

**#08 GSM1900\_GSM Voice\_Right Cheek\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 39.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

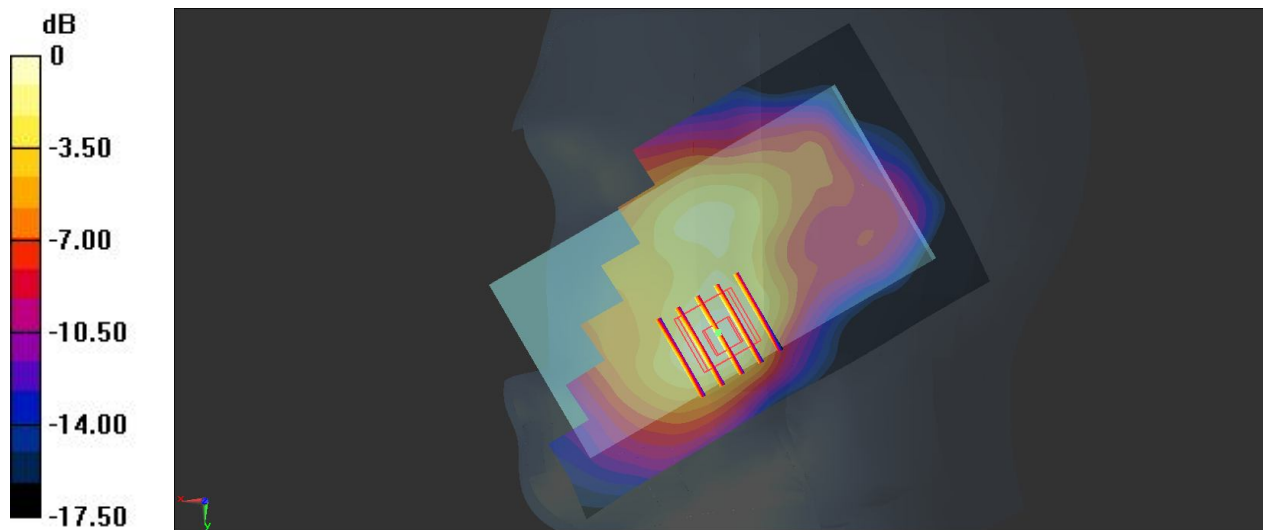
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.303 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.104 W/kg**

Maximum value of SAR (measured) = 0.212 W/kg



0 dB = 0.212 W/kg

**#09 GSM1900\_GSM Voice\_Right Tilted\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 39.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

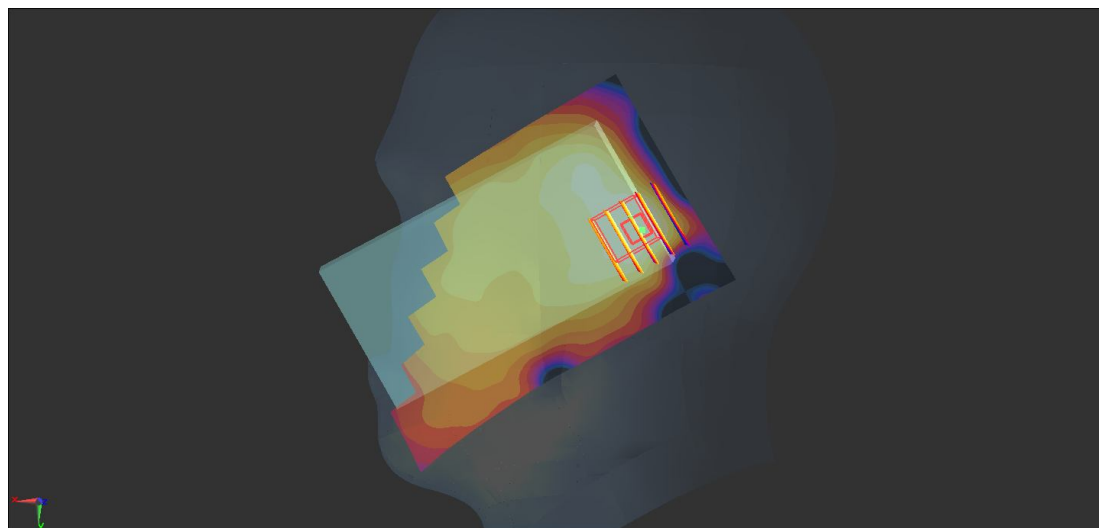
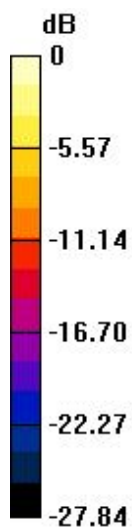
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.579 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0984 W/kg



0 dB = 0.0984 W/kg

**#10 GSM1900\_GSM Voice\_Left Cheek\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 39.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

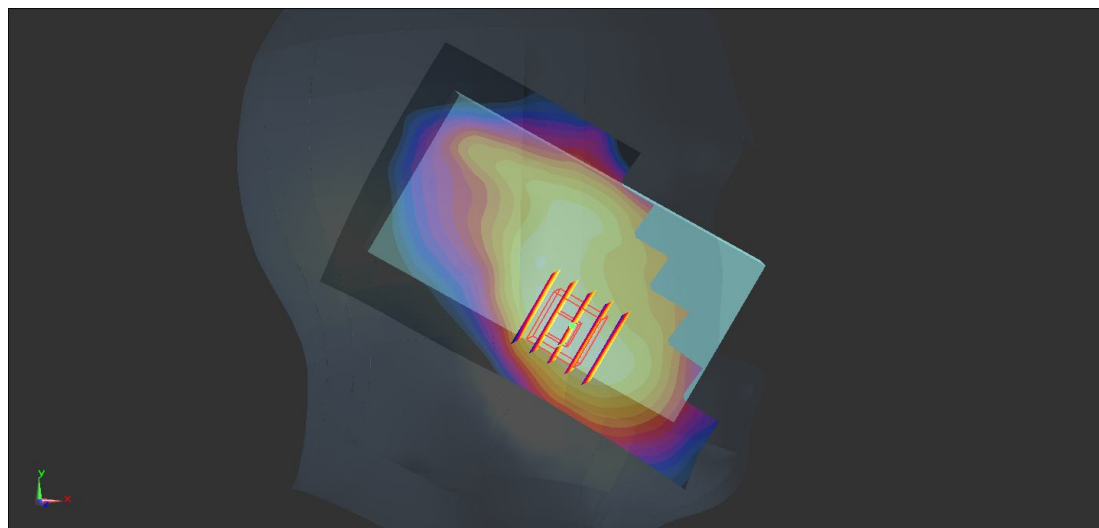
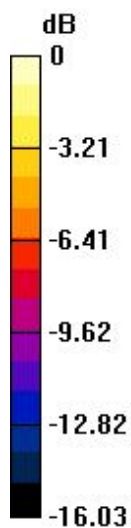
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.178 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.134 W/kg**

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



0 dB = 0.259 W/kg

**#11 GSM1900\_GSM Voice\_Left Tilted\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 39.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.180 W/kg

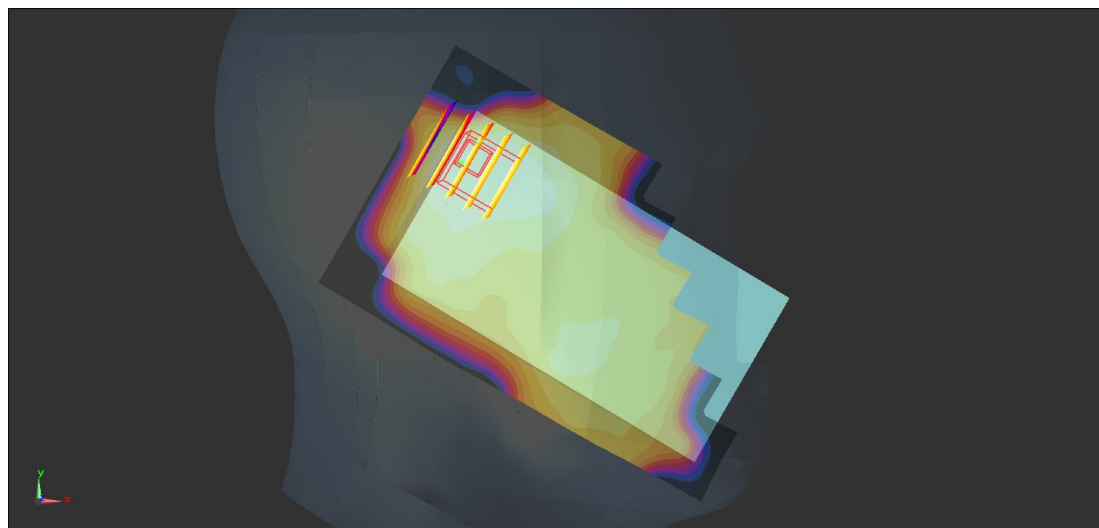
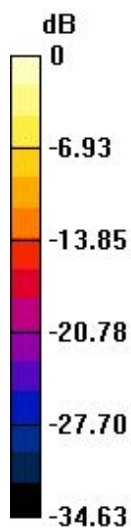
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.021 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.187 W/kg

**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.057 W/kg**

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



0 dB = 0.120 W/kg

**#34\_WLAN 2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: HSL\_2450\_131010 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.74, 6.74, 6.74); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.385 mW/g

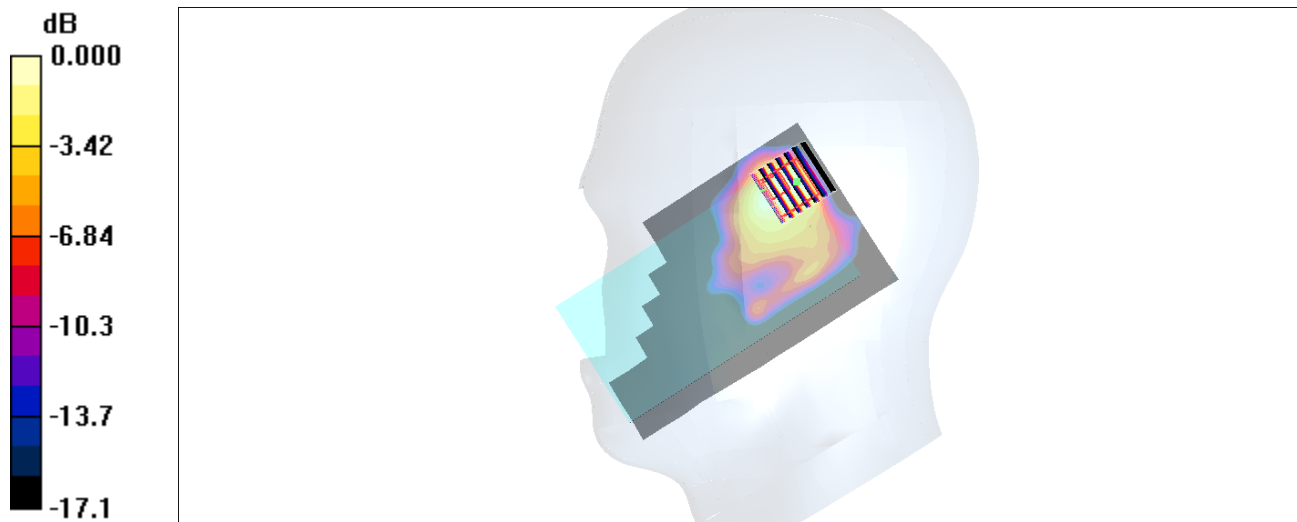
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.555 W/kg

**SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.106 mW/g**

Maximum value of SAR (measured) = 0.368 mW/g



0 dB = 0.368mW/g

**#35\_WLAN 2.4GHz\_802.11b 1Mbps\_Right Tilted\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: HSL\_2450\_131010 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.74, 6.74, 6.74); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.325 mW/g

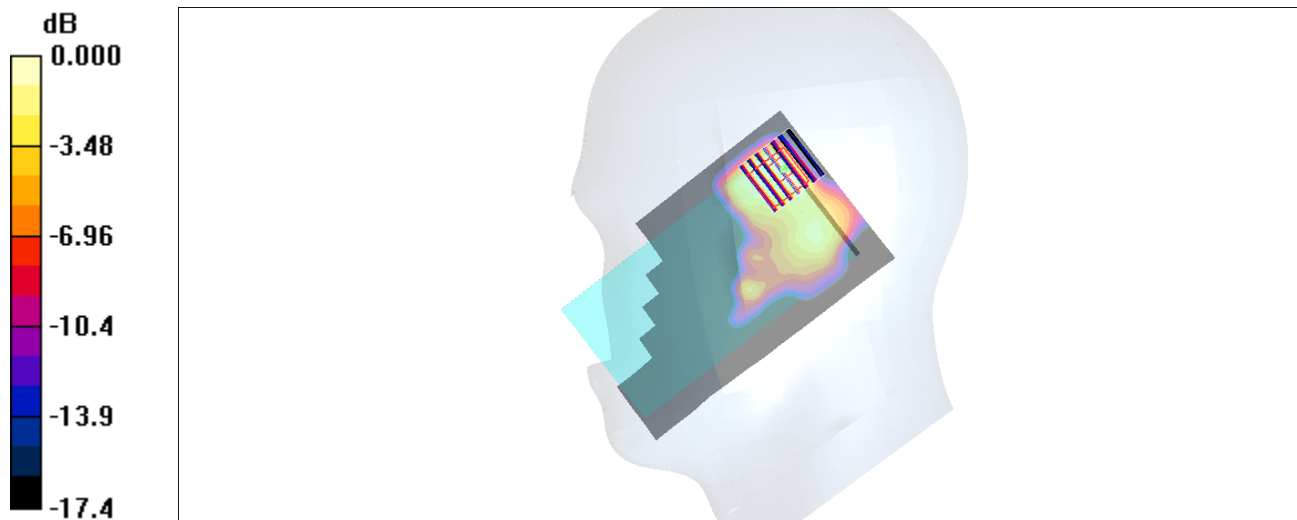
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.330 W/kg

**SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.244mW/g

**#36\_WLAN 2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: HSL\_2450\_131010 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.74, 6.74, 6.74); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.213 mW/g

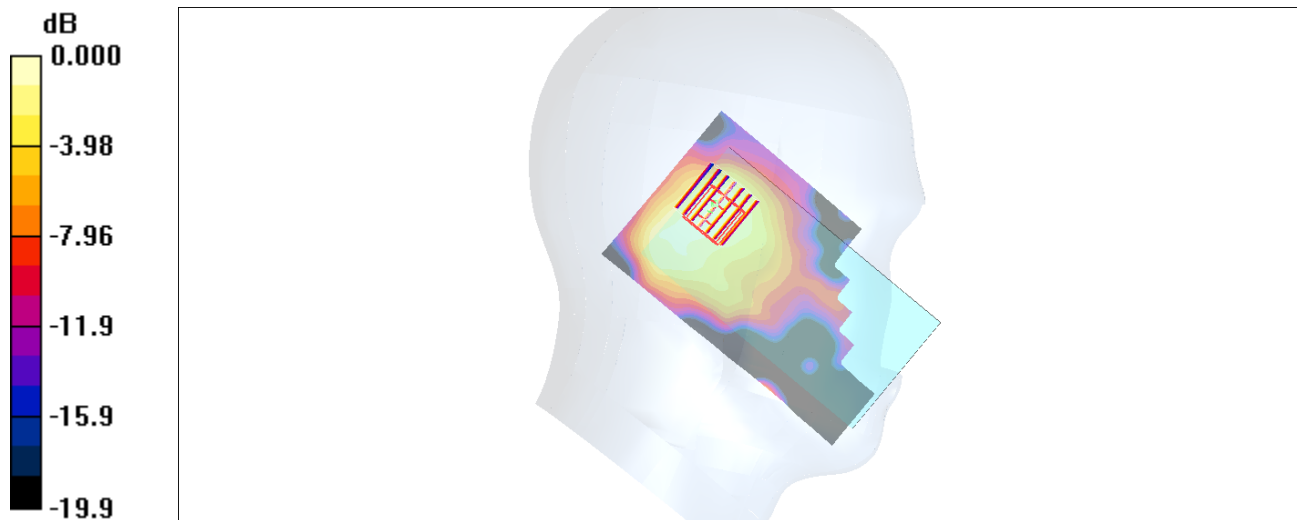
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.243 W/kg

**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.194 mW/g



0 dB = 0.194mW/g

**#37\_WLAN 2.4GHz\_802.11b 1Mbps\_Left Tilted\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: HSL\_2450\_131010 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.74, 6.74, 6.74); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.224 mW/g

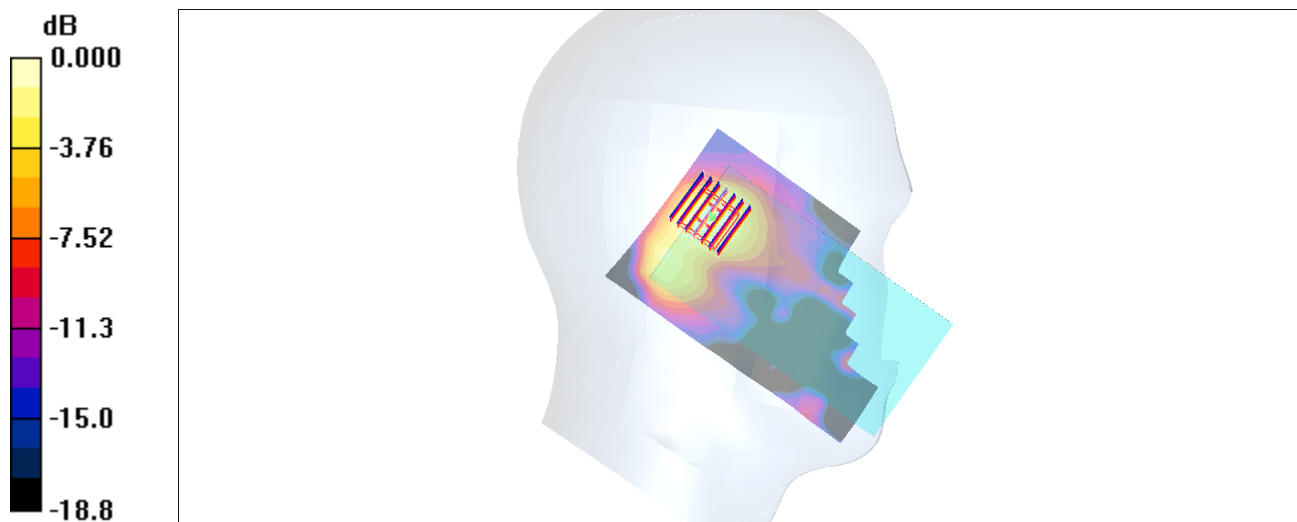
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.271 W/kg

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.216 mW/g



0 dB = 0.216mW/g



**#38\_WLAN 5GHz\_802.11a 6Mbps\_Right Cheek\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.78$  mho/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.525 mW/g

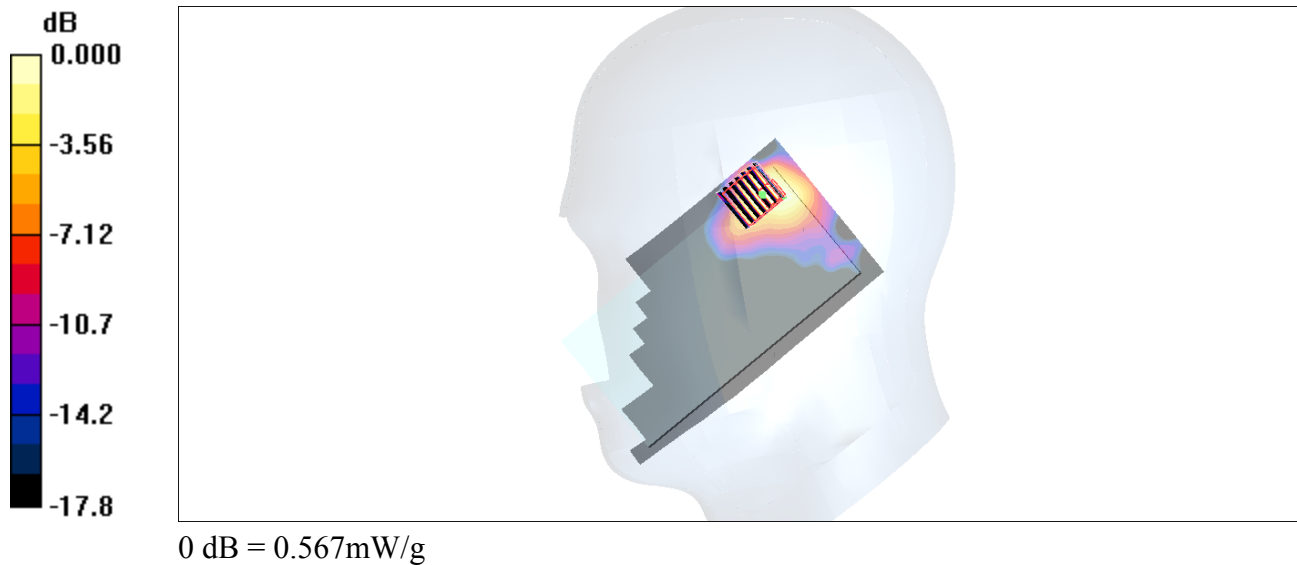
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.9 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.786 W/kg

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.061 mW/g**

Maximum value of SAR (measured) = 0.567 mW/g



**#39\_WLAN 5GHz\_802.11a 6Mbps\_Right Tilted\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.78$  mho/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.486 mW/g

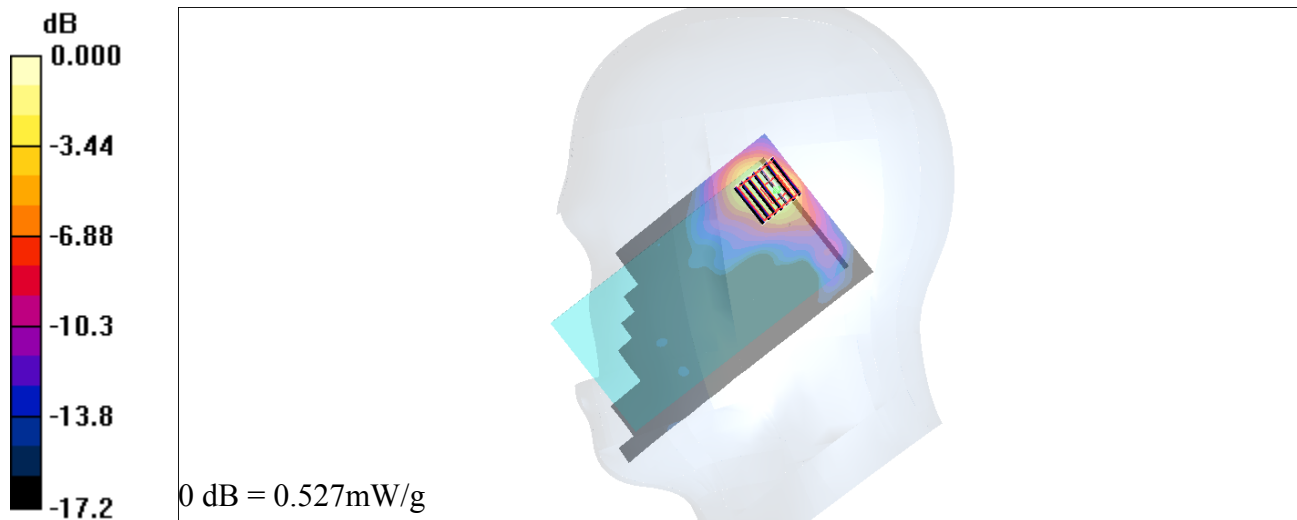
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.2 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.818 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.527 mW/g



**#40\_WLAN 5GHz\_802.11a 6Mbps\_Left Cheek\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.78$  mho/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.390 mW/g

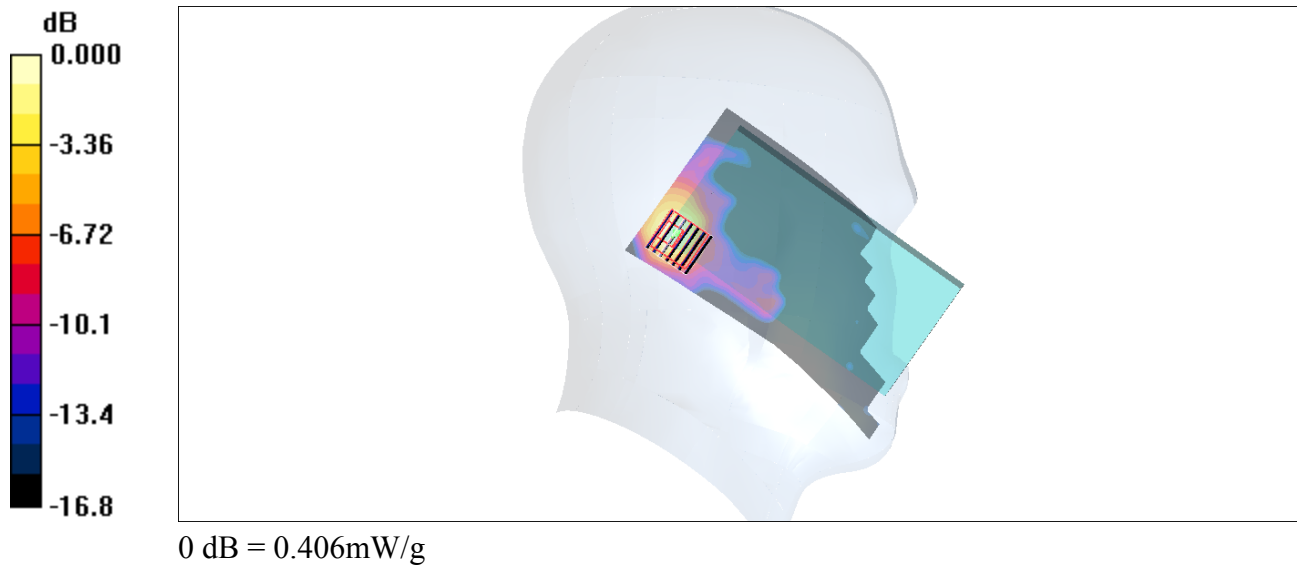
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.72 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.591 W/kg

**SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.406 mW/g



**#41\_WLAN 5GHz\_802.11a 6Mbps\_Left Tilted\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.78$  mho/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.418 mW/g

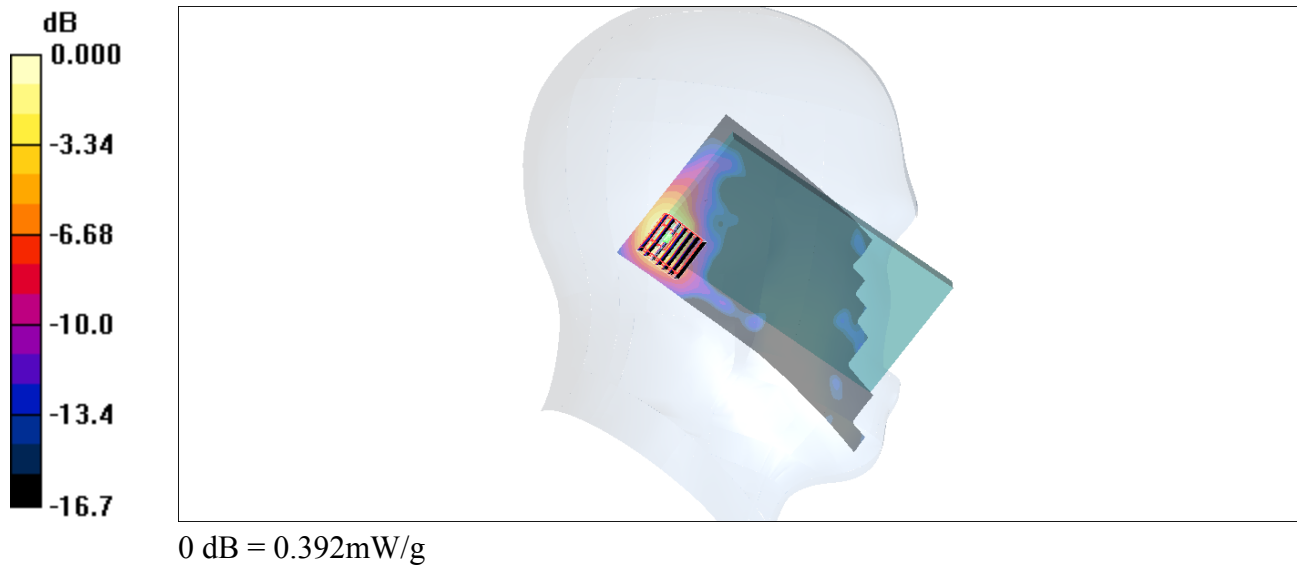
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.84 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.549 W/kg

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.392 mW/g



**#42\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Right Tilted\_Ch42**

Communication System: 802.11ac; Frequency: 5210 MHz; Duty Cycle: 1:1.752

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5210$  MHz;  $\sigma = 4.81$  mho/m;  $\epsilon_r = 35.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch42/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.173 mW/g

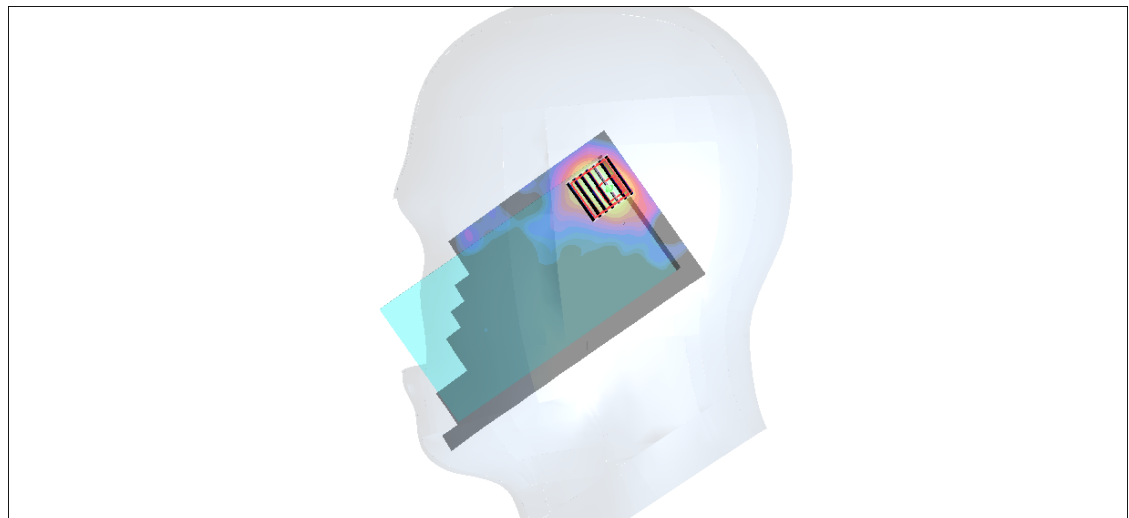
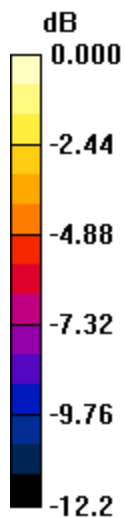
**Ch42/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.74 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g



0 dB = 0.178mW/g

**#43\_WLAN 5GHz\_802.11a 6Mbps\_Right Cheek\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.93$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.304 mW/g

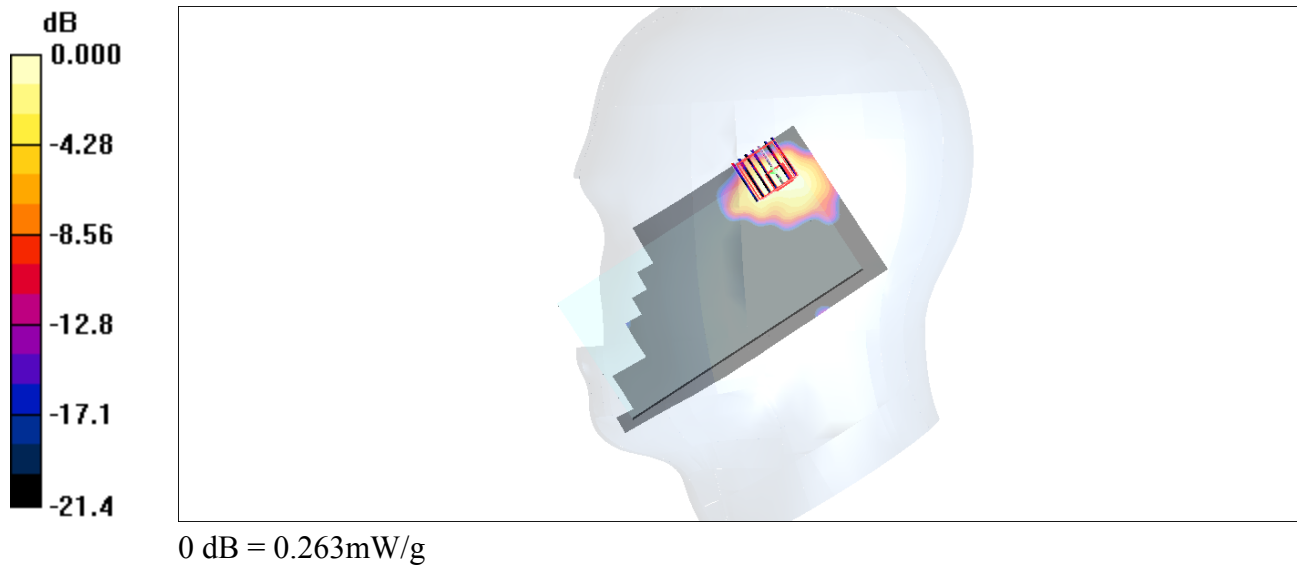
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.65 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.263 mW/g



**#44\_WLAN 5GHz\_802.11a 6Mbps\_Right Tilted\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.93$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.288 mW/g

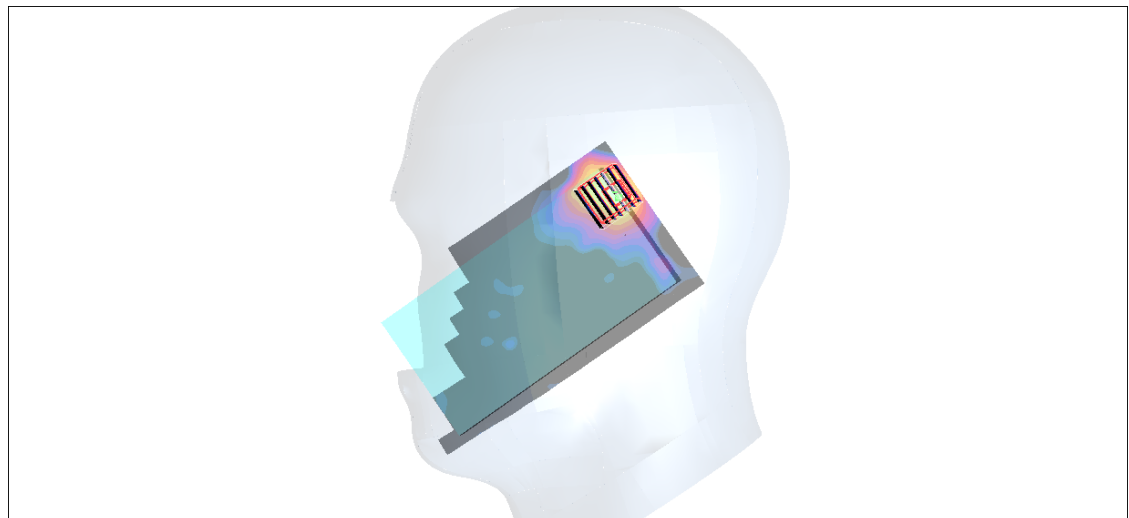
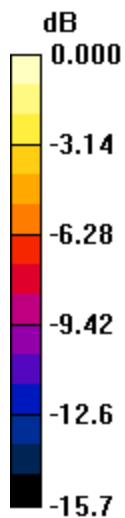
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.50 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.427 W/kg

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.288 mW/g



0 dB = 0.288mW/g

**#12\_WLAN 5GHz\_802.11a 6Mbps\_Left Cheek\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.93$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.249 mW/g

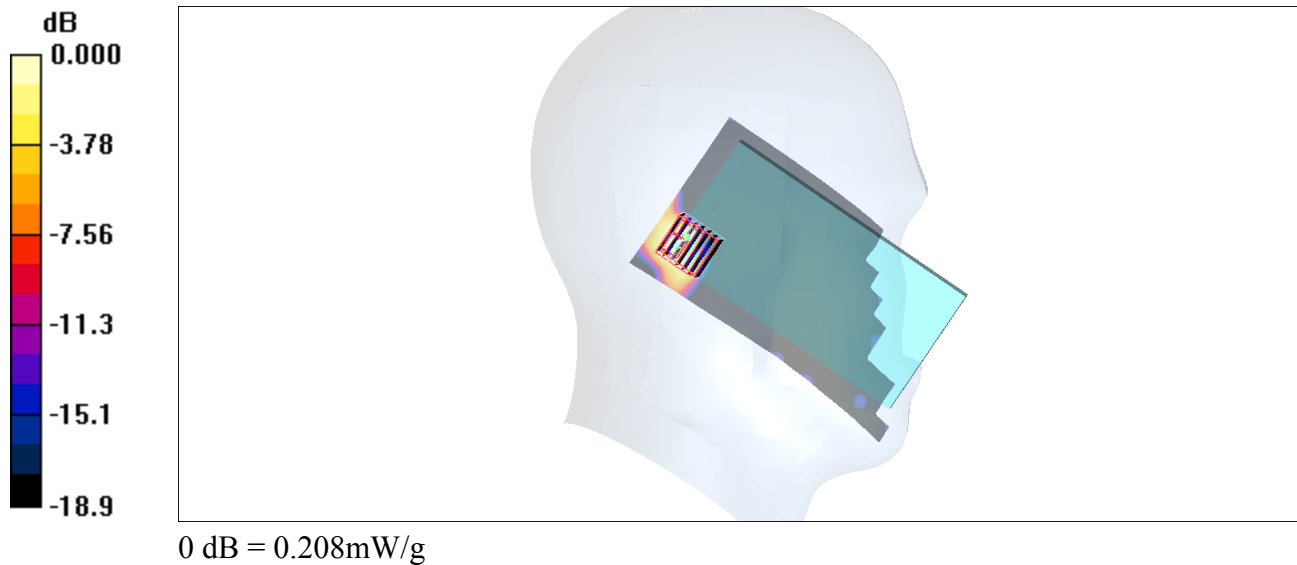
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.31 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.298 W/kg

**SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.208 mW/g





**#13\_WLAN 5GHz\_802.11a 6Mbps\_Left Tilted\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.93$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.196 mW/g

