

**#01\_GSM850\_GPRS (4 Tx slots)\_Left Cheek\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_170830 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.892$  S/m;  $\epsilon_r = 42.823$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.99, 5.99, 5.99); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

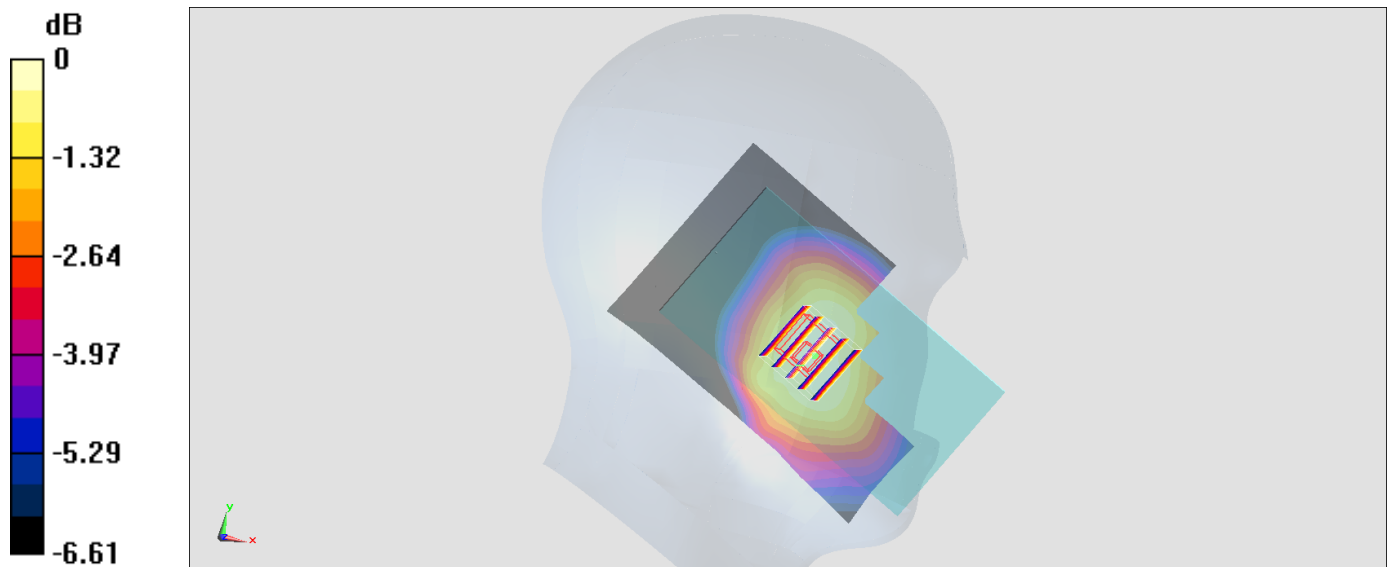
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.50 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.097 W/kg**

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



0 dB = 0.132 W/kg = -8.79 dBW/kg

**#02\_GSM1900\_GPRS (4 Tx slots)\_Left Cheek\_Ch661**

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium: HSL\_1900\_170902 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 39.205$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.03, 5.03, 5.03); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

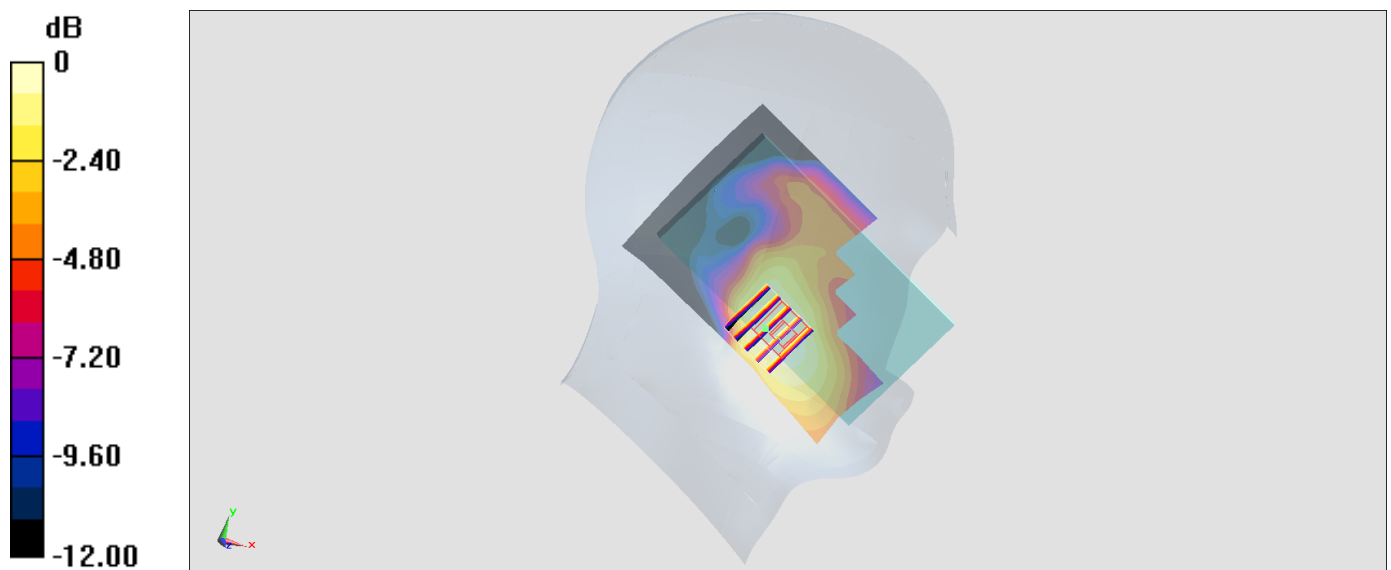
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.606 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.164 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Left Cheek\_Ch9262**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_170909 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 41.093$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.03, 5.03, 5.03); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.222 W/kg

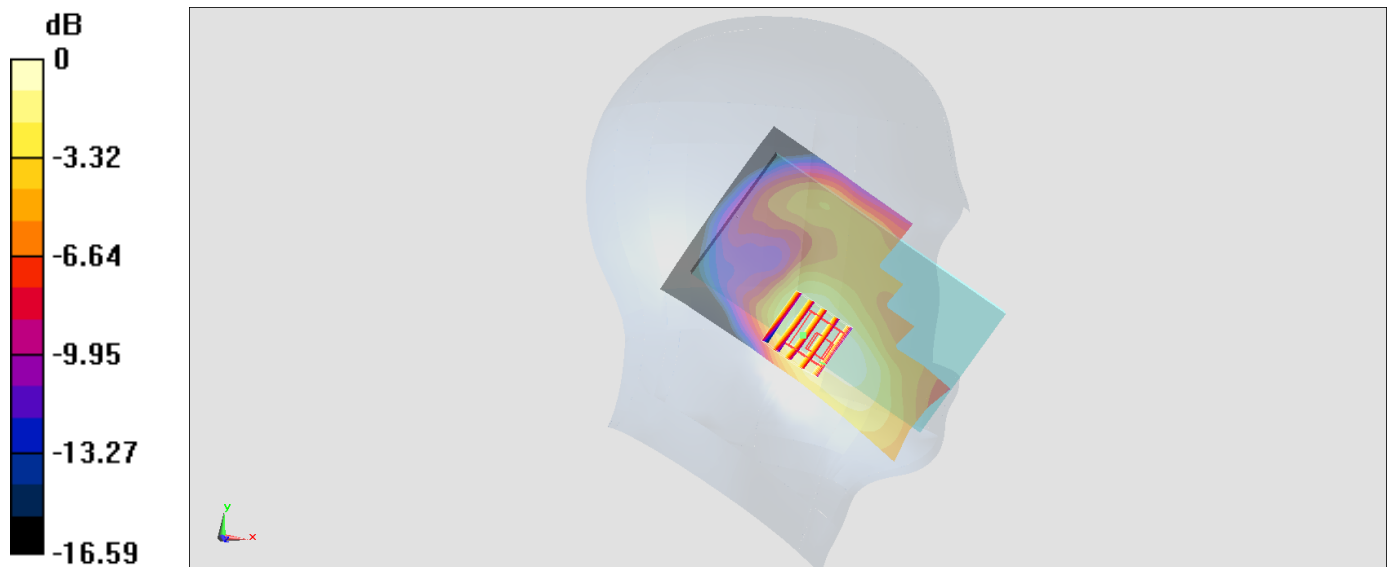
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.71 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.282 W/kg

**SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.122 W/kg**

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



0 dB = 0.212 W/kg = -6.74 dBW/kg

**#04\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_Ch4233**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_170830 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 42.514$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(5.99, 5.99, 5.99); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.621 W/kg

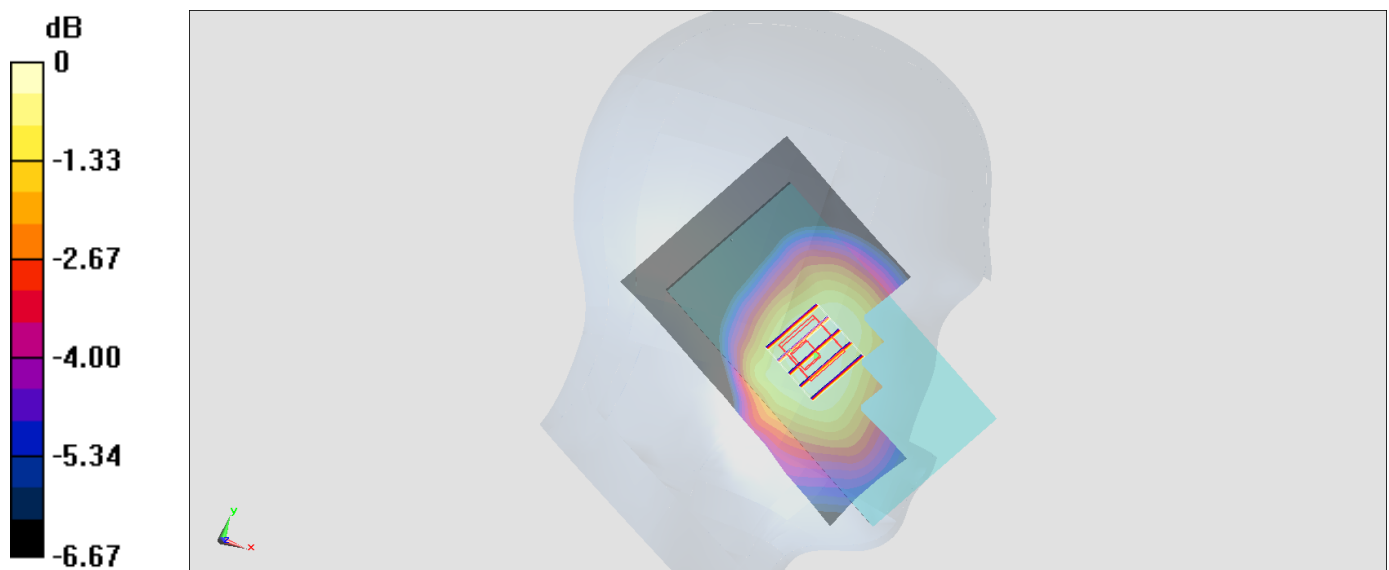
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.707 W/kg

**SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.453 W/kg**

Maximum value of SAR (measured) = 0.614 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg

**#05\_LTE Band 2\_20M\_QPSK\_1\_0\_Left Cheek\_Ch18700**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_170909 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 41.074$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.03, 5.03, 5.03); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

