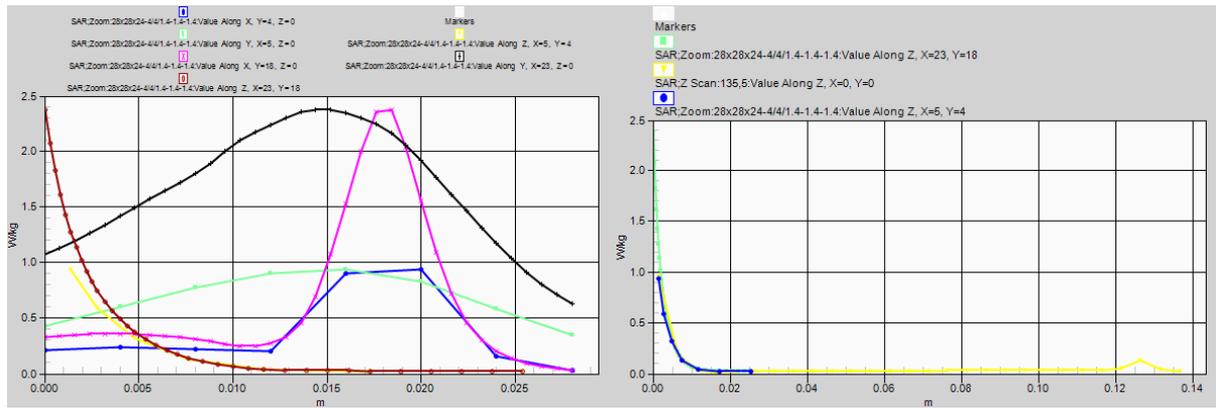
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Remarks: \* Date tested: 2013/04/27; Tested by: Tomochika ato; Tested place: No.7 shielded room,  
\* liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.0 \pm 0.5 \text{ deg.C.} / 50 \pm 5 \% \text{ RH}$ ,  
\* liquid temperature: 23.5(start)/23.5(end)/23.5(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g)/small=SAR(1g)

**m53-4(tablet,w53(130426)/(miso)ant=0,Tablet-Right&d=0mm,11a(6Mbps),m5280(56ch)**

Date/Time: 2013/04/26 14:14:53

**Communication System: IEEE 802.11a (6Mbps, BPSK/OFDM); Frequency: 5280 MHz; Crest Factor: 1.0**  
**Medium: MSL5800; Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.558$  S/m;  $\epsilon_r = 46.803$ ;  $\rho = 1000$  kg/m<sup>3</sup>**  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;  
-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$   
-Electronics: DAE4 Sn518; Calibrated: 2012/10/17  
-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section  
-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**tablet,w53(130426)/m53-4,(miso)ant=0,right&d=0mm,11a(6m),m5280/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm;