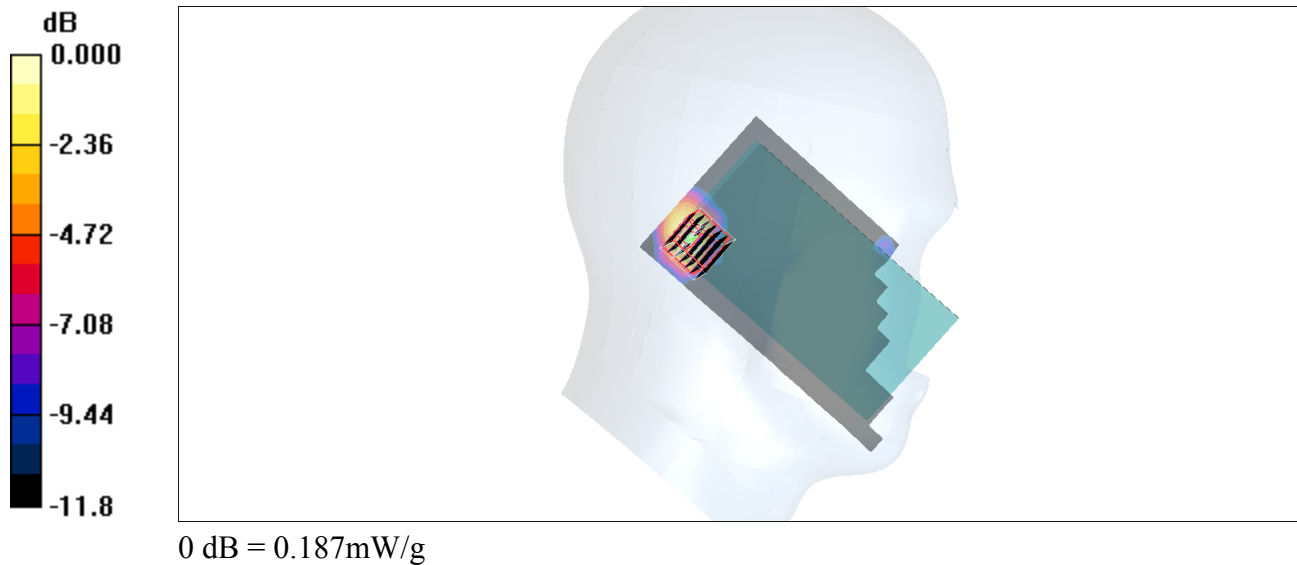
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.17 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.187 mW/g



**#14\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Right Tilted\_Ch58**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.752

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.9$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch58/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.142 mW/g

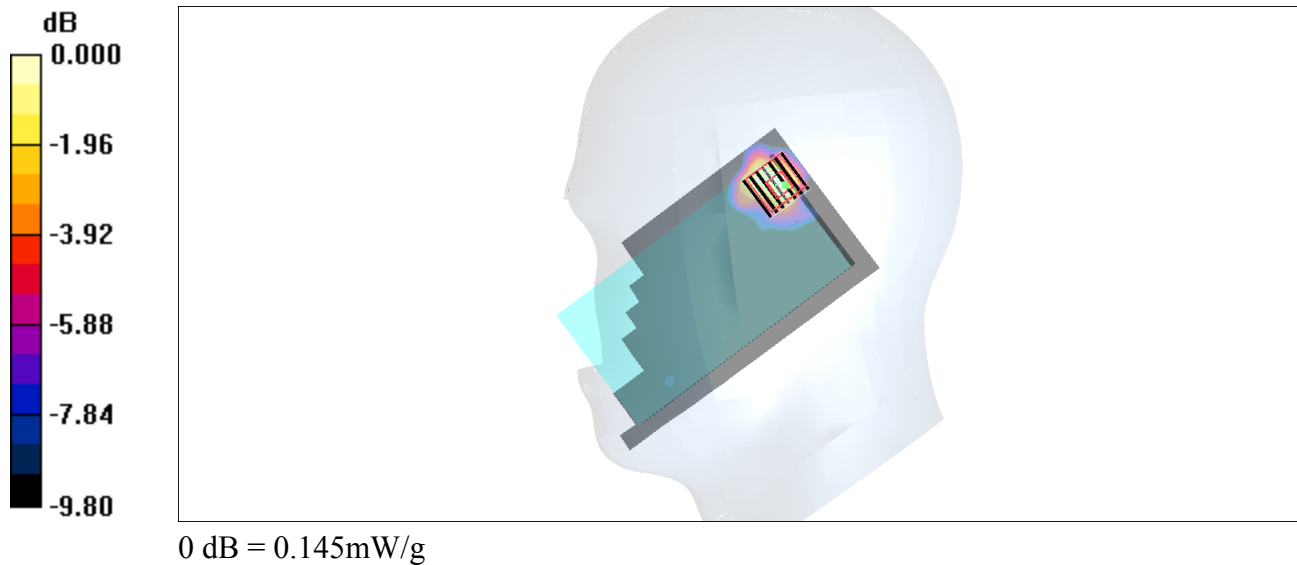
**Ch58/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.10 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.226 W/kg

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.145 mW/g



**#15\_WLAN 5GHz\_802.11a 6Mbps\_Right Cheek\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.19$  mho/m;  $\epsilon_r = 34.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.31, 4.31, 4.31); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.653 mW/g

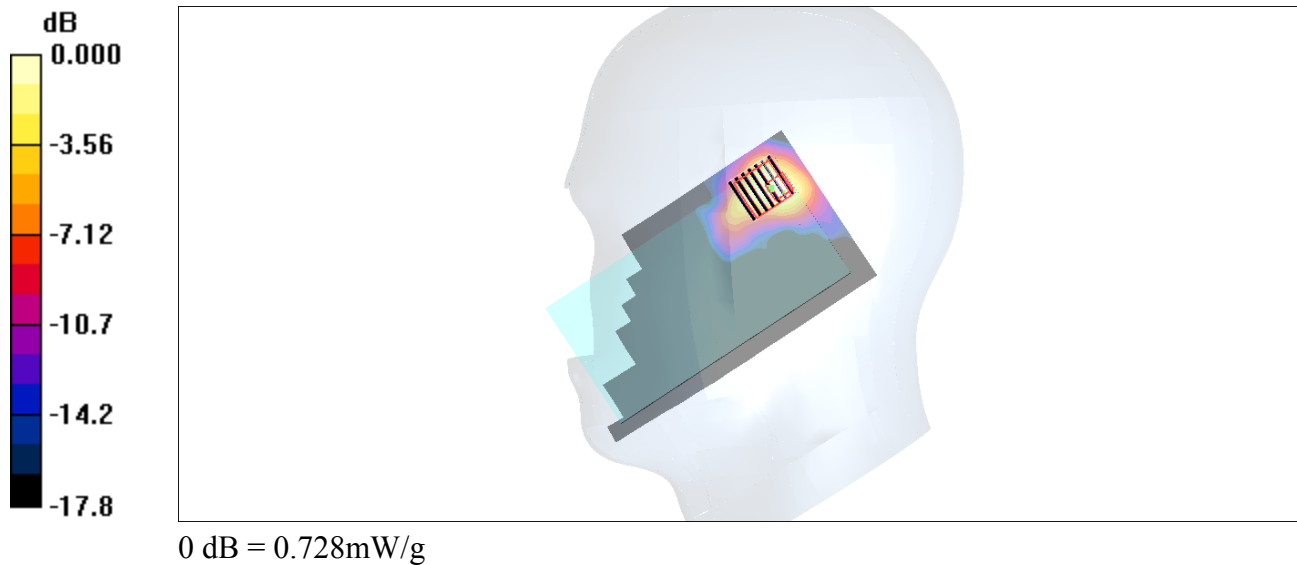
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.7 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.728 mW/g



**#16\_WLAN 5GHz\_802.11a 6Mbps\_Right Tilted\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.19$  mho/m;  $\epsilon_r = 34.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.31, 4.31, 4.31); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.703 mW/g

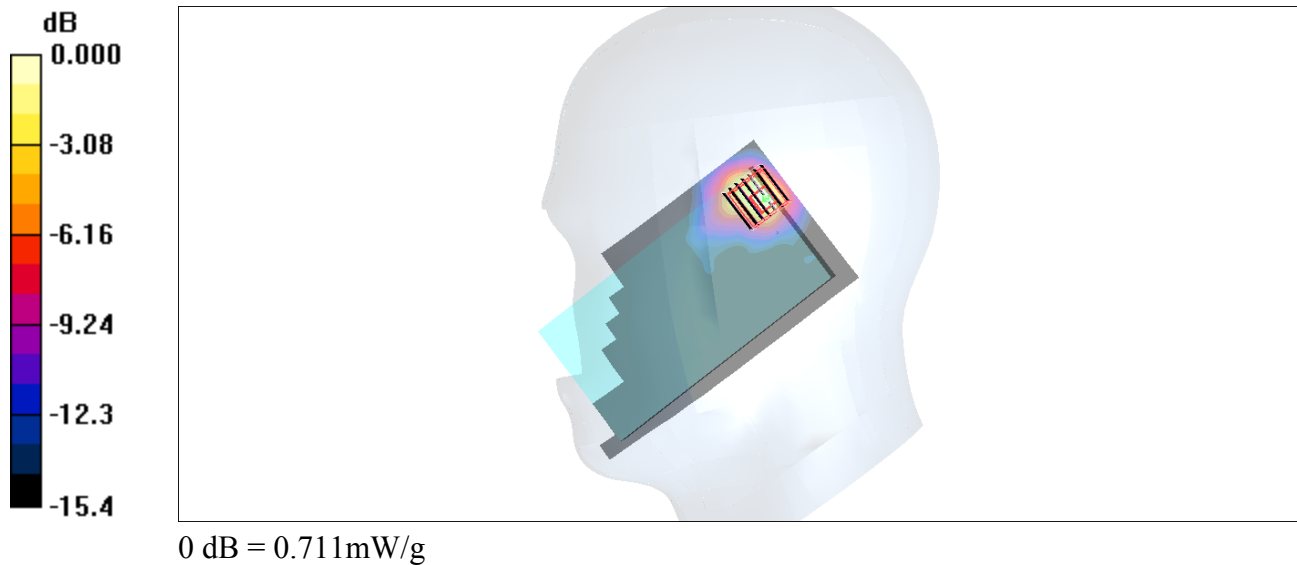
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.1 V/m; Power Drift = 0.145 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.711 mW/g



**#17\_WLAN 5GHz\_802.11a 6Mbps\_Left Cheek\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.19$  mho/m;  $\epsilon_r = 34.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.31, 4.31, 4.31); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.596 mW/g

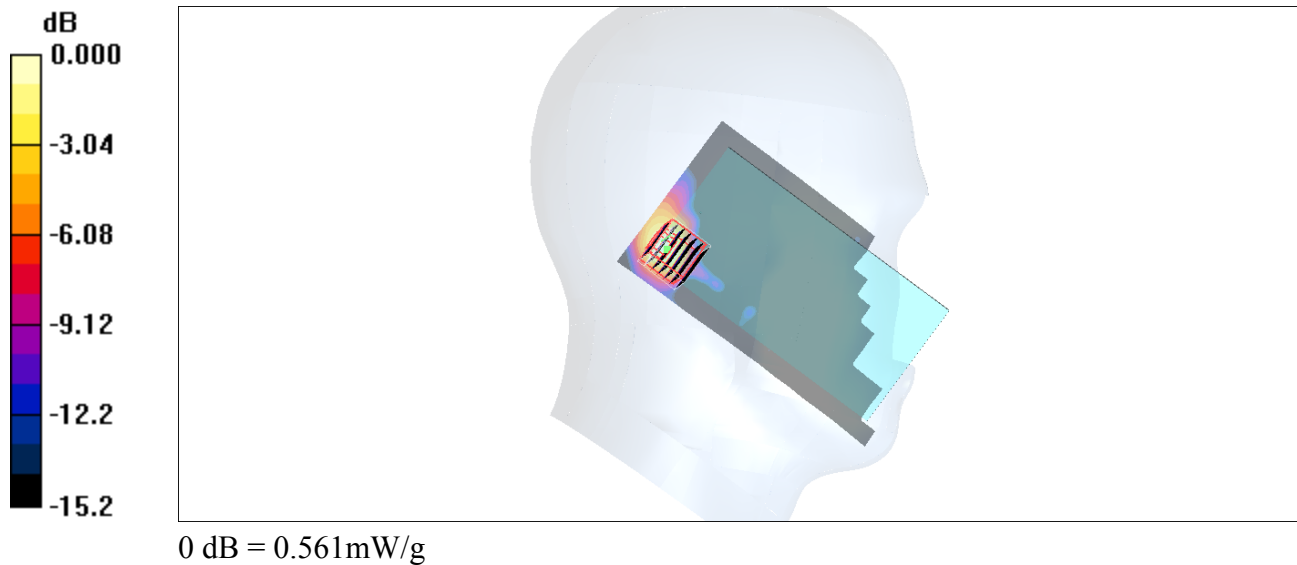
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.5 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 0.851 W/kg

**SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.561 mW/g



**#18\_WLAN 5GHz\_802.11a 6Mbps\_Left Tilted\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.19$  mho/m;  $\epsilon_r = 34.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.31, 4.31, 4.31); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.596 mW/g

