

**#01\_GSM850\_GPRS (2 Tx slots)\_Right Cheek\_Ch251**

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: HSL\_850\_190410 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 41.952$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.141 W/kg

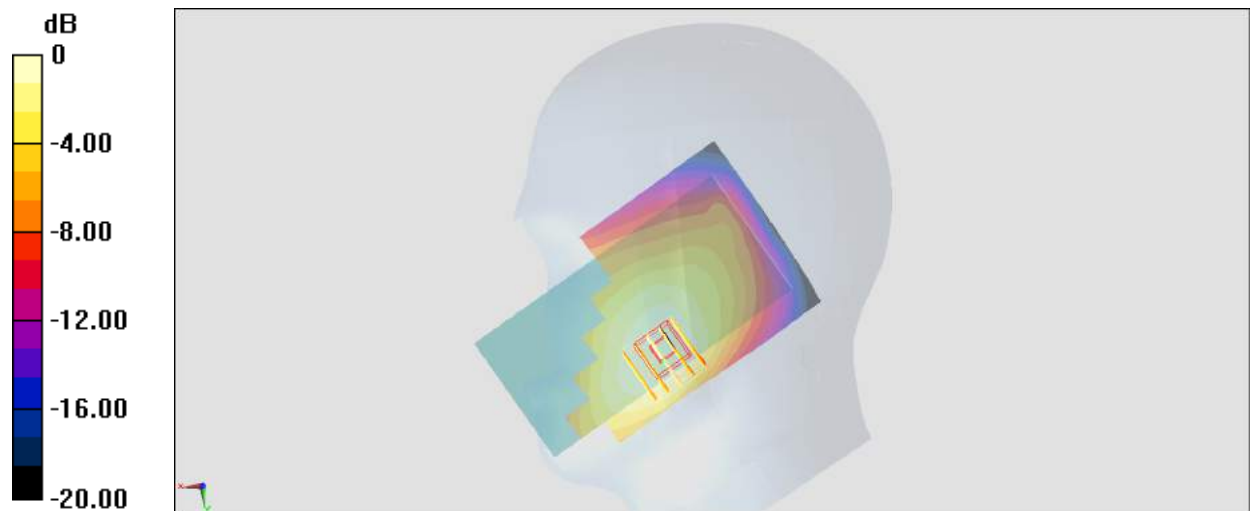
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.215 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.179 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.105 W/kg**

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



0 dB = 0.141 W/kg = -8.51 dBW/kg

**#02\_GSM1900\_GPRS (2 Tx slots)\_Left Cheek\_Ch810**

Communication System: PCS ; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL\_1900\_190410 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.466$  S/m;  $\epsilon_r = 38.413$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0718 W/kg

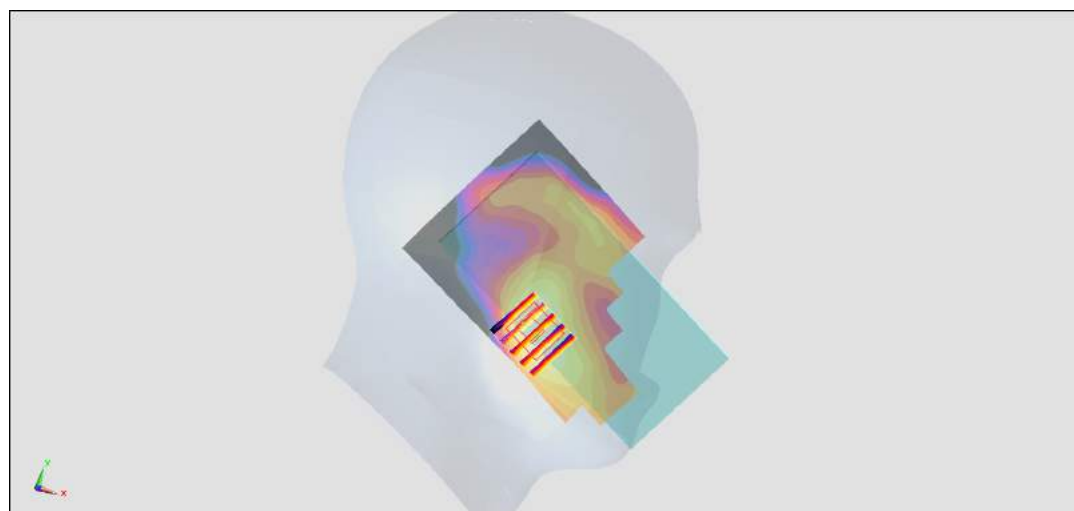
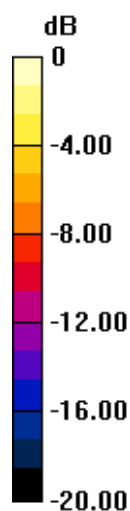
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