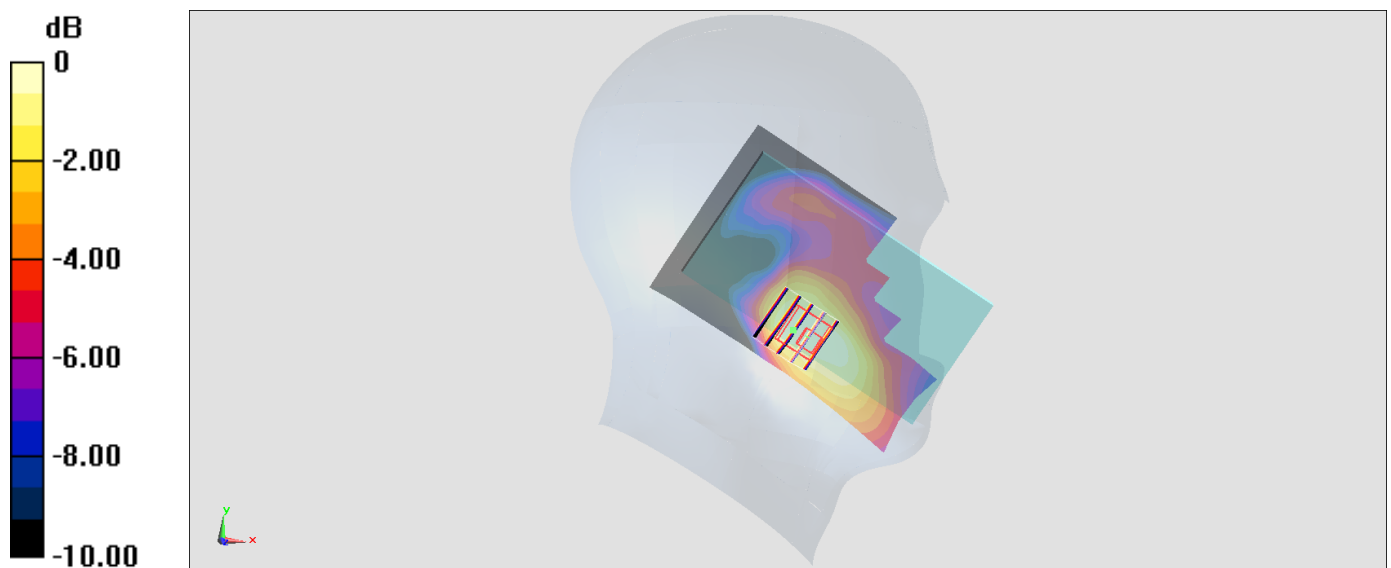
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.14 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.113 W/kg**

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



0 dB = 0.195 W/kg = -7.10 dBW/kg

**#06\_LTE Band 5\_10M\_QPSK\_1\_0\_Left Cheek\_Ch20525**

Communication System: LTE ; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_170830 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.903$  S/m;  $\epsilon_r = 42.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.99, 5.99, 5.99); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.304 W/kg

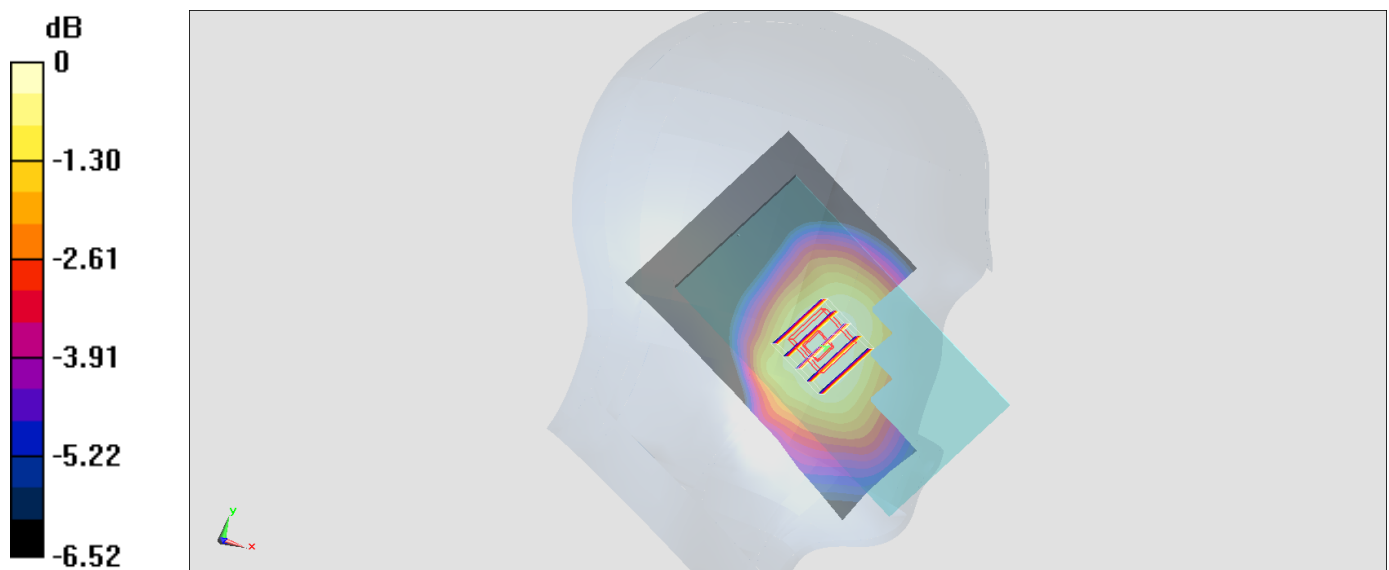
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.75 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.223 W/kg**

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



0 dB = 0.298 W/kg = -5.26 dBW/kg

**#07\_LTE Band 7\_20M\_QPSK\_1\_0\_Left Cheek\_Ch20850**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL\_2600\_170908 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.868$  S/m;  $\epsilon_r = 40.007$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.47, 4.47, 4.47); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

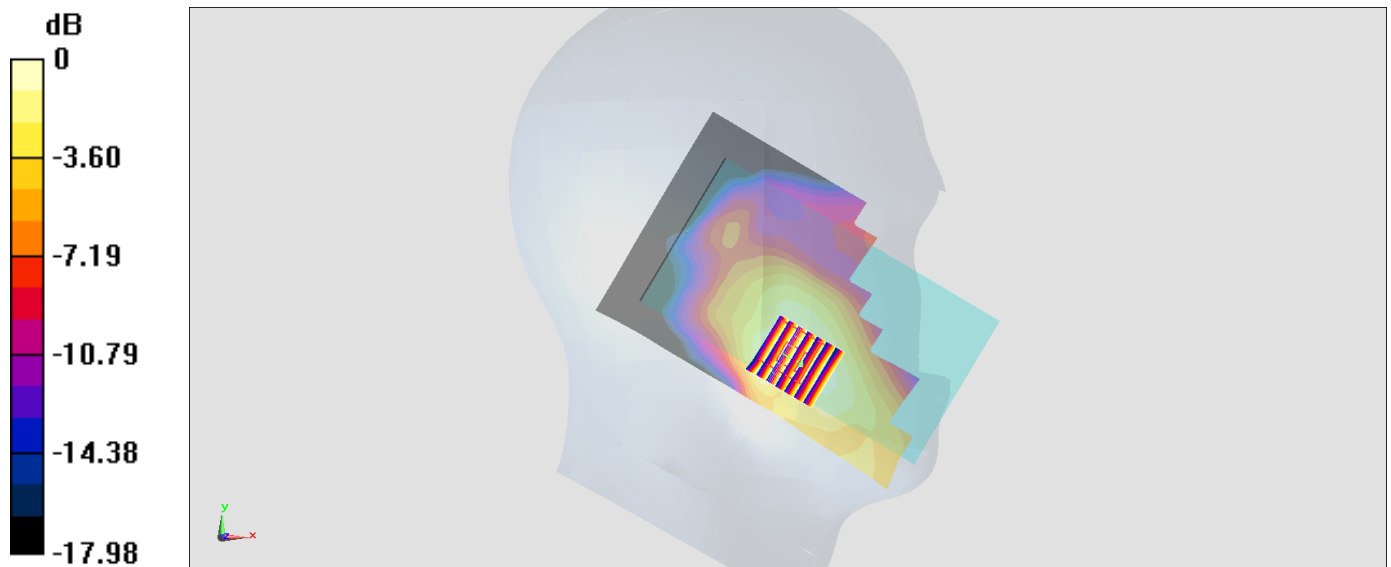
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.808 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.084 W/kg**

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



0 dB = 0.173 W/kg = -7.62 dBW/kg

**#08\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch1**

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

Medium: HSL\_2450\_170908 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.755$  S/m;  $\epsilon_r = 39.462$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7306; ConvF(7.49, 7.49, 7.49); Calibrated: 2017/7/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

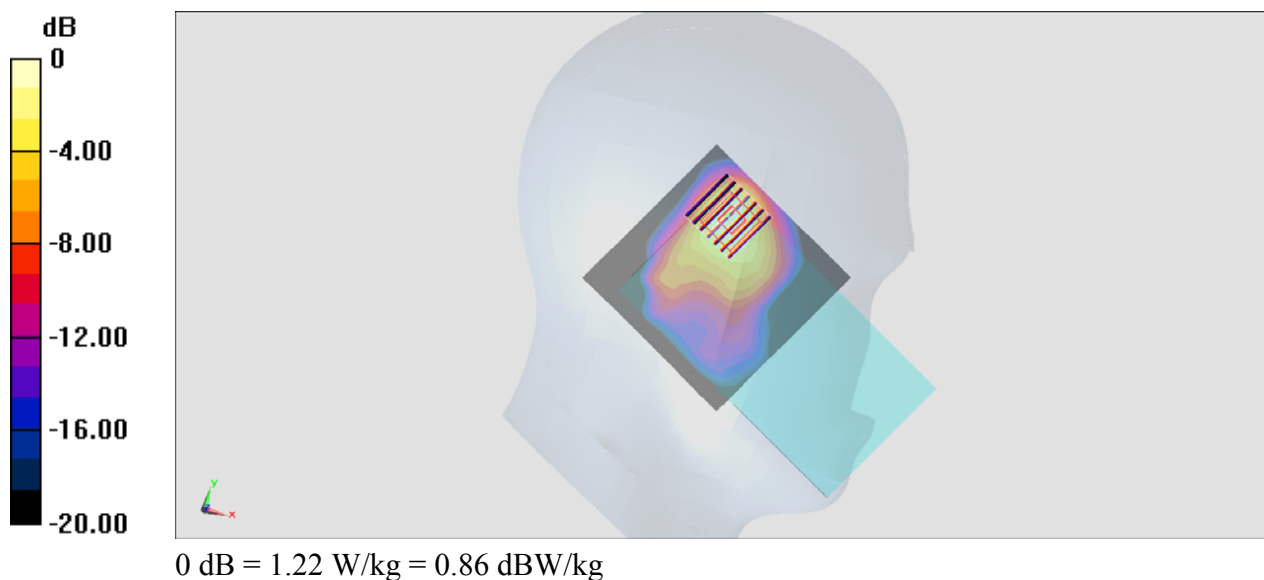
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.80 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.365 W/kg**

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



**#09\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch64**

Communication System: 802.11a ; Frequency: 5320 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170916 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3873; ConvF(5.04, 5.04, 5.04); Calibrated: 2017/8/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.682 W/kg

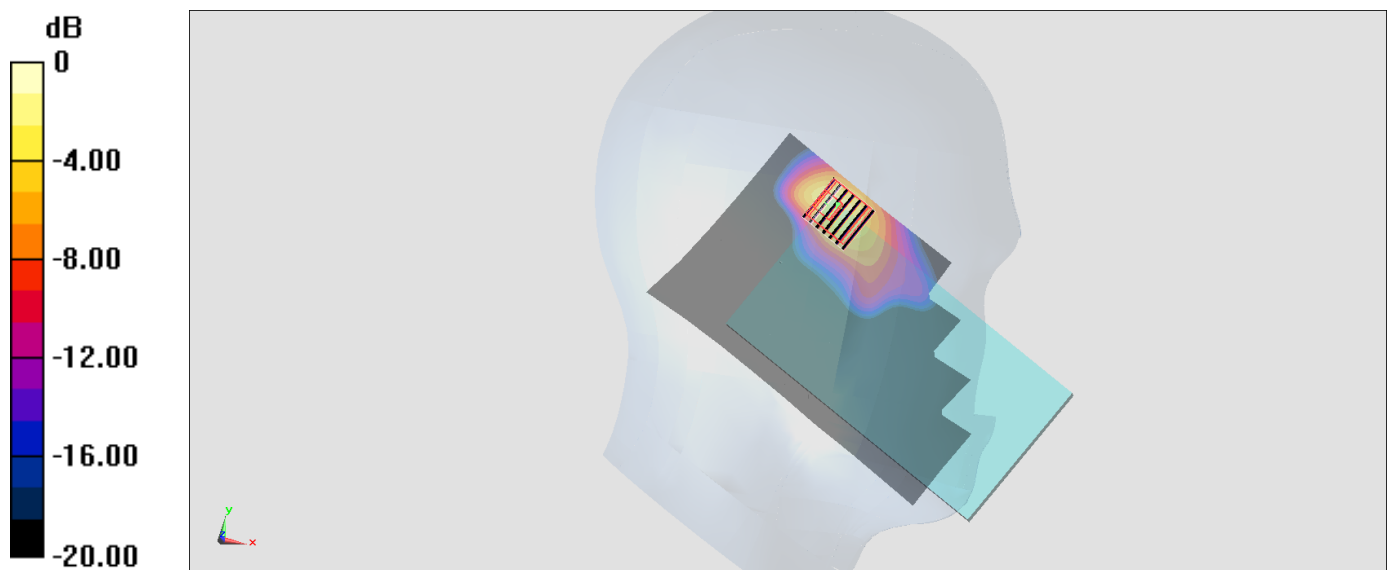
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.92 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.136 W/kg**