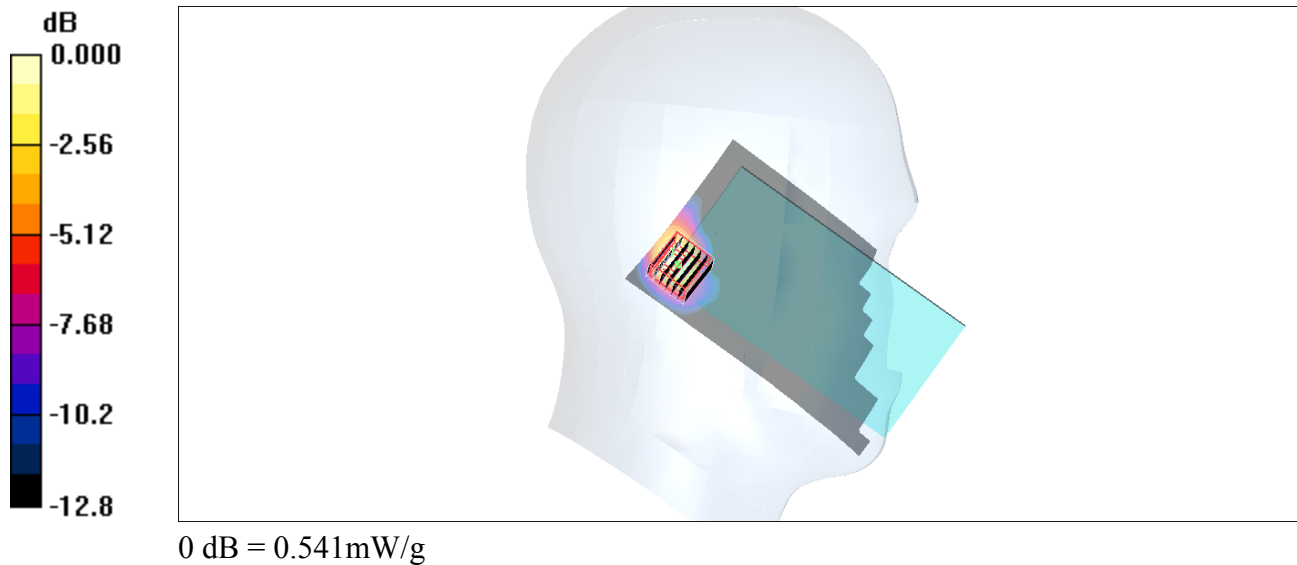
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.3 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.821 W/kg

**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.541 mW/g



**#19\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch106**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.752

Medium: HSL\_5G\_131011 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.15$  mho/m;  $\epsilon_r = 34.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch106/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.206 mW/g

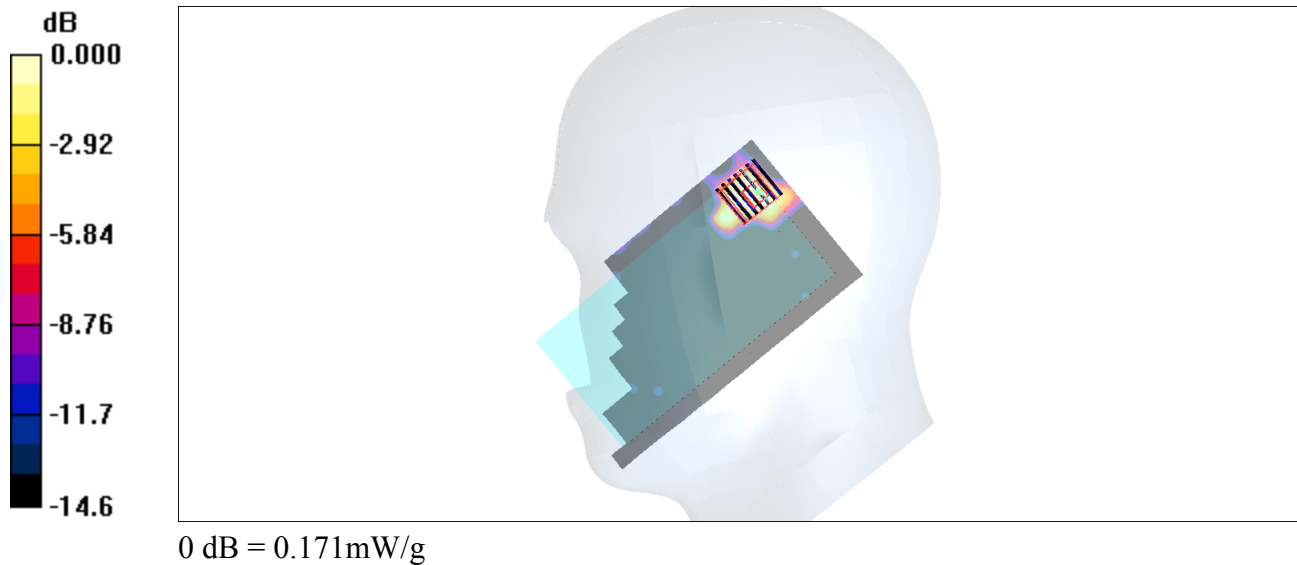
**Ch106/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.73 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.171 mW/g



**#01 GSM1900\_GPRS (GMSK 1 Tx slots)\_Front\_1Cm\_Ch810**

Communication System: GPRS/EDGE (1 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.395 W/kg

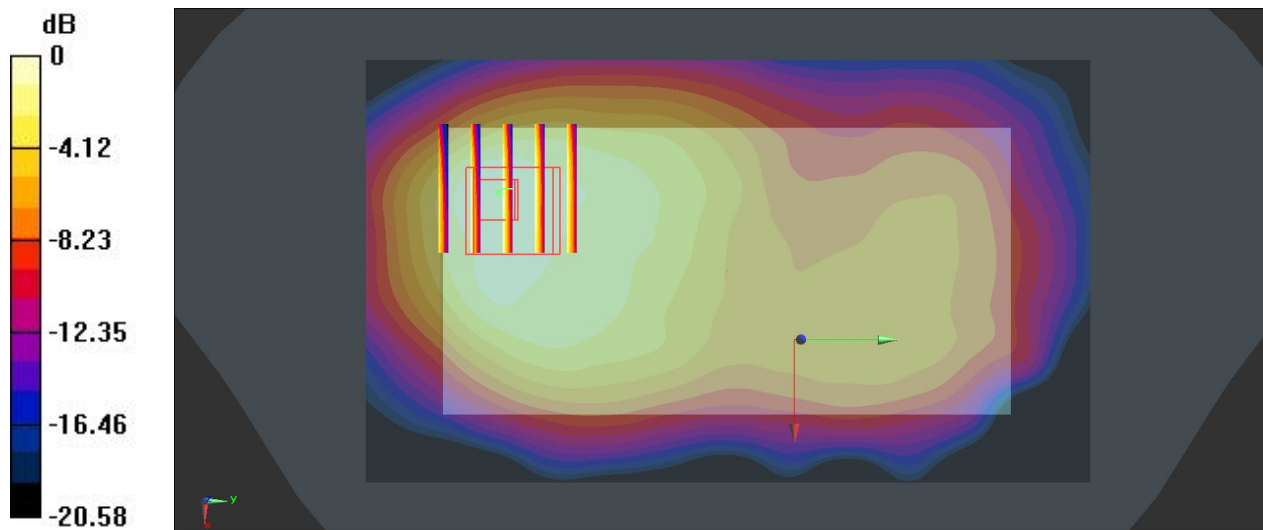
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.054 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.162 W/kg**

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





**#02 GSM1900\_GPRS (GMSK 1 Tx slots)\_Back\_1Cm\_Ch810**

Communication System: GPRS/EDGE (1 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.369 W/kg

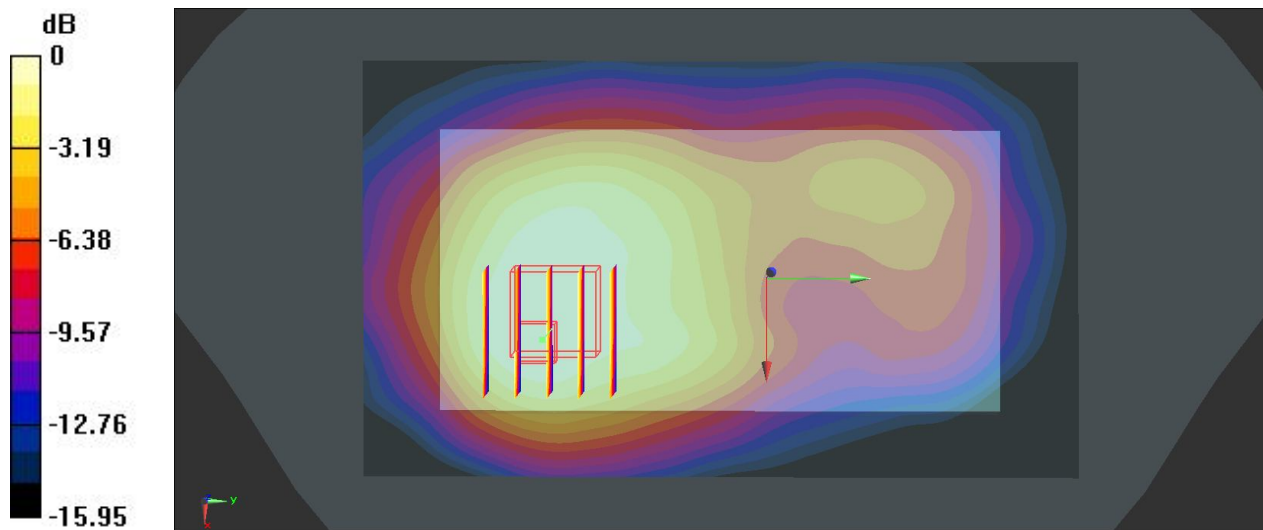
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.661 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.432 W/kg

**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.176 W/kg**

Maximum value of SAR (measured) = 0.342 W/kg



**#03 GSM1900\_GPRS (GMSK 1 Tx slots)\_Left side\_1Cm\_Ch810**

Communication System: GPRS/EDGE (1 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (31x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 W/kg

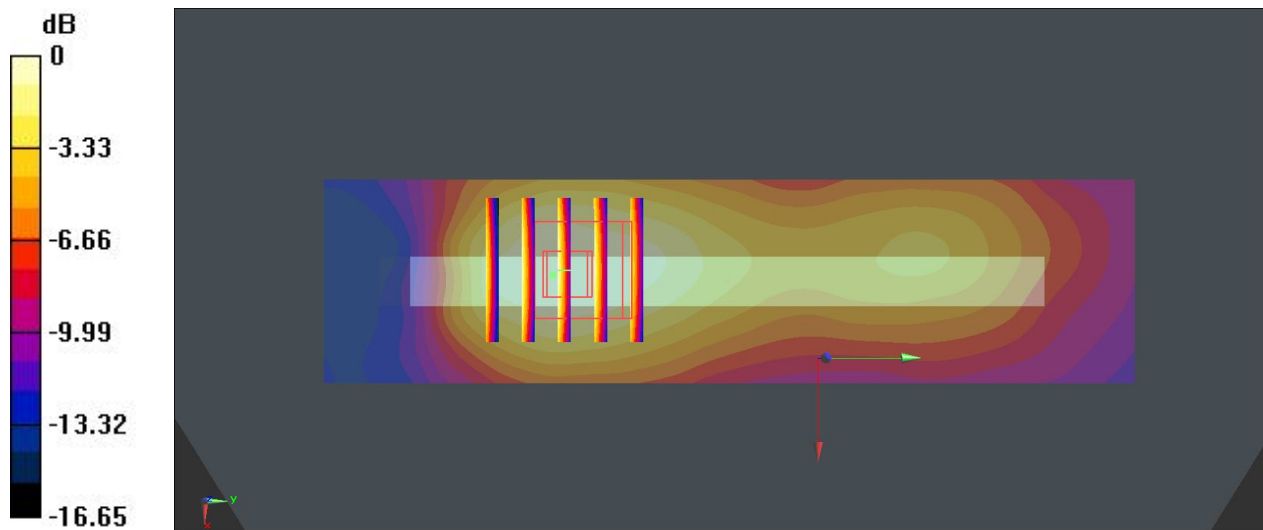
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.863 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg

**#04 GSM1900\_GPRS (GMSK 1 Tx slots)\_Right side\_1Cm\_Ch810**

Communication System: GPRS/EDGE (1 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (31x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0609 W/kg

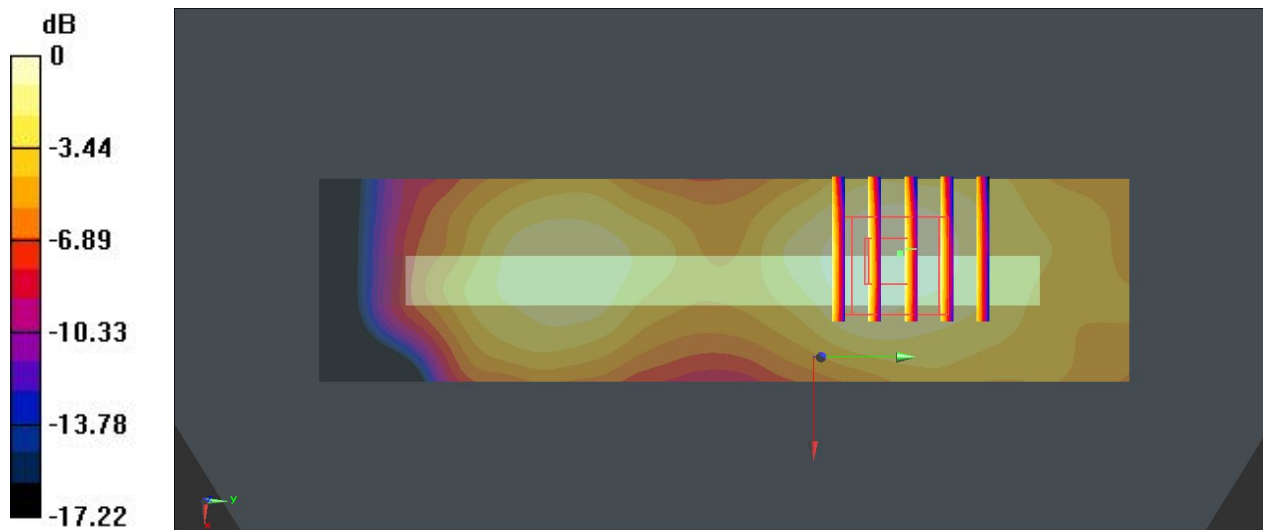
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.378 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0770 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0597 W/kg