Maximum value of SAR (measured) = 1.38 W/kg

**Area Scan:60x100,10 (61x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm;

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

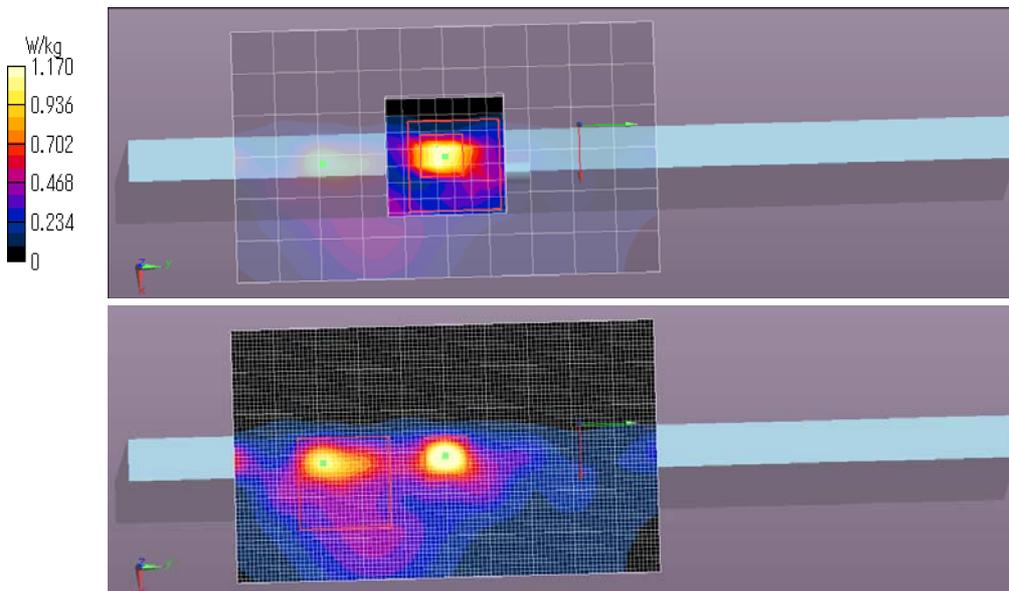
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.124 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm;

Reference Value = 18.109 V/m; Power Drift = 0.12 dB, Maximum value of SAR (measured) = 1.17 W/kg

Peak SAR (extrapolated) = 2.909 mW/g

**SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.120 mW/g**



(Shown with no transparency of an area scan and a fast SAR.)

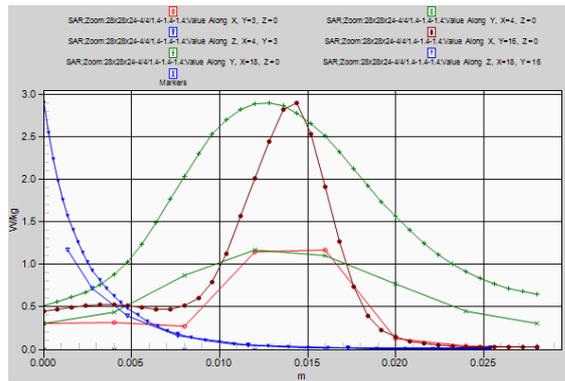
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Remarks: \*. Date tested: 2013/04/26; Tested by: Hiroshi Naka; Tested place: No.7 shielded room,  
\*. liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient:  $24.5 \pm 0.5$  deg.C. /  $50 \pm 5$  %RH,  
\*. liquid temperature: 24.0(start)/24.0(end)/24.4(in check) deg.C.; \*. White cubic: zoom scan area, Red cubic: big=SAR(10g )/small=SAR(1g)

**m53(tablet,w53(130501)/(mimo)ant=0&1,tablet-left&d=0mm,11n20(mcs8),m5300(60ch)**

Date/Time: 2013/05/01 13:15:26

**Communication System: 5GHz-all; Frequency: 5300 MHz; Crest Factor: 1.0**

**Medium: MSL5800; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.595$  S/m;  $\epsilon_r = 47.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

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

**DASY Configuration:**

-Probe: EX3DV4 - SN3679; ConvF(3.98, 3.98, 3.98); Calibrated: 2012/06/21;

-Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0, 136.0$

-Electronics: DAE4 Sn518; Calibrated: 2012/10/17

-Phantom: ELI v4.0; Type: QDOVA001BA; Serial: 1059; Phantom section: Flat Section

-DASY52 52.8.2(969); SEMCAD X 14.6.6(6824)