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



0 dB = 1.11 W/kg = 0.45 dBW/kg

**#10\_WLAN5GHz\_802.11a 6Mbps\_Left Tilted\_Ch132**

Communication System: 802.11a ; Frequency: 5660 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170916 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 4.995$  S/m;  $\epsilon_r = 36.201$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3873; ConvF(4.66, 4.66, 4.66); Calibrated: 2017/8/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.486 W/kg

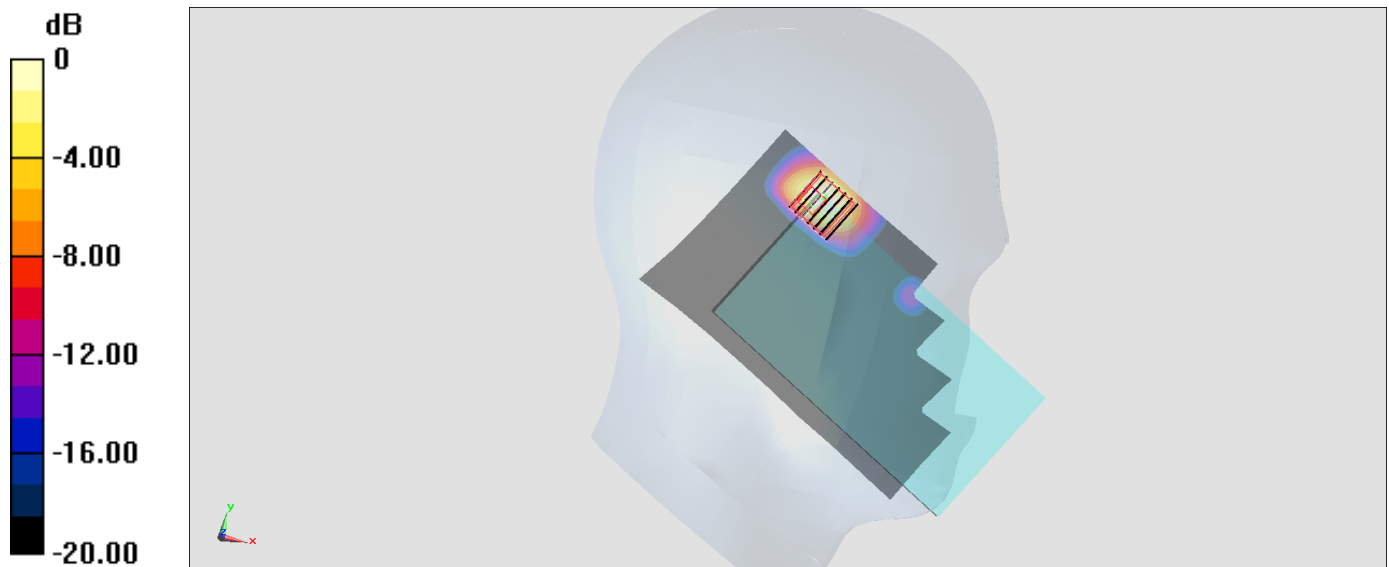
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.203 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.800 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.051 W/kg**

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



0 dB = 0.479 W/kg = -3.20 dBW/kg

**#11\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch149**

Communication System: 802.11a ; Frequency: 5745 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170916 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.083$  S/m;  $\epsilon_r = 36.103$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3873; ConvF(4.7, 4.7, 4.7); Calibrated: 2017/8/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

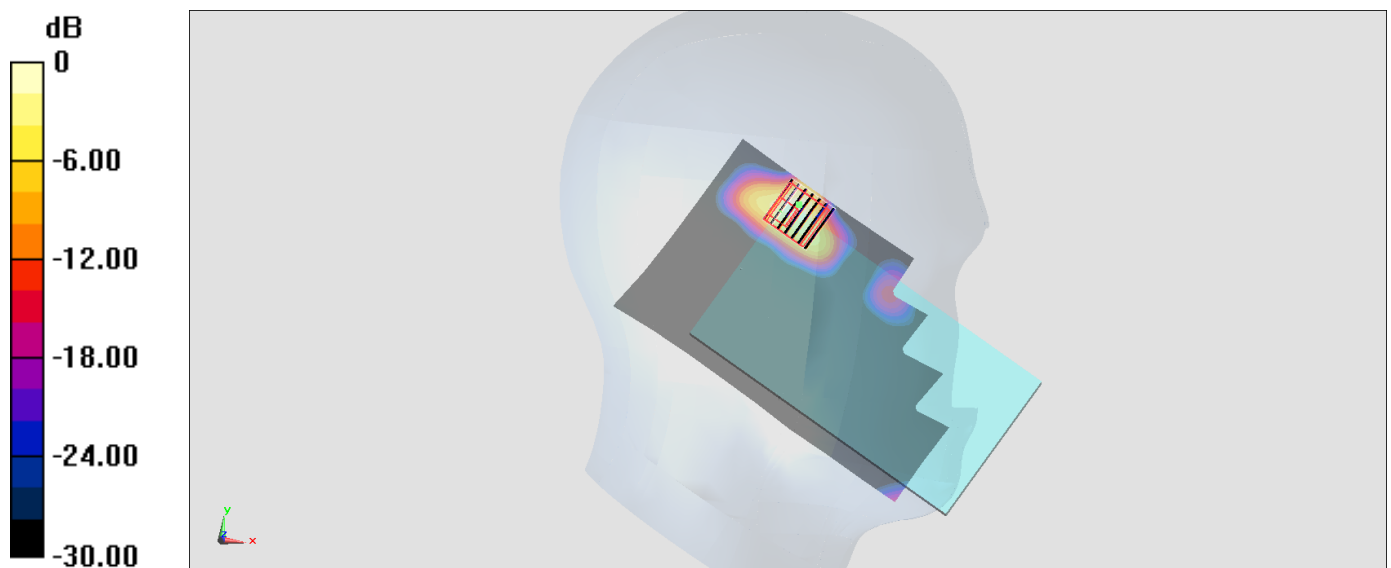
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.689 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.041 W/kg**

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg

## #12\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch128

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_170901 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.942$  S/m;  $\epsilon_r = 56.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

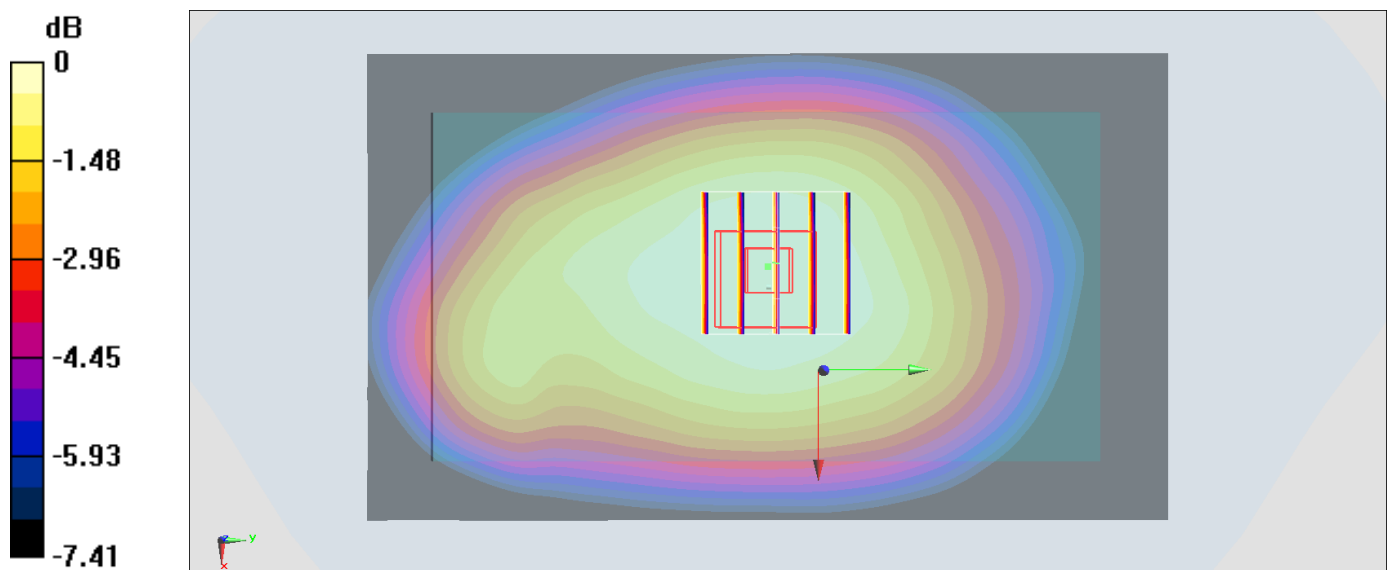
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.90 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.143 W/kg**

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



0 dB = 0.196 W/kg = -7.08 dBW/kg

**#13\_GSM1900\_GPRS (4 Tx slots)\_Back\_10mm\_Ch661**

Communication System: PCS ; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: MSL\_1900\_170902 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  S/m;  $\epsilon_r = 54.339$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

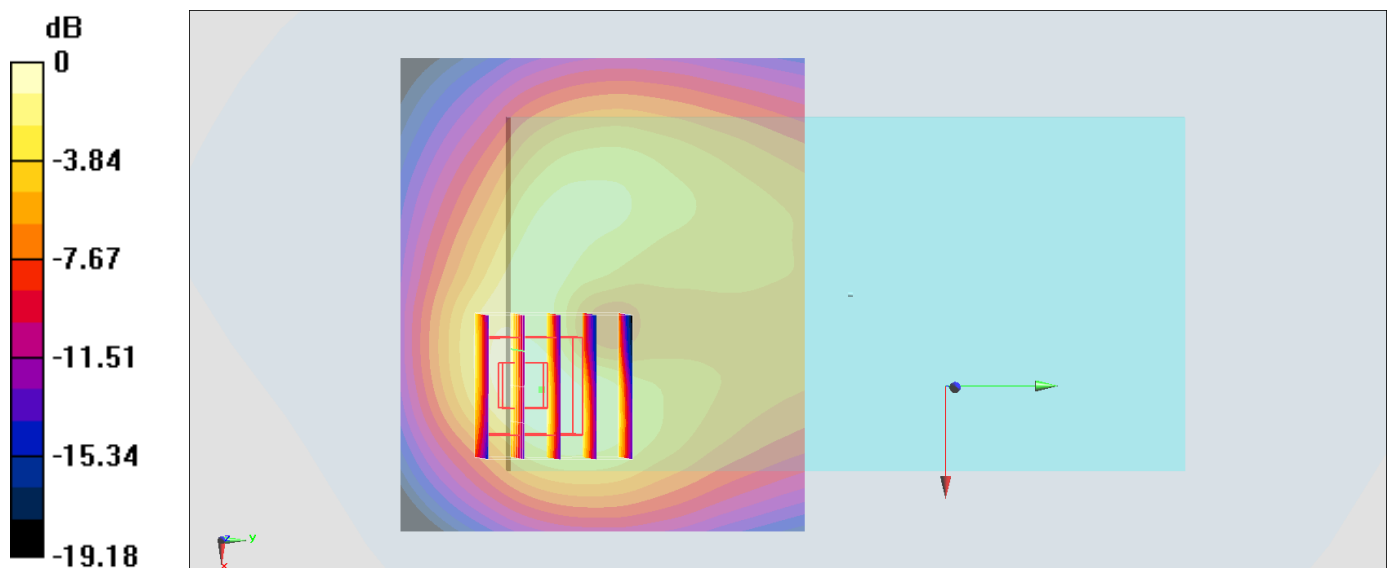
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.720 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.208 W/kg**