0 dB = 0.0597 W/kg

**#05 GSM1900\_GPRS (GMSK 1 Tx slots)\_Bottom side\_1Cm\_Ch810**

Communication System: GPRS/EDGE (1 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (31x71x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.480 W/kg

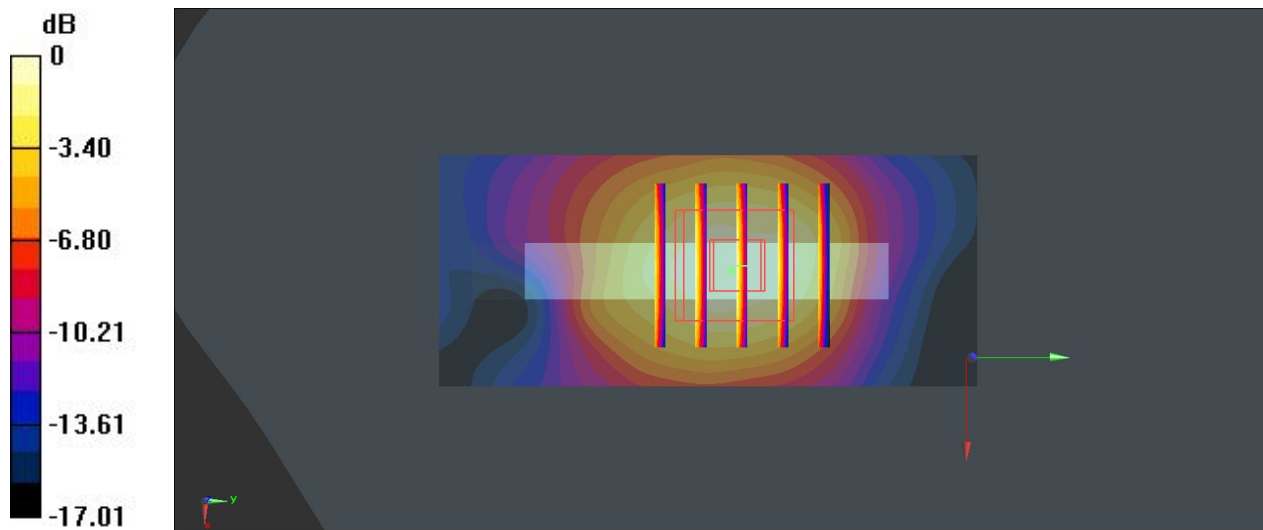
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.965 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.196 W/kg**

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg

**#06 GSM1900\_GSM Voice\_Front\_1Cm\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.388 W/kg

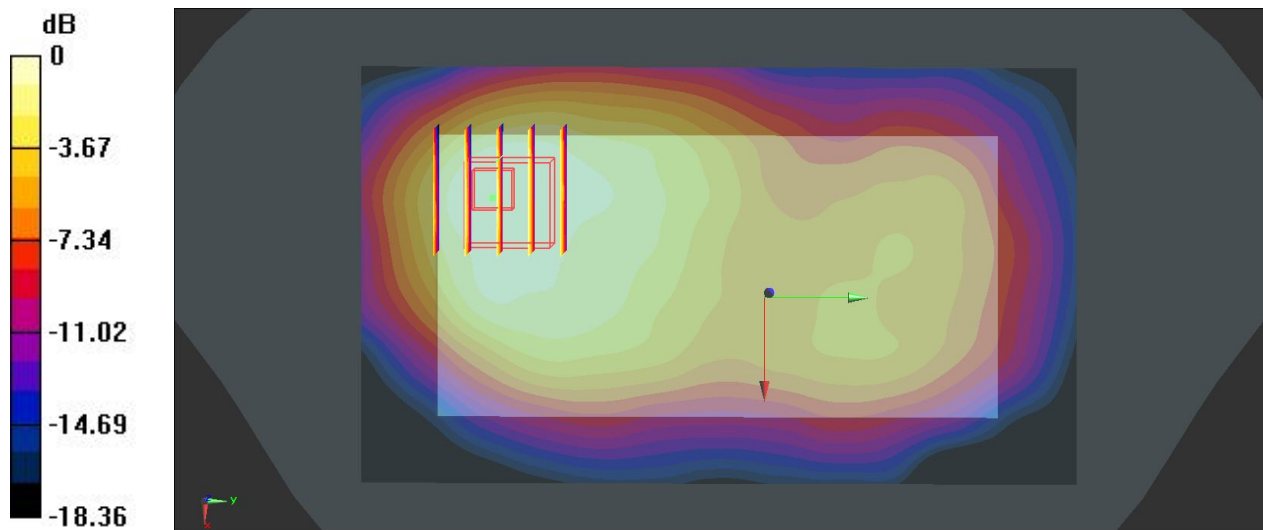
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.368 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.413 W/kg

**SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg

**#07 GSM1900\_GSM Voice\_Back\_1Cm\_Ch810**

Communication System: GSM Voice; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: MSL\_1900\_130929 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 54.559$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch810/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.378 W/kg

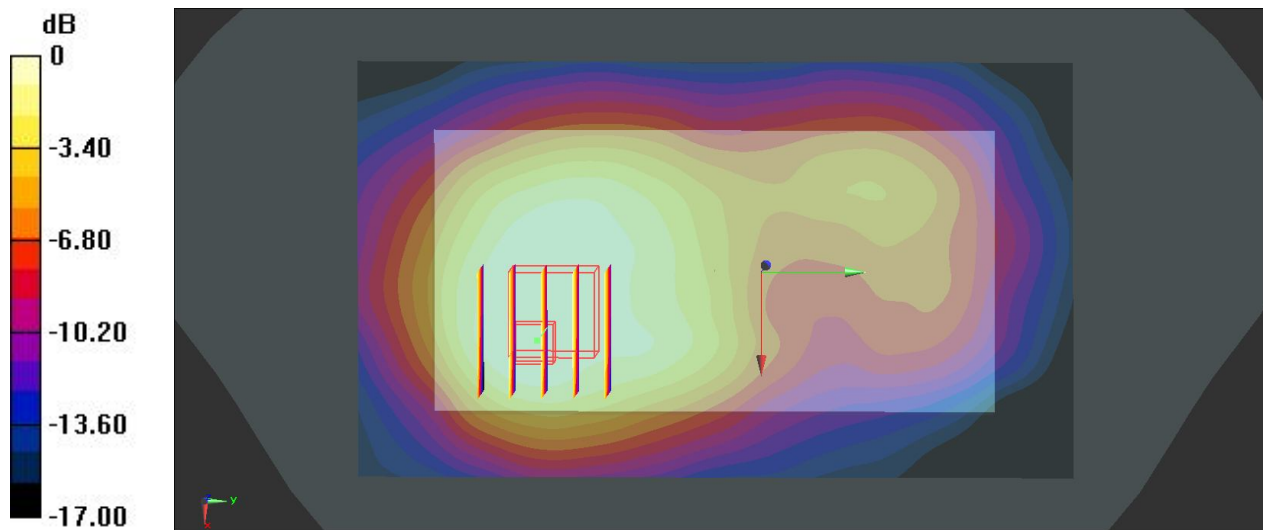
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.637 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.432 W/kg

**SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.174 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg

**#29\_WLAN 2.4GHz\_802.11b 1Mbps\_Front\_1cm\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: MSL\_2450\_131012 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.84, 6.84, 6.84); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.087 mW/g

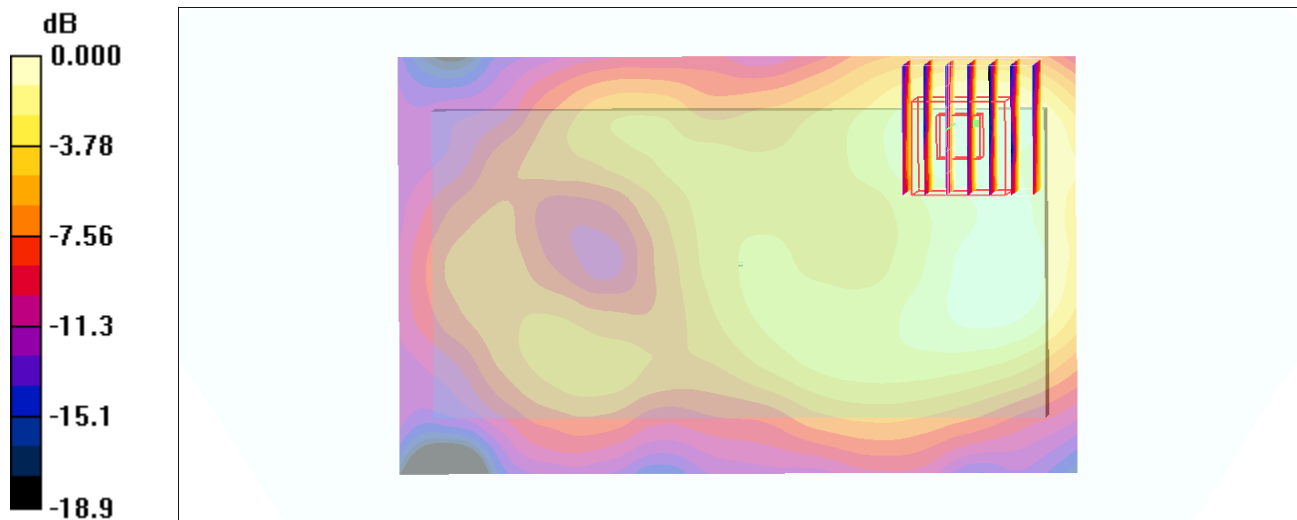
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.07 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.034 mW/g**

Maximum value of SAR (measured) = 0.083 mW/g



0 dB = 0.083mW/g

**#30\_WLAN 2.4GHz\_802.11b 1Mbps\_Back\_1cm\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: MSL\_2450\_131012 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.84, 6.84, 6.84); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.113 mW/g

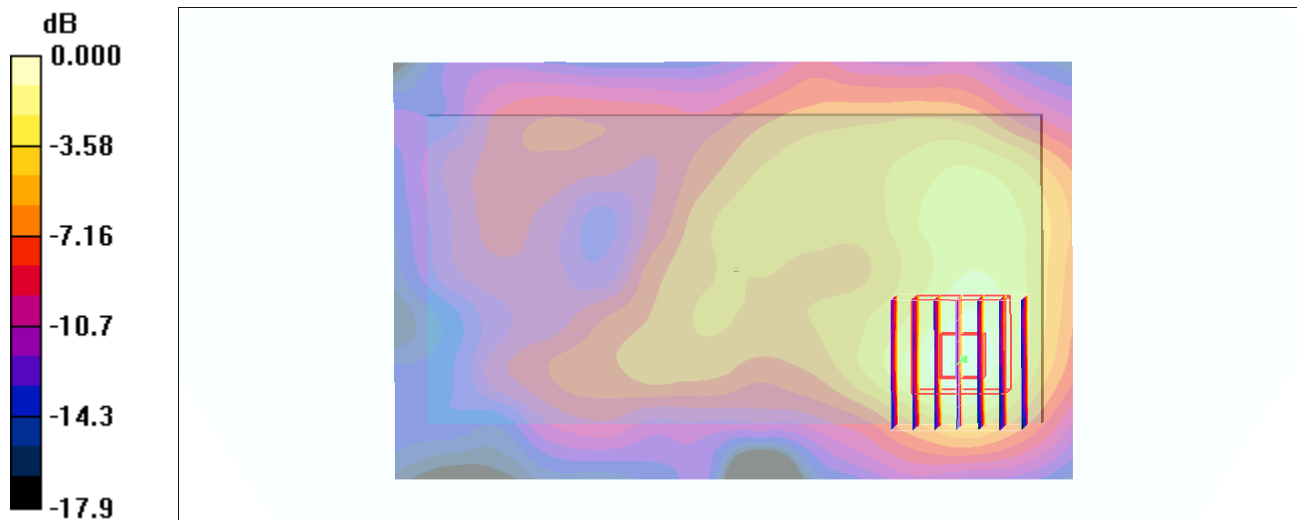
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.41 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.039 mW/g**

Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g



**#31\_WLAN 2.4GHz\_802.11b 1Mbps\_Left Side\_1cm\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: MSL\_2450\_131012 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.84, 6.84, 6.84); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (41x131x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.042 mW/g