**Tablet,w53(13.0501)/m53-3-2,(mimo)ant=0&1,left&d=0mm,11n20(mcs8),m5300/**

**Area Scan:60x100,10 (7x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.07 W/kg

**Area Scan:60x100,10 (61x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

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

**Z Scan:135,5 (1x1x28):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm

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

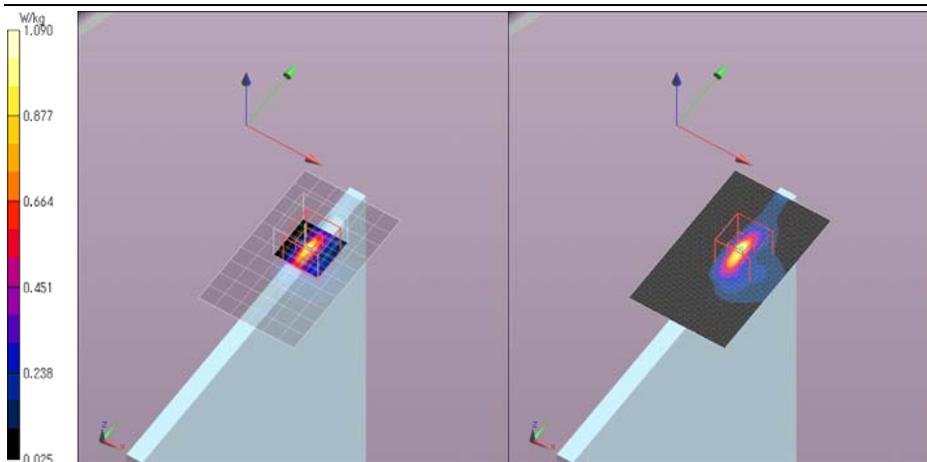
**Fast SAR(\*.Polynomial fit): SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.098 mW/g**

**Zoom:28x28x24-4/4/1.4-1.4-1.4 (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 15.263 V/m; Power Drift = 0.03 dB, Maximum value of SAR (measured) = 1.06 W/kg

Peak SAR (extrapolated) = 2.076 mW/g

**SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.106 mW/g**



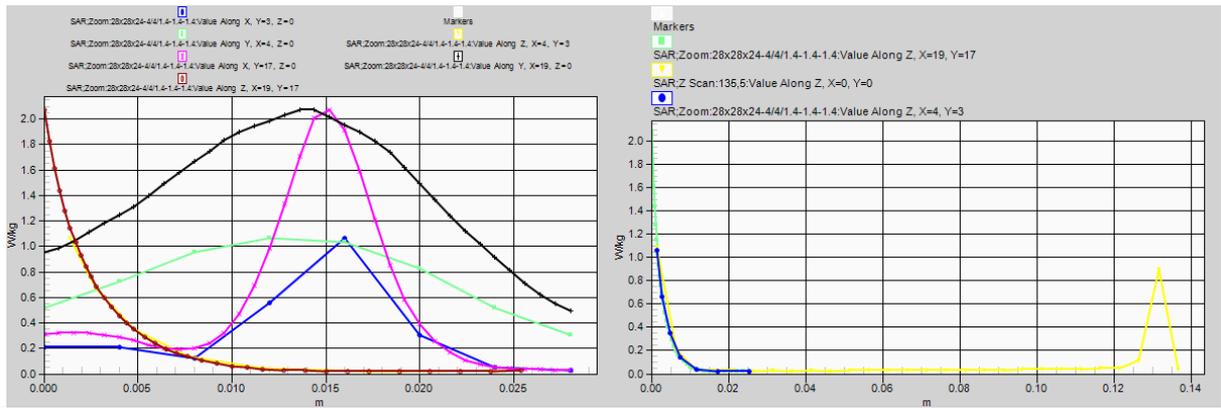
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Remarks: \* .Date tested: 2013/05/01; Tested by: Tomochika Sato; Tested place:No.7 shielded room,  
\* .liquid depth: 129mm; Position: distance of EUT to phantom: 0mm (2mm to liquid); ambient: 24.5 ± 0.5deg.C. / 50 ± 5 %RH,  
\* .liquid temperature: 23.6(start)/23.8(end)/24.4(in check) deg.C.; \*.White cubic: zoom scan area, Red cubic: big=SAR(10g )/small=SAR(1g)