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



0 dB = 0.451 W/kg = -3.46 dBW/kg

**#14\_WCDMA II\_RMC 12.2Kbps\_Back\_10mm\_Ch9262**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_170905 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.52$  S/m;  $\epsilon_r = 52.647$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.733 W/kg

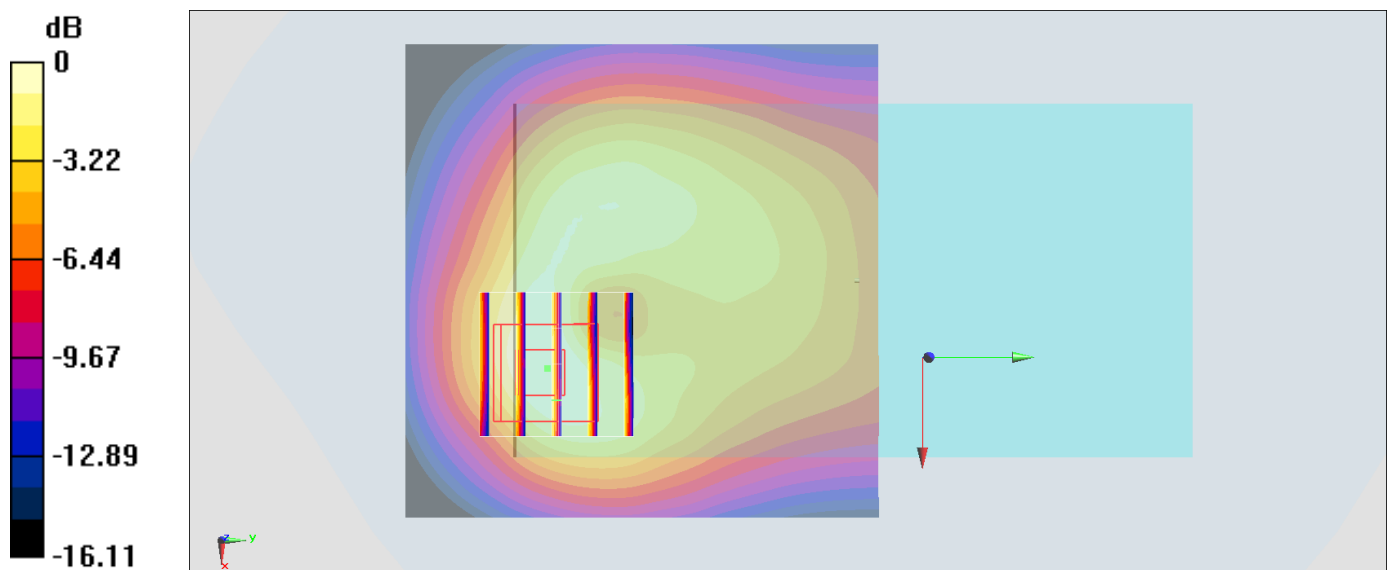
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.13 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.952 W/kg

**SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.314 W/kg**

Maximum value of SAR (measured) = 0.651 W/kg



0 dB = 0.651 W/kg = -1.86 dBW/kg

**#15\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4233**

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_170901 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.963$  S/m;  $\epsilon_r = 55.857$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.894 W/kg

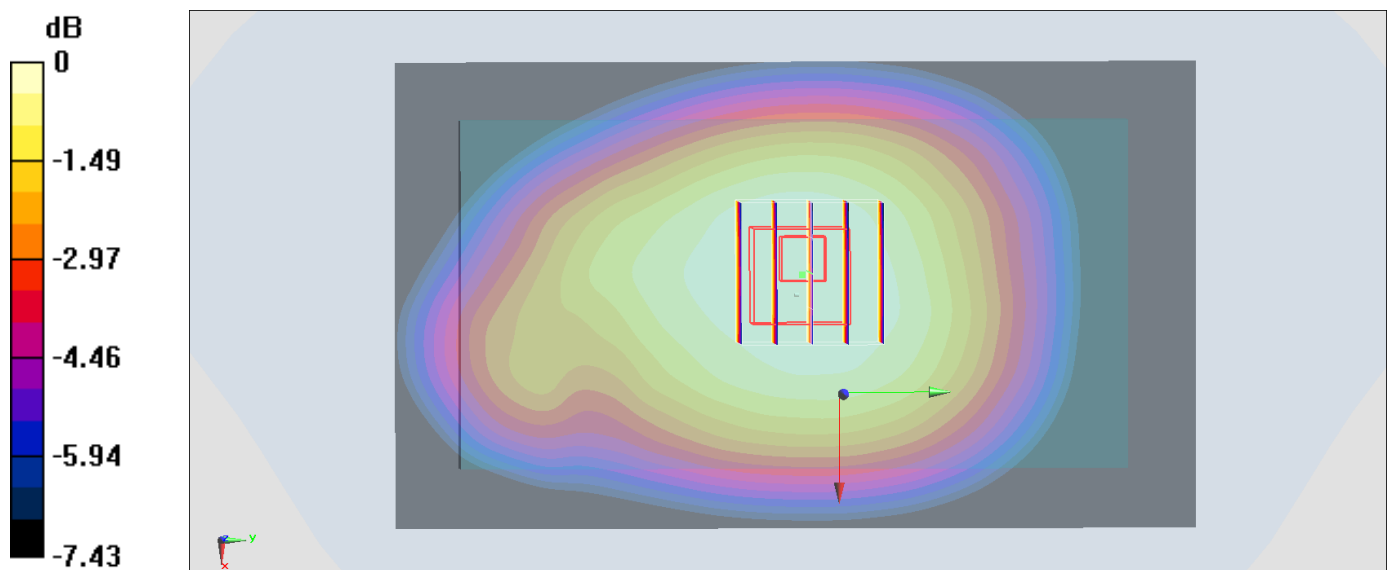
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.43 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.984 W/kg

**SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.633 W/kg**

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



0 dB = 0.878 W/kg = -0.57 dBW/kg

**#16\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch18700**

Communication System: LTE ; Frequency: 1860 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_170905 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 52.632$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

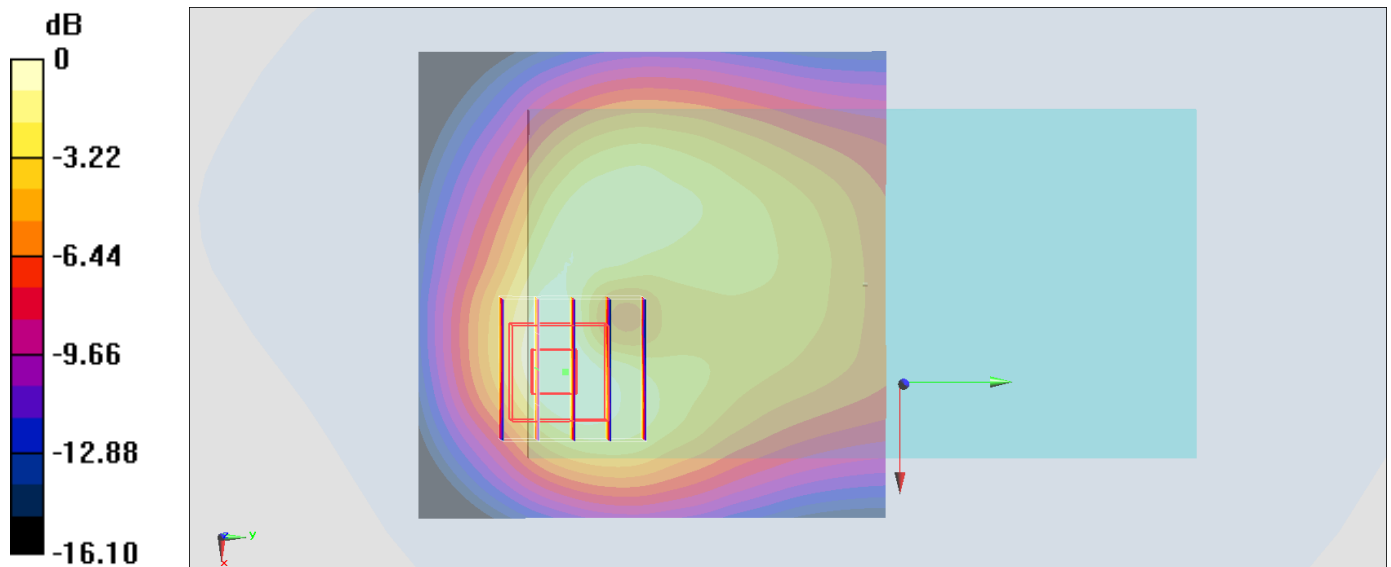
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.58 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.309 W/kg**

Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

**#17\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch20525**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_170901 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.953$  S/m;  $\epsilon_r = 55.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.509 W/kg

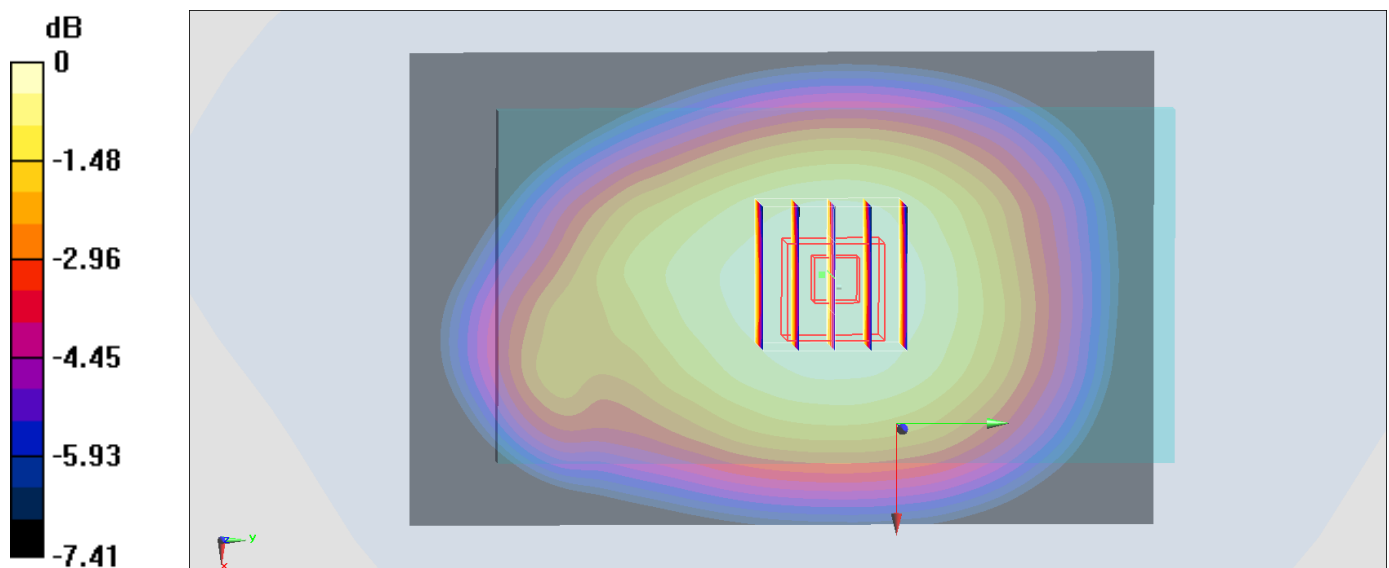
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.99 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.562 W/kg

**SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.367 W/kg**

Maximum value of SAR (measured) = 0.506 W/kg



0 dB = 0.506 W/kg = -2.96 dBW/kg

**#18\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch20850**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_170906 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.065$  S/m;  $\epsilon_r = 53.025$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.17, 4.17, 4.17); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (81x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