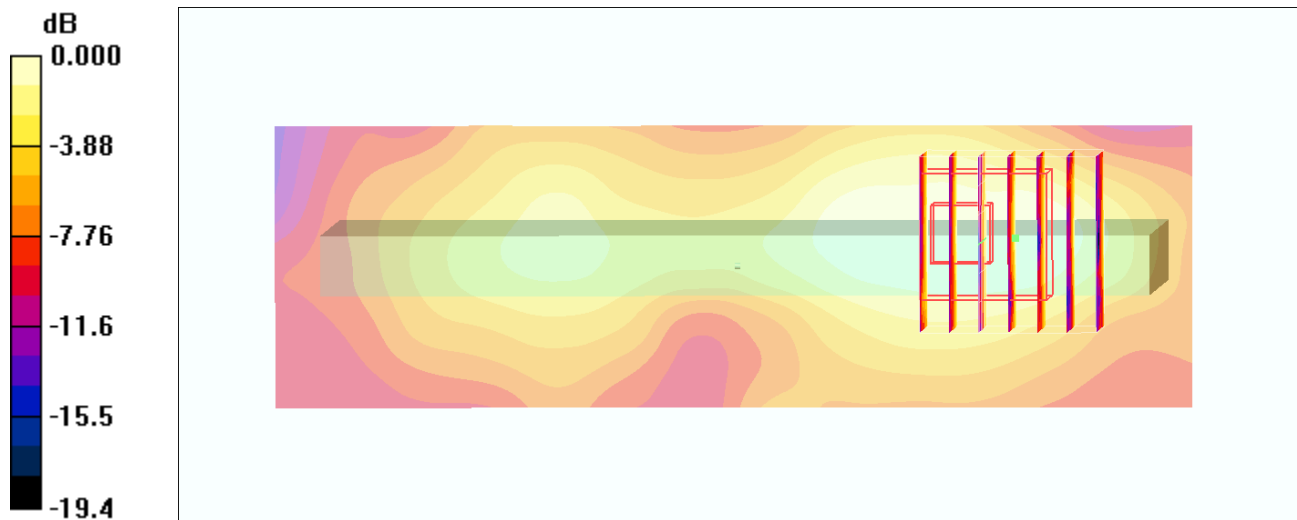
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.25 V/m; Power Drift = 0.103 dB

Peak SAR (extrapolated) = 0.055 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g

**#33\_WLAN 2.4GHz\_802.11b 1Mbps\_Top Side\_1cm\_Ch1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.018

Medium: MSL\_2450\_131012 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.84, 6.84, 6.84); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1/Area Scan (41x81x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.076 mW/g

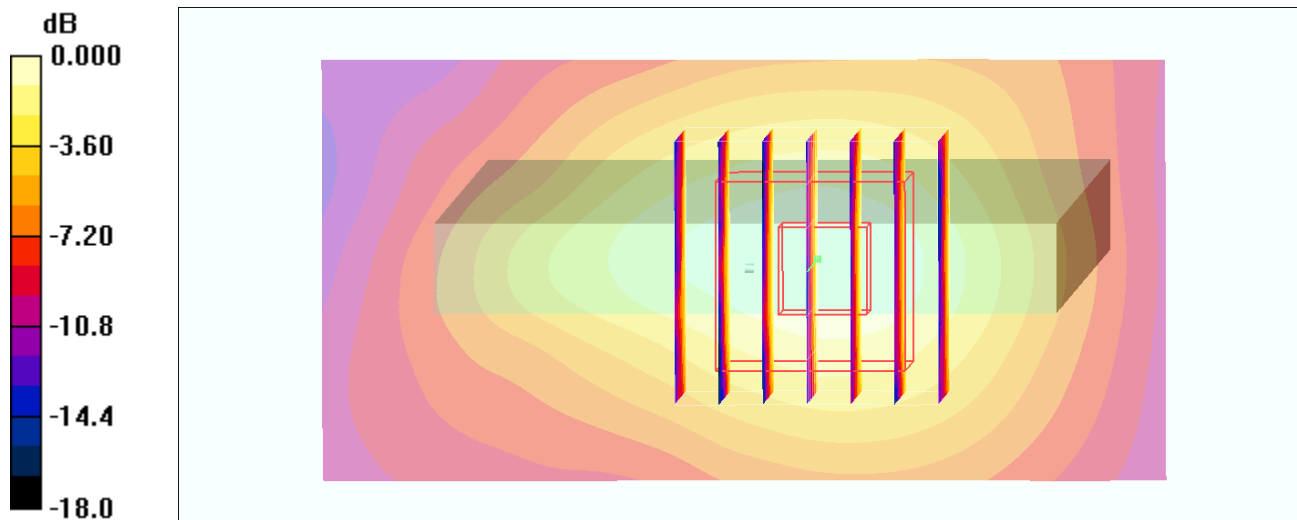
**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.27 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.095 W/kg

**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.073 mW/g



0 dB = 0.073mW/g

**#20\_WLAN 5GHz\_802.11a 6Mbps\_Front\_1cm\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.25$  mho/m;  $\epsilon_r = 47.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.130 mW/g

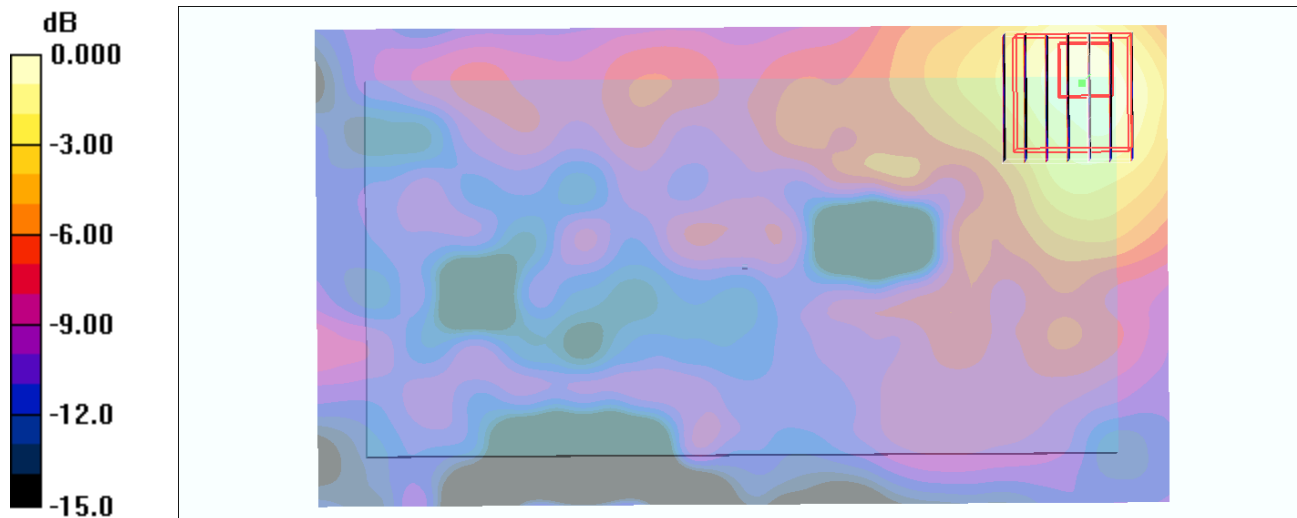
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.23 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.198 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.133 mW/g



0 dB = 0.133mW/g

**#21\_WLAN 5GHz\_802.11a 6Mbps\_Back\_1cm\_Ch36**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.25$  mho/m;  $\epsilon_r = 47.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.202 mW/g

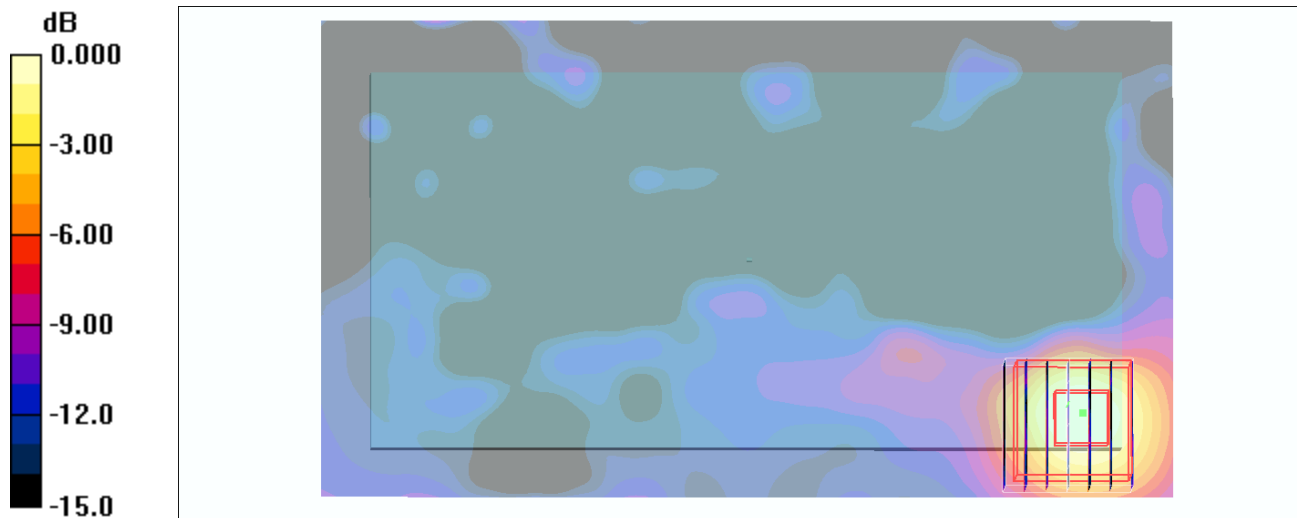
**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.82 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g



0 dB = 0.172mW/g

**#22\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Back\_1cm\_Ch42**

Communication System: 802.11ac; Frequency: 5210 MHz; Duty Cycle: 1:1.752

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5210$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 47.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch42/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.078 mW/g

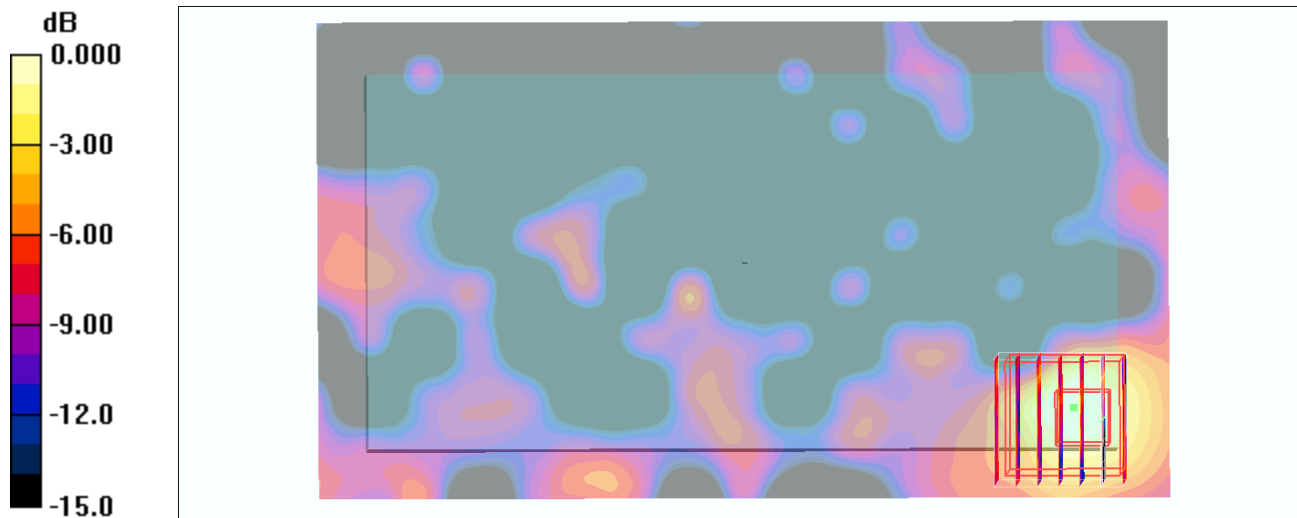
**Ch42/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.53 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.063 mW/g



0 dB = 0.063mW/g

**#23\_WLAN 5GHz\_802.11a 6Mbps\_Front\_1cm\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.44$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.140 mW/g

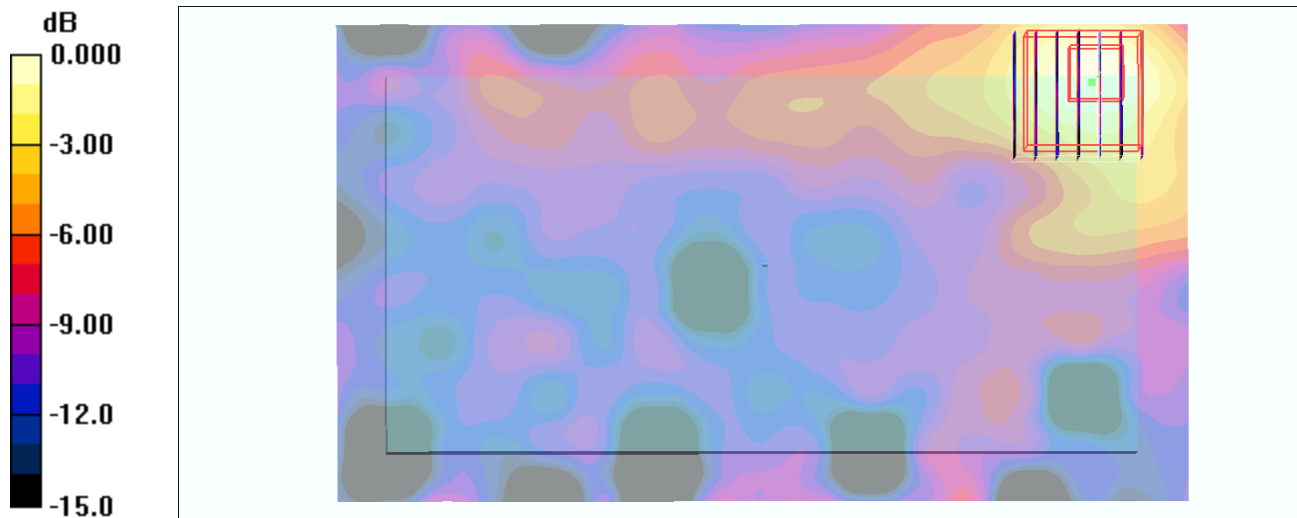
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.40 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.130 mW/g