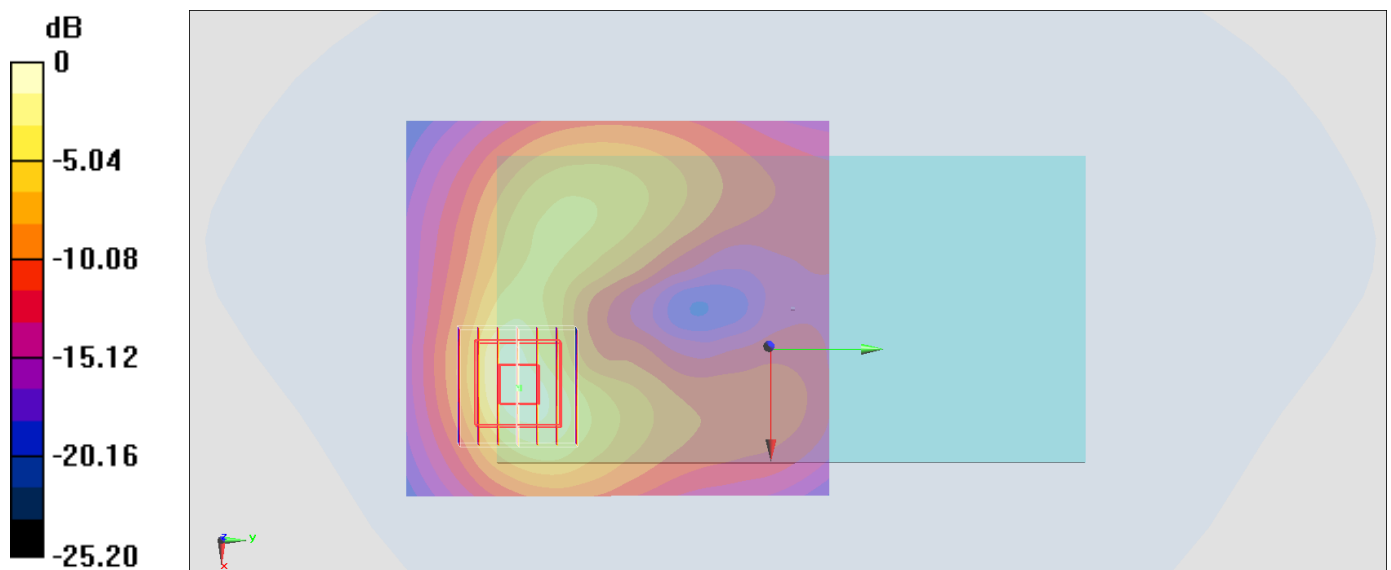
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.09 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.493 W/kg**

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



0 dB = 1.42 W/kg = 1.52 dBW/kg

**#19\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch1**

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

Medium: MSL\_2450\_170910 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.956$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.28, 4.28, 4.28); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

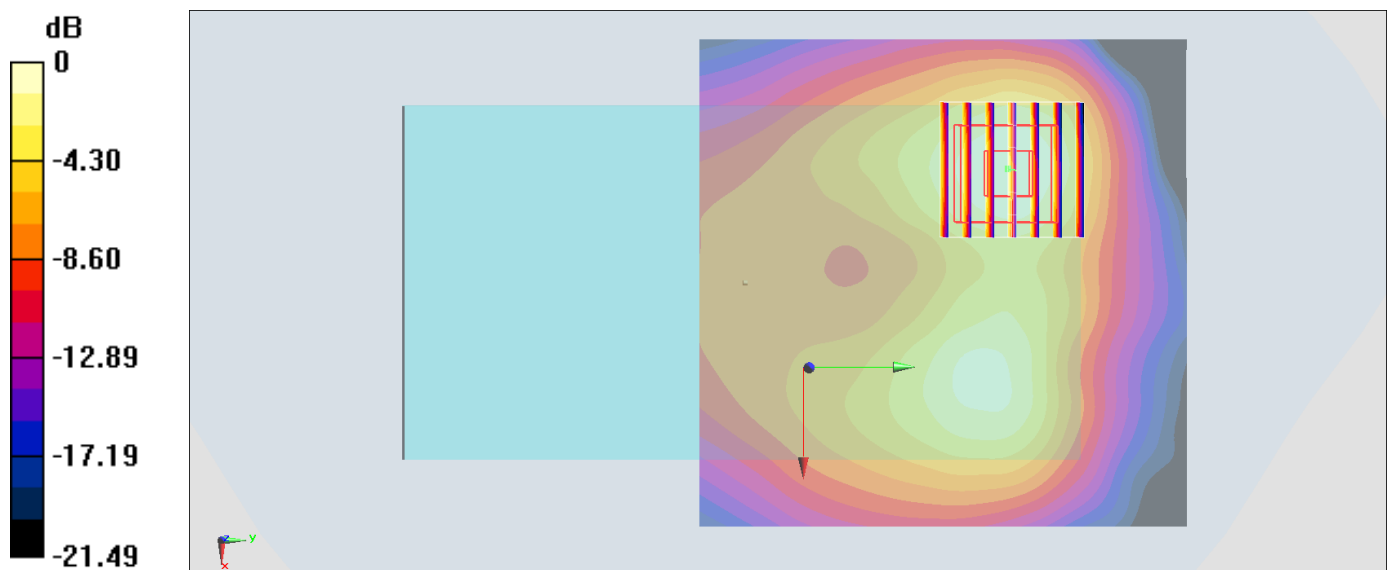
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.440 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.307 W/kg

**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.089 W/kg**

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



**#20\_WLAN5GHz\_802.11a 6Mbps\_Back\_10mm\_Ch36**

Communication System: 802.11a ; Frequency: 5180 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170916 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.267$  S/m;  $\epsilon_r = 47.234$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.926 W/kg

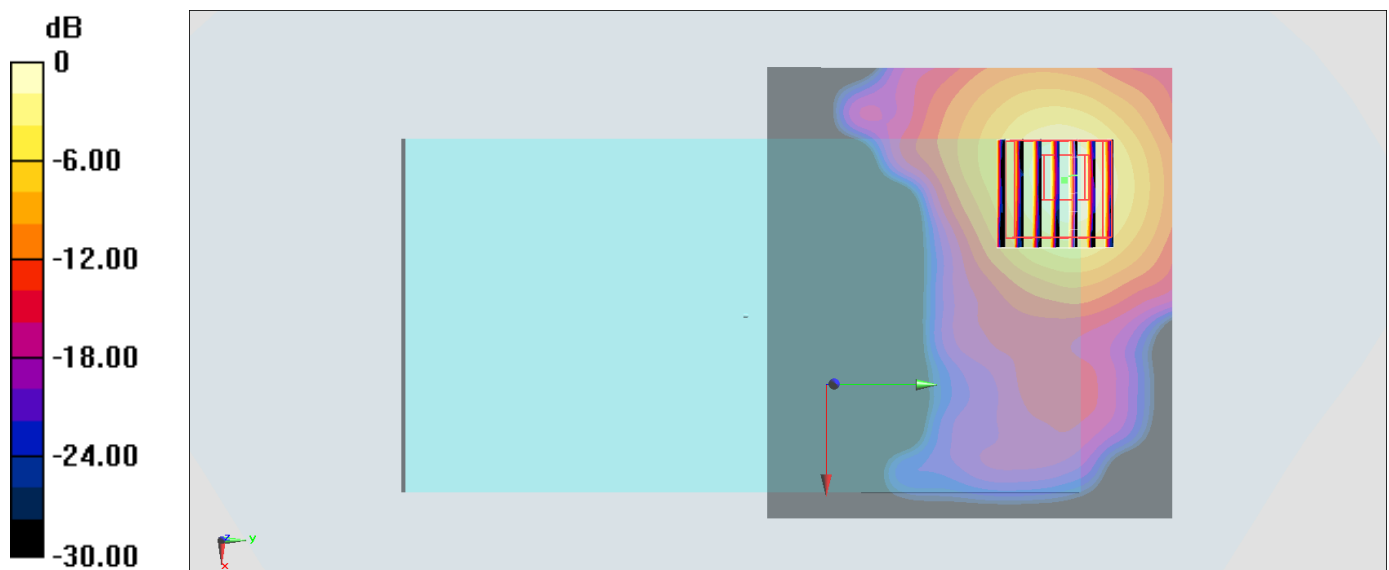
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.33 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.904 W/kg



0 dB = 0.904 W/kg = -0.44 dBW/kg

**#21\_WLAN5GHz\_802.11a 6Mbps\_Back\_10mm\_Ch149**

Communication System: 802.11a ; Frequency: 5745 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170917 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.989$  S/m;  $\epsilon_r = 46.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.01, 4.01, 4.01); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.502 W/kg

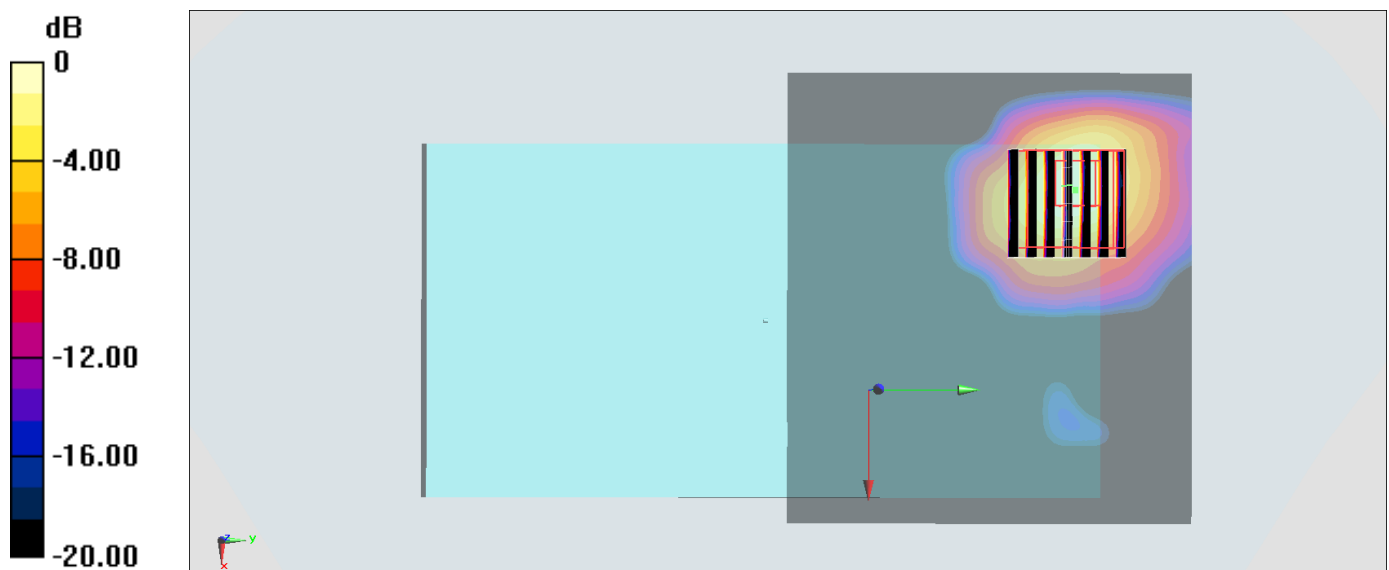
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.973 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.846 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.507 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

**#22\_WLAN5GHz\_802.11a 6Mbps\_Back\_0mm\_Ch64**

Communication System: 802.11a ; Frequency: 5320 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170916 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.436$  S/m;  $\epsilon_r = 47.033$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.0 W/kg

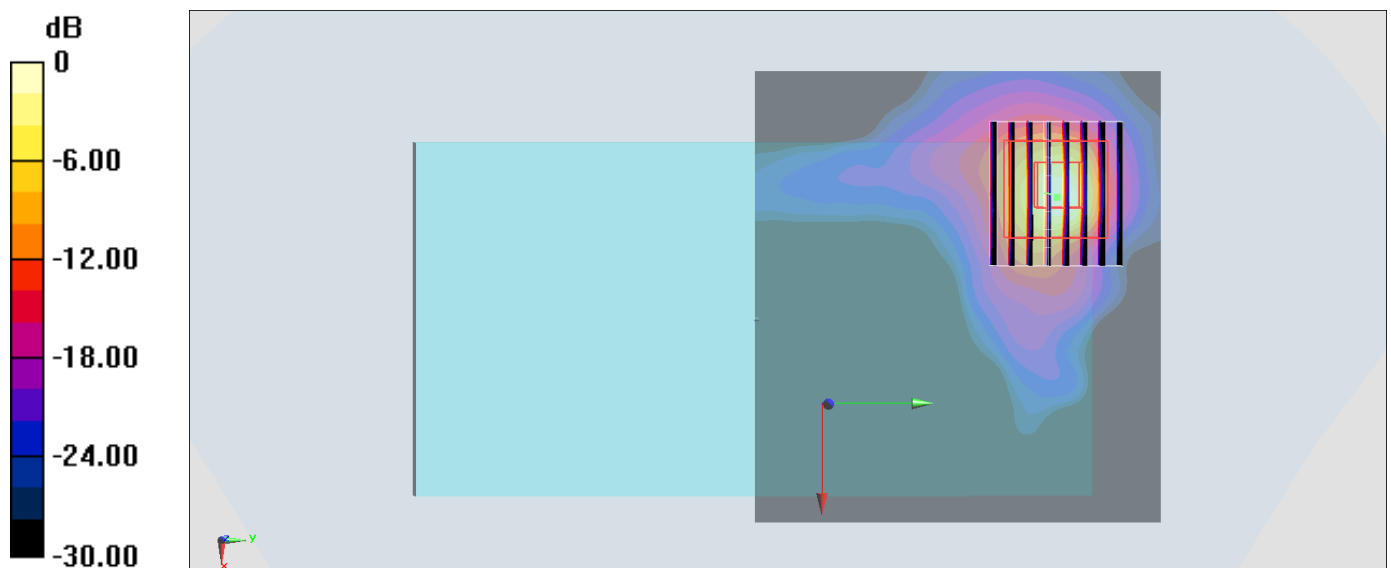
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.92 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 24.6 W/kg

**SAR(1 g) = 4.41 W/kg; SAR(10 g) = 0.941 W/kg**

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

**#23\_WLAN5GHz\_802.11a 6Mbps\_Back\_0mm\_Ch132**

Communication System: 802.11a ; Frequency: 5660 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170916 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 5.877$  S/m;  $\epsilon_r = 46.491$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(3.71, 3.71, 3.71); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.86 W/kg

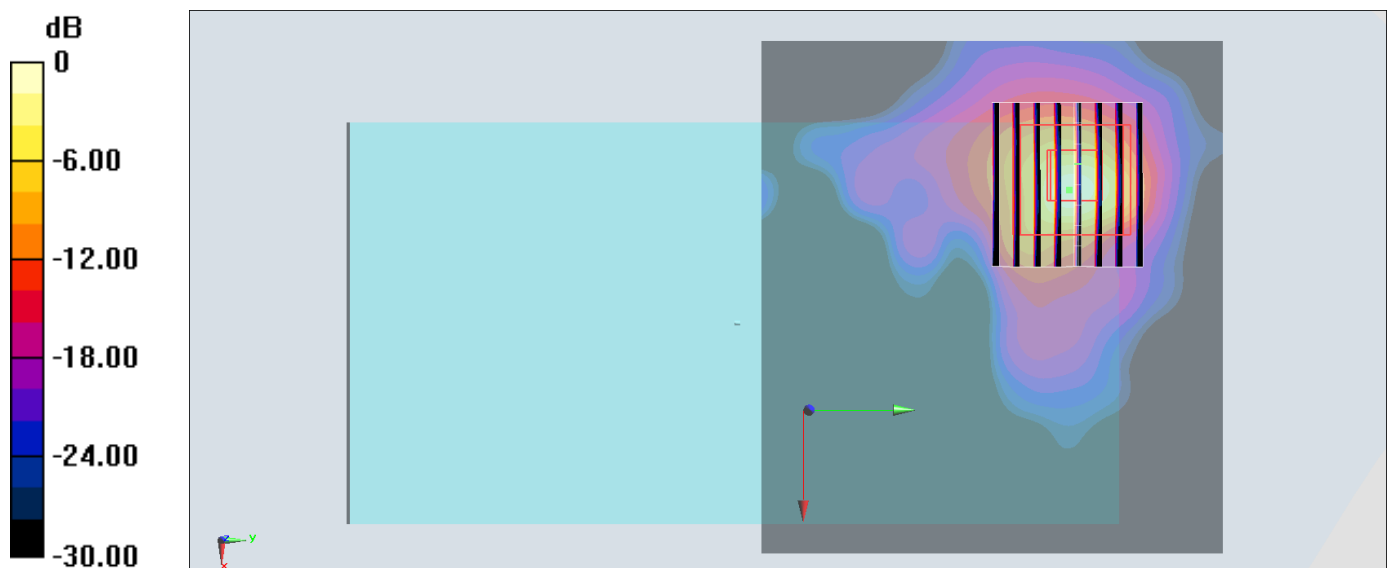
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.97 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 20.4 W/kg

**SAR(1 g) = 3.32 W/kg; SAR(10 g) = 0.729 W/kg**

Maximum value of SAR (measured) = 10.1 W/kg



**#24\_GSM850\_GPRS (4 Tx slots)\_Back\_15mm\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_170901 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.942$  S/m;  $\epsilon_r = 56.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

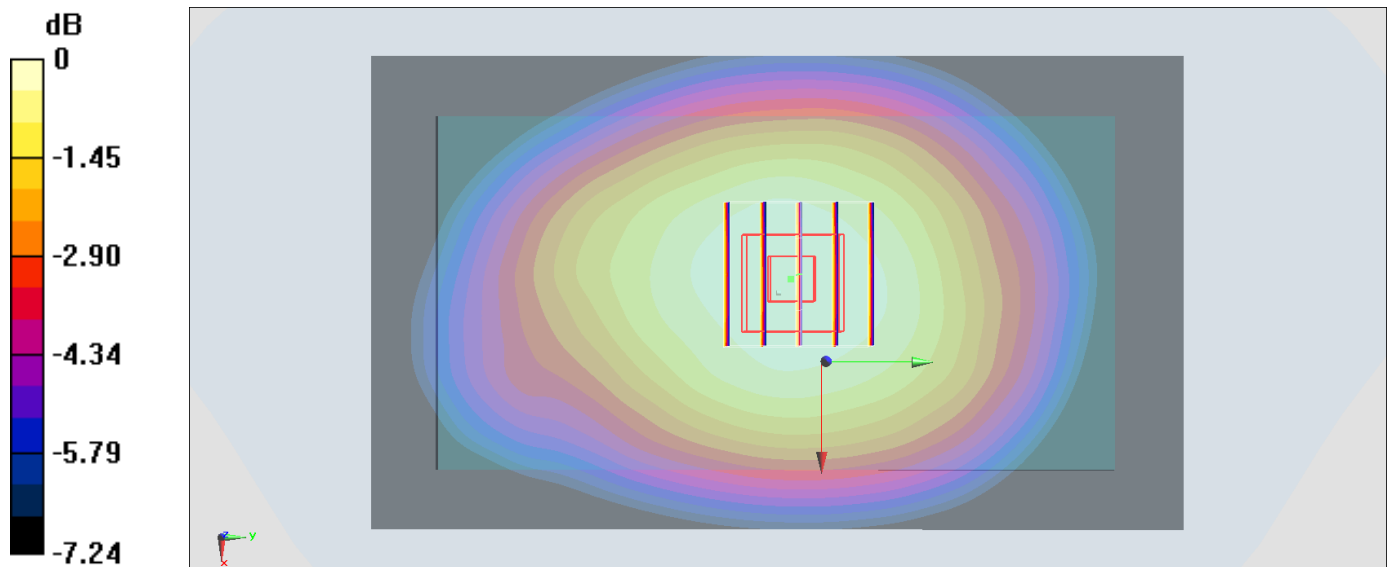
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.00 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.192 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.124 W/kg**

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



0 dB = 0.173 W/kg = -7.62 dBW/kg

**#25\_GSM1900\_GPRS (4 Tx slots)\_Back\_15mm\_Ch661**

Communication System: PCS ; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: MSL\_1900\_170902 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.536$  S/m;  $\epsilon_r = 54.339$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

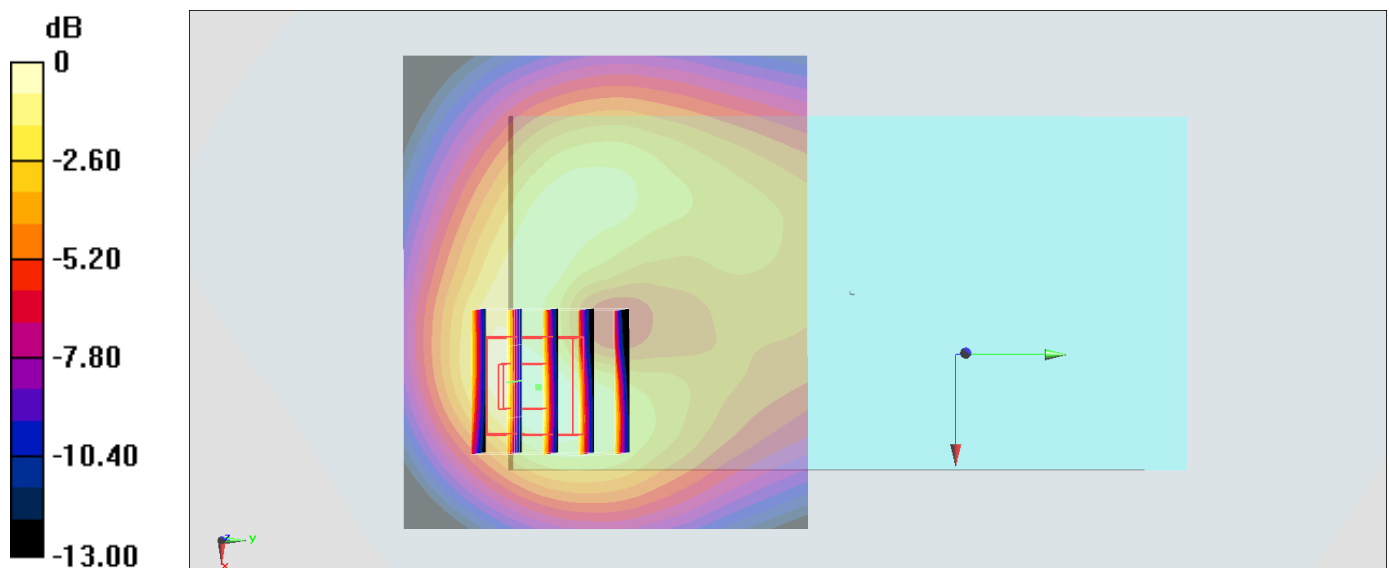
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.755 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.296 W/kg

**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.108 W/kg**

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



0 dB = 0.215 W/kg = -6.68 dBW/kg

**#26\_WCDMA II\_RMC 12.2Kbps\_Back\_15mm\_Ch9262**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_170905 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.52$  S/m;  $\epsilon_r = 52.647$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.374 W/kg

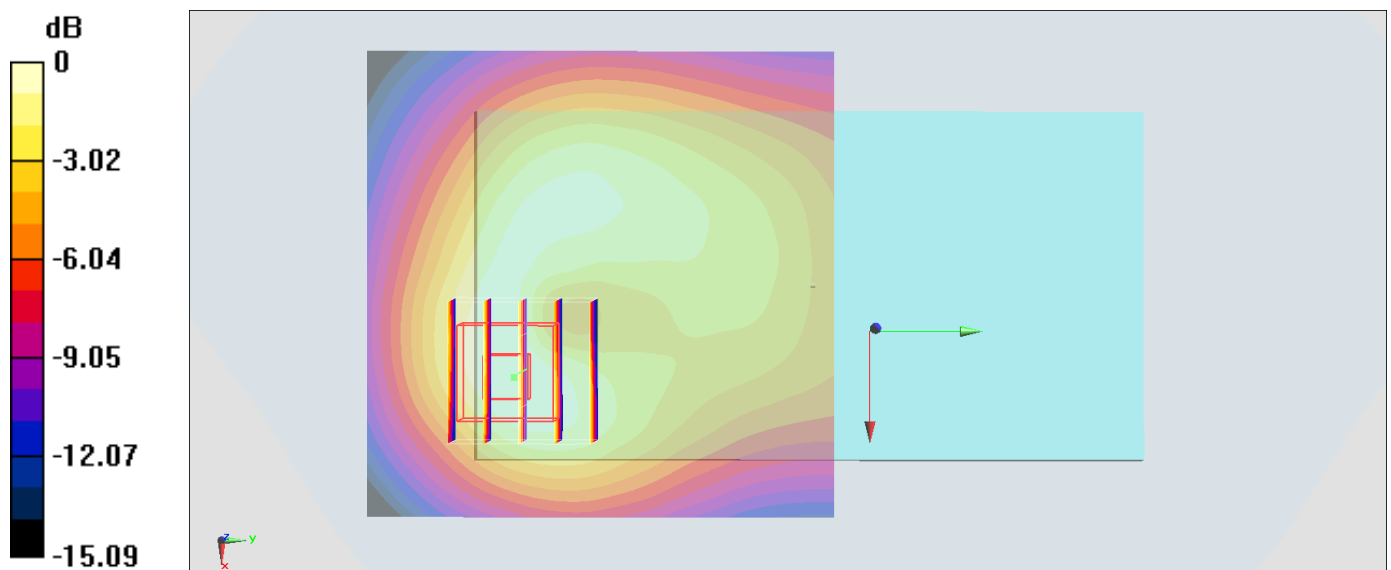
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.83 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.175 W/kg**