0 dB = 0.130mW/g

**#24\_WLAN 5GHz\_802.11a 6Mbps\_Back\_1cm\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.44$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch64/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.198 mW/g

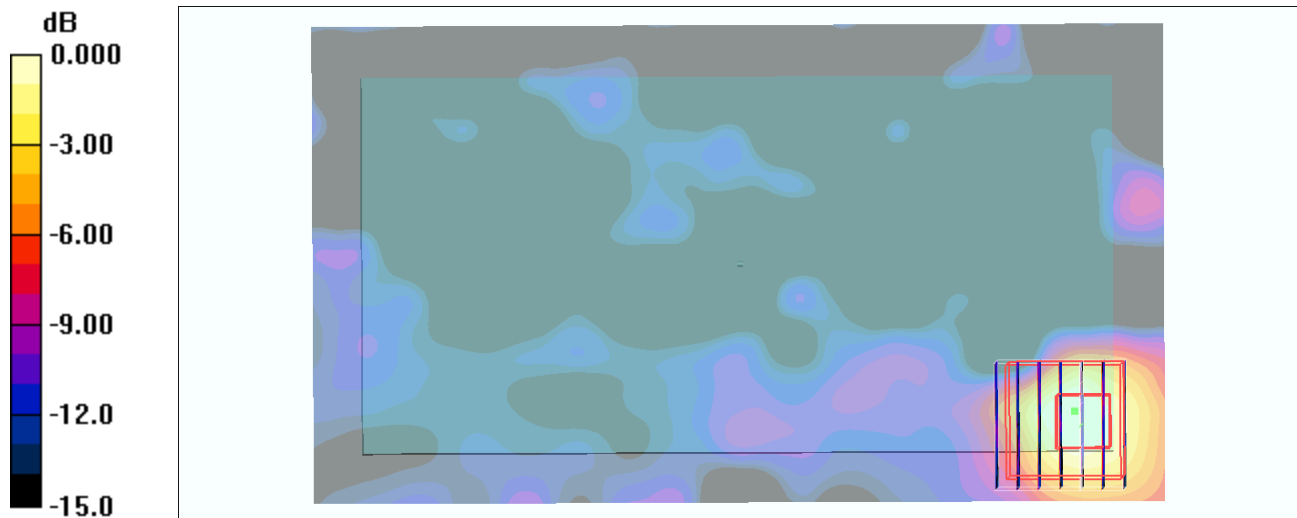
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.55 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.171 mW/g



**#25\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Back\_1cm\_Ch58**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.752

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.41$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch58/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.068 mW/g

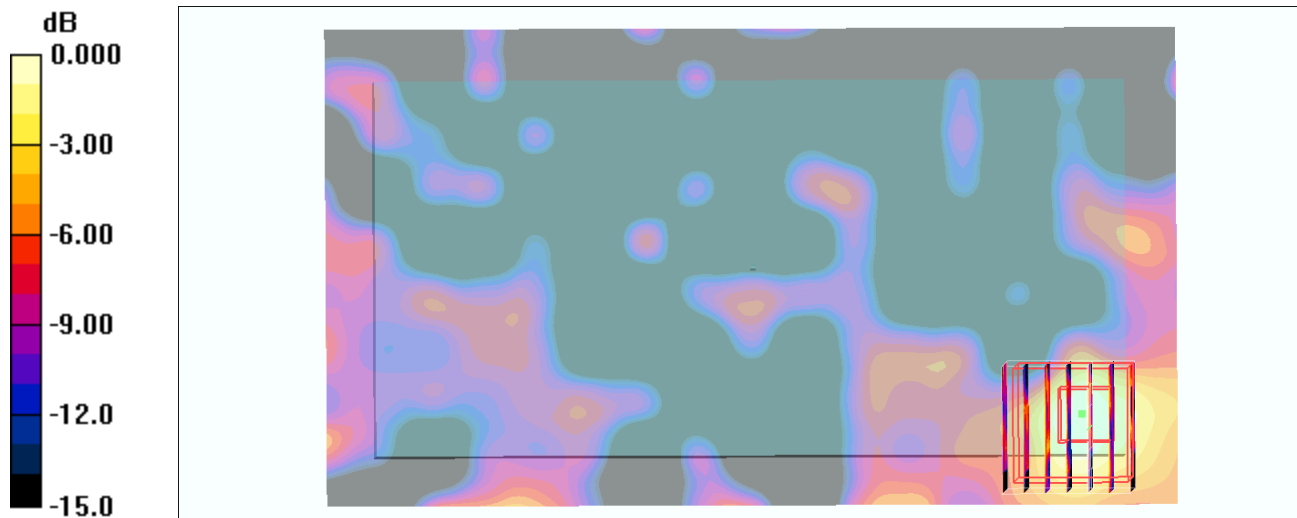
**Ch58/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.42 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.113 W/kg

**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.00803 mW/g**

Maximum value of SAR (measured) = 0.056 mW/g



0 dB = 0.056mW/g



**#26\_WLAN 5GHz\_802.11a 6Mbps\_Front\_1cm\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.39, 3.39, 3.39); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.159 mW/g

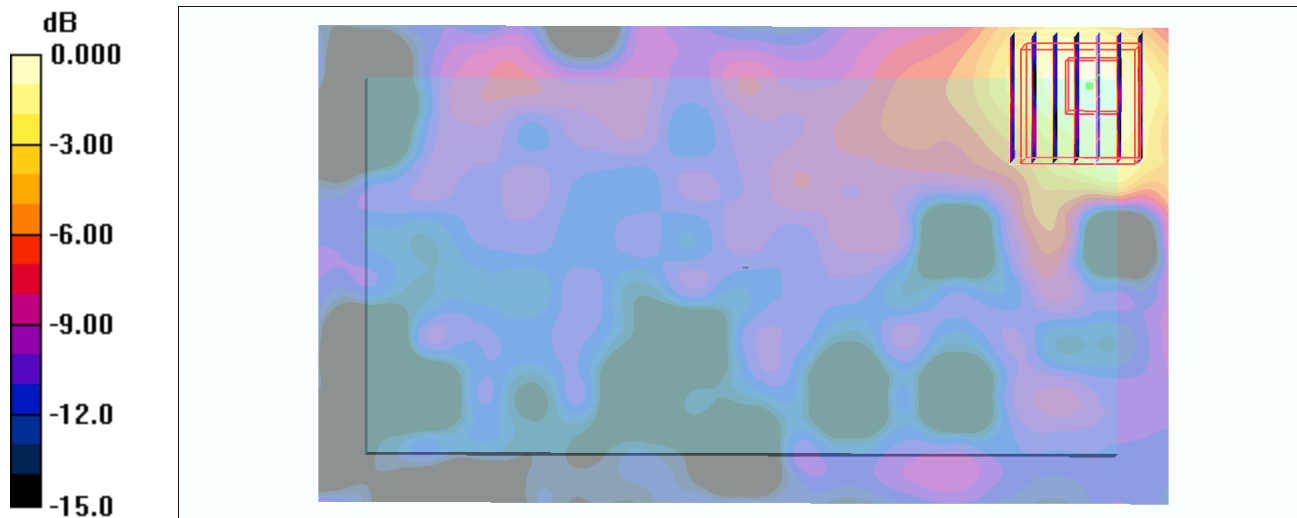
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.05 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.165 mW/g



0 dB = 0.165mW/g

**#27\_WLAN 5GHz\_802.11a 6Mbps\_Back\_1cm\_Ch116**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.126

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.8$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.39, 3.39, 3.39); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.244 mW/g

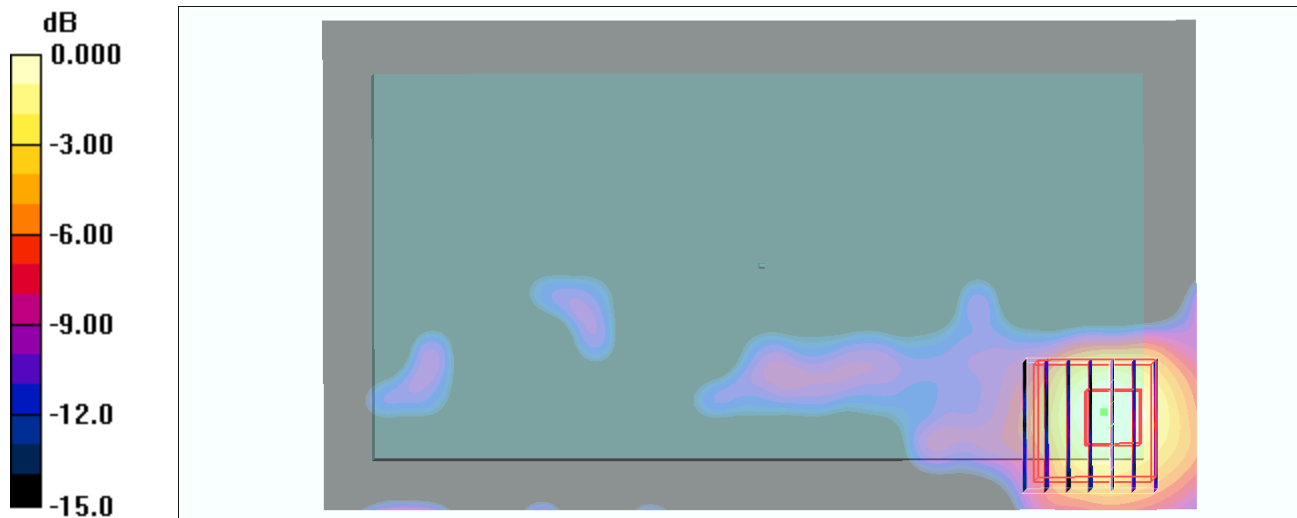
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.88 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.213 mW/g



0 dB = 0.213mW/g

**#28\_WLAN 5GHz\_802.11ac-VHT80 MCS0\_Back\_1cm\_Ch106**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.752

Medium: MSL\_5G\_131012 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.73$  mho/m;  $\epsilon_r = 47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.63, 3.63, 3.63); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch106/Area Scan (91x161x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.068 mW/g

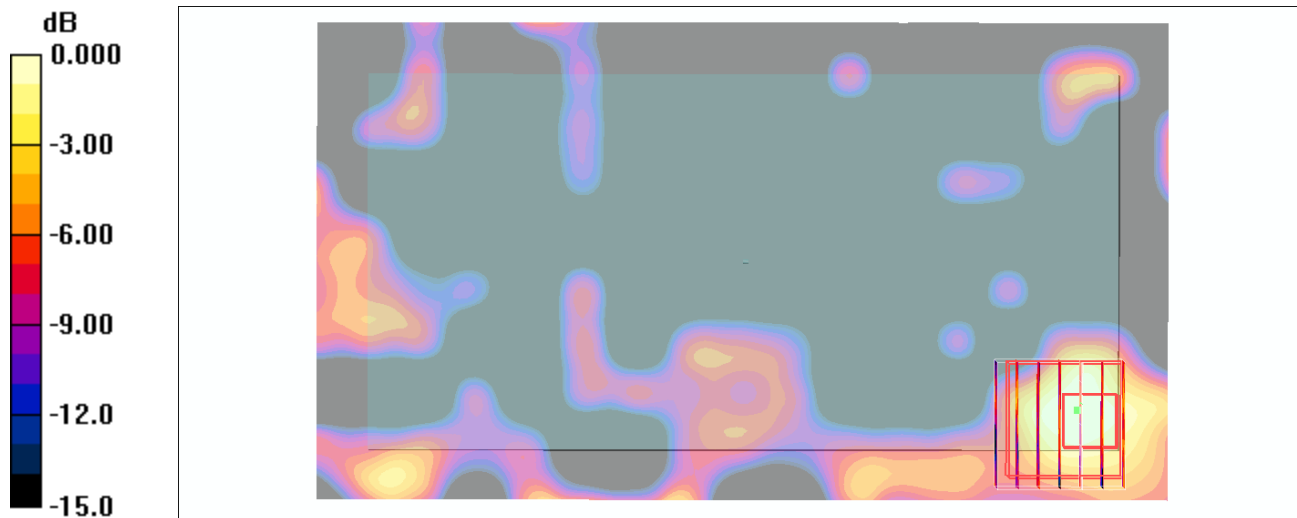
**Ch106/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.98 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.105 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.010 mW/g**

Maximum value of SAR (measured) = 0.058 mW/g



0 dB = 0.058mW/g