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



0 dB = 0.343 W/kg = -4.65 dBW/kg

**#27\_WCDMA V\_RMC 12.2Kbps\_Back\_15mm\_Ch4233**

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_170901 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.963$  S/m;  $\epsilon_r = 55.857$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.665 W/kg

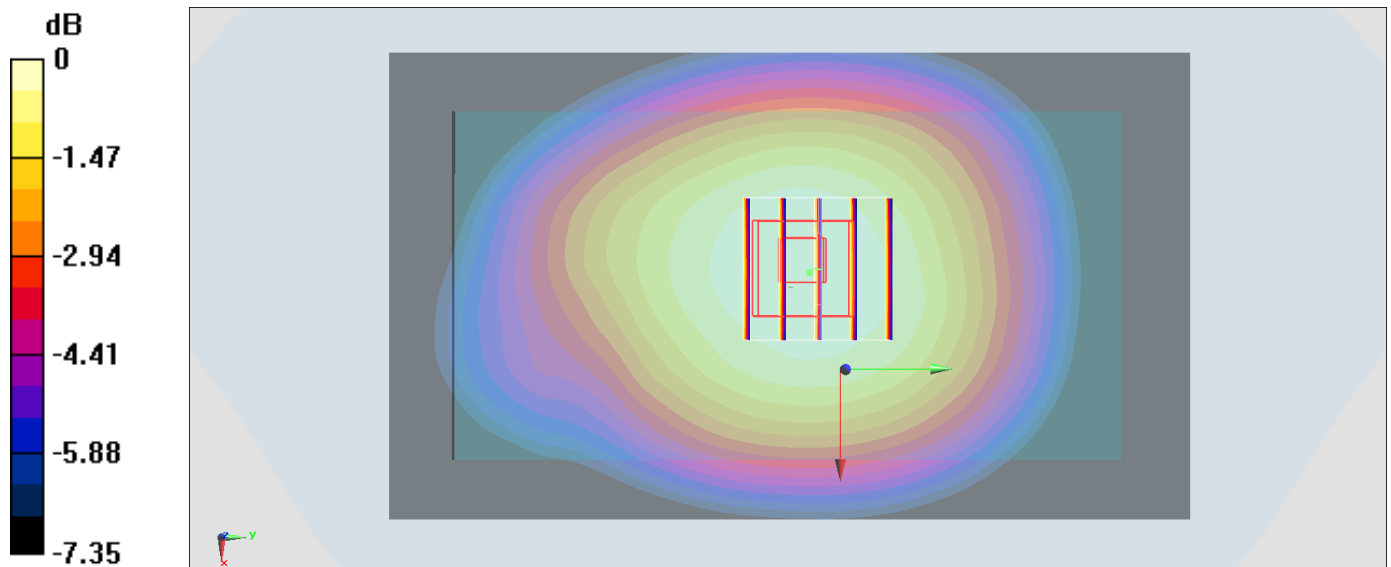
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.17 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.745 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.479 W/kg**

Maximum value of SAR (measured) = 0.667 W/kg



**#28\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_15mm\_Ch18700**

Communication System: LTE ; Frequency: 1860 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_170905 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 52.632$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.367 W/kg

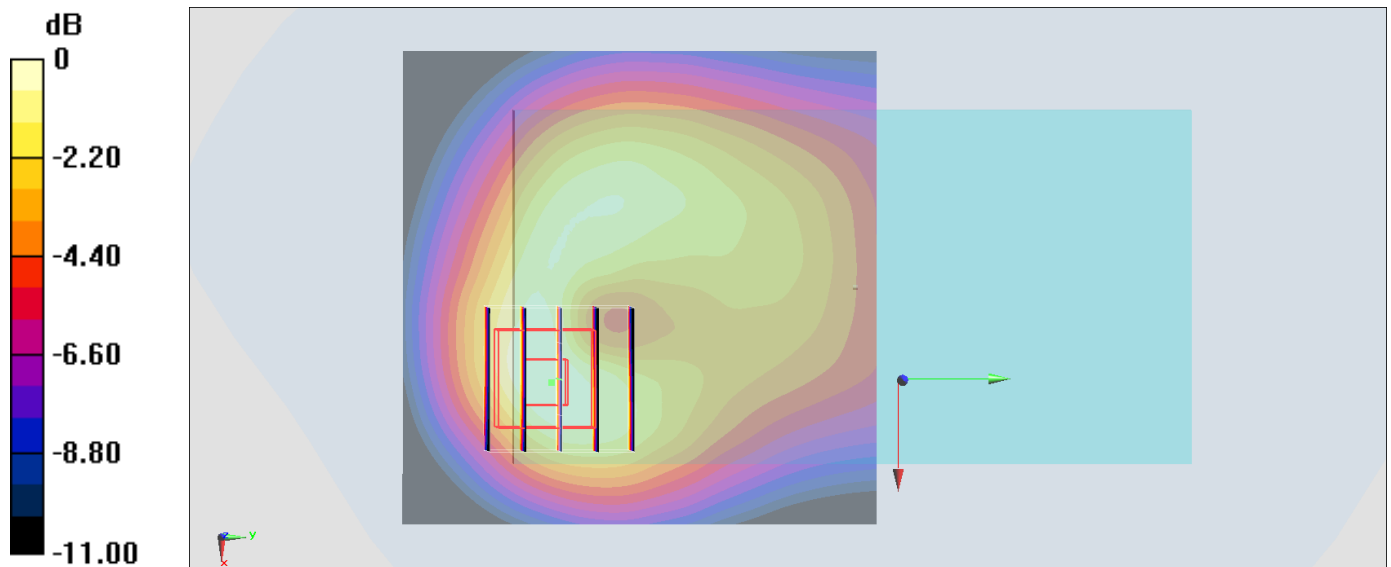
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.34 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.467 W/kg

**SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.172 W/kg**

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



0 dB = 0.342 W/kg = -4.66 dBW/kg

**#29\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch20525**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_170901 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.953$  S/m;  $\epsilon_r = 55.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.05, 6.05, 6.05); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

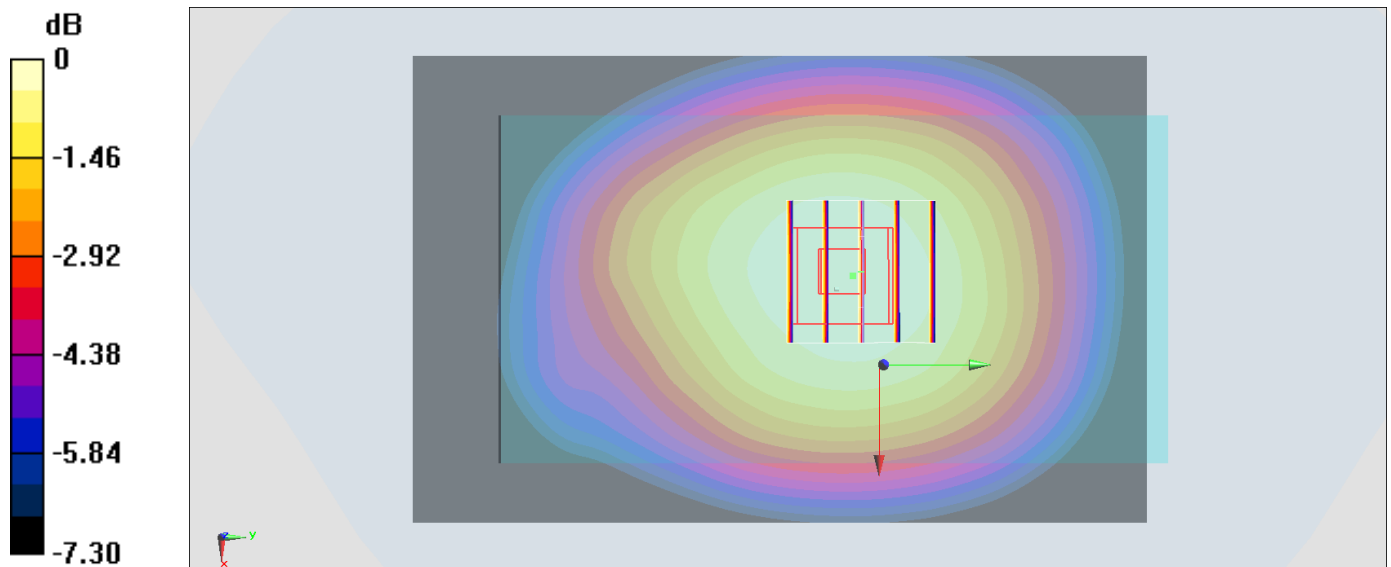
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.60 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.409 W/kg



0 dB = 0.409 W/kg = -3.88 dBW/kg

**#30\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_15mm\_Ch20850**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_170906 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.065$  S/m;  $\epsilon_r = 53.025$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.17, 4.17, 4.17); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (81x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.633 W/kg

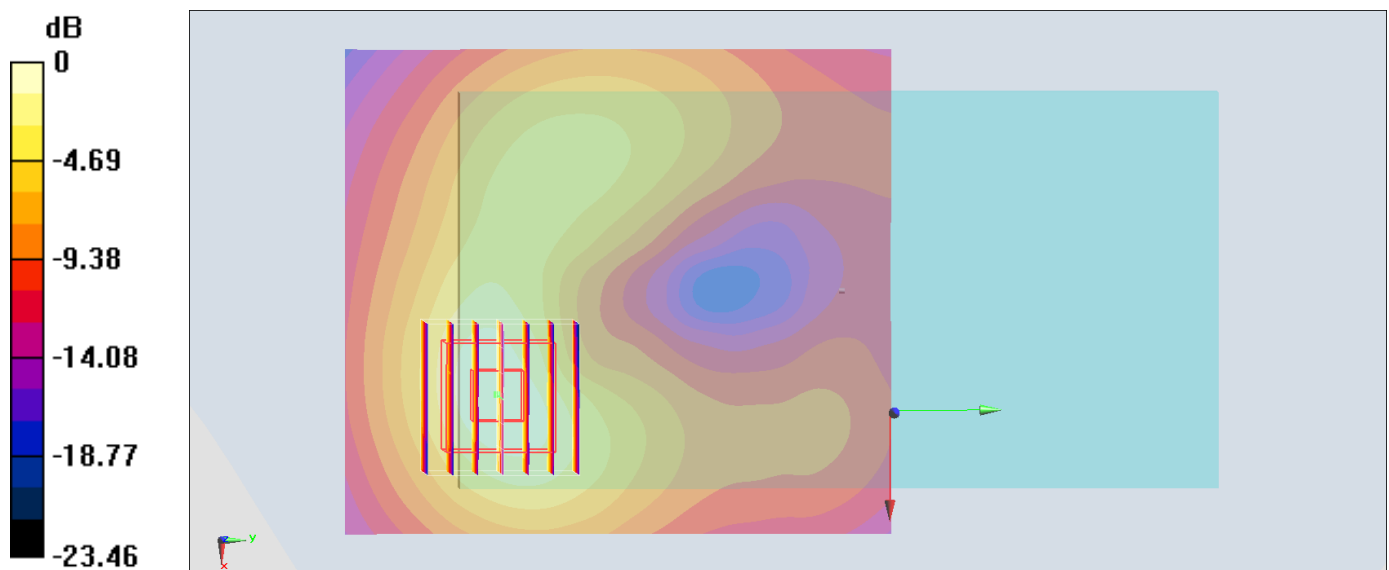
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.02 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.902 W/kg

**SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg = -1.95 dBW/kg

**#31\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_15mm\_Ch1**

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

Medium: MSL\_2450\_170910 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.956$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.28, 4.28, 4.28); Calibrated: 2017/5/11;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

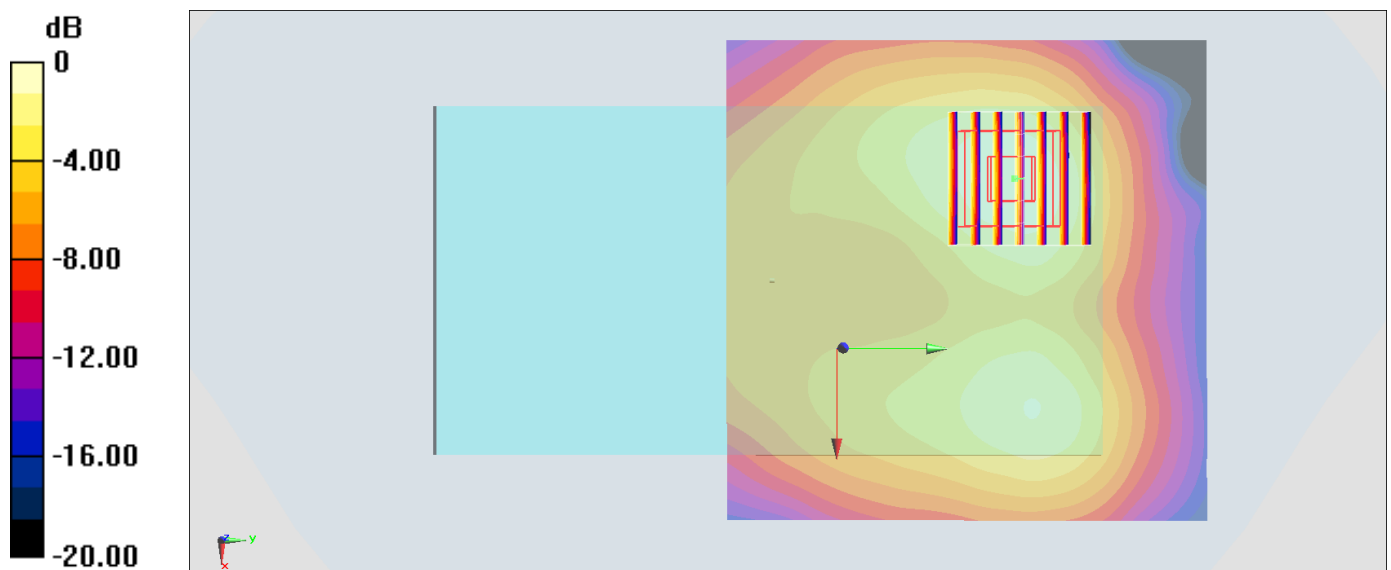
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.957 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.050 W/kg**

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



0 dB = 0.108 W/kg = -9.67 dBW/kg

**#32\_WLAN5GHz\_802.11a 6Mbps\_Back\_15mm\_Ch64**

Communication System: 802.11a ; Frequency: 5320 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170916 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.436$  S/m;  $\epsilon_r = 47.033$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

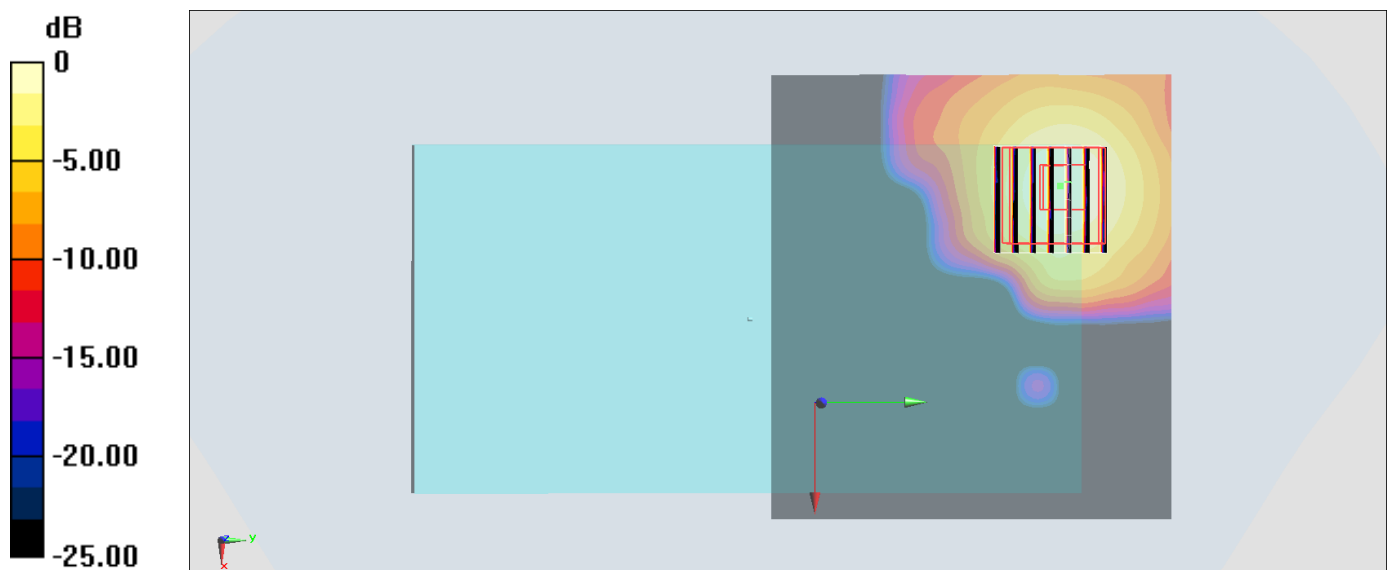
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.317 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.548 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.055 W/kg**

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



0 dB = 0.348 W/kg = -4.58 dBW/kg

**#33\_WLAN5GHz\_802.11a 6Mbps\_Back\_15mm\_Ch132**

Communication System: 802.11a ; Frequency: 5660 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170916 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 5.877$  S/m;  $\epsilon_r = 46.491$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(3.71, 3.71, 3.71); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.371 W/kg

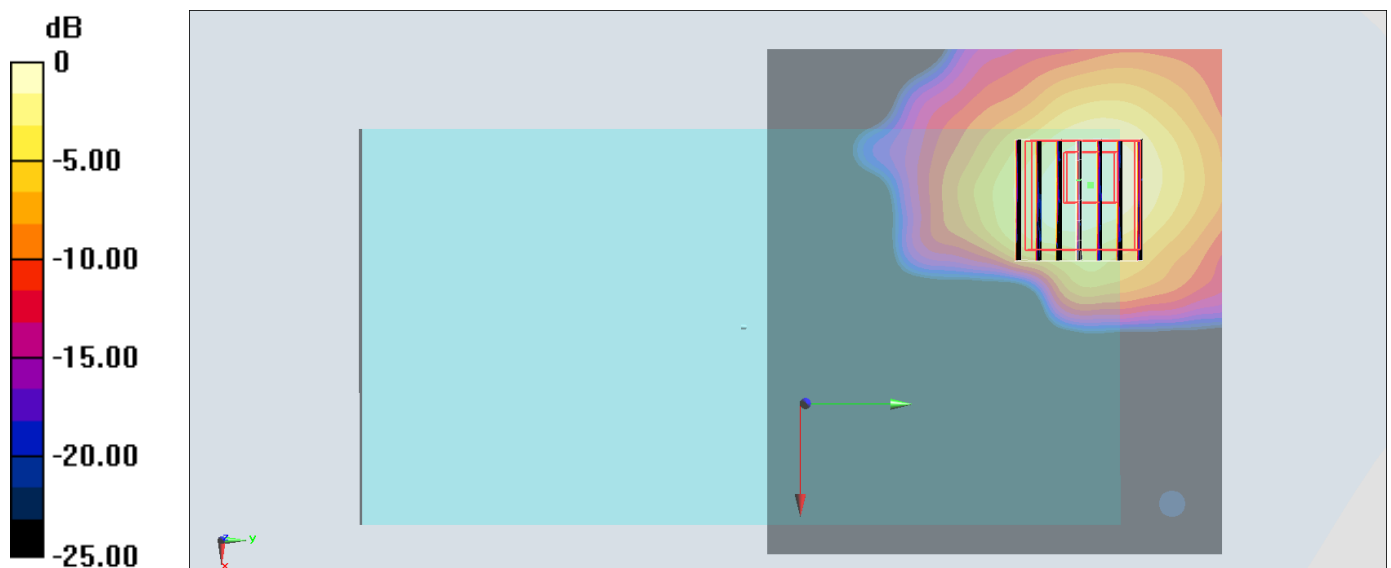
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.354 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.570 W/kg

**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.053 W/kg**

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



0 dB = 0.355 W/kg = -4.50 dBW/kg

**#34\_WLAN5GHz\_802.11a 6Mbps\_Back\_15mm\_Ch149**

Communication System: 802.11a ; Frequency: 5745 MHz; Duty Cycle: 1:1.029

Medium: MSL\_5G\_170917 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.989$  S/m;  $\epsilon_r = 46.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.01, 4.01, 4.01); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

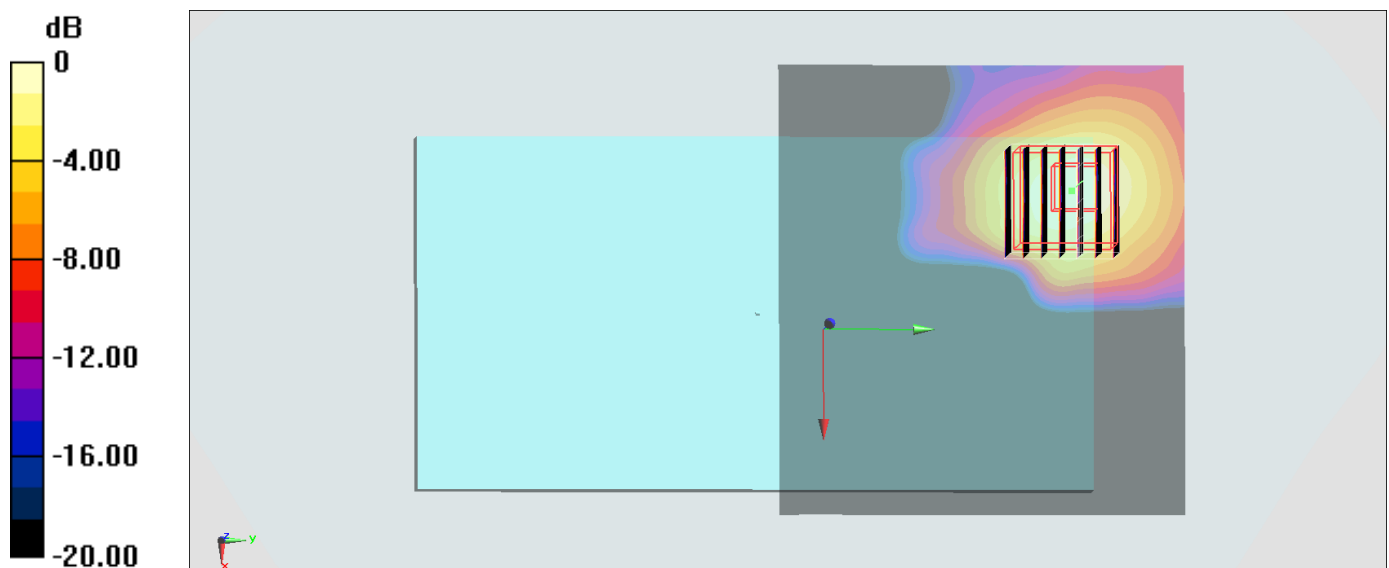
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.928 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.555 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.049 W/kg**

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



0 dB = 0.354 W/kg = -4.51 dBW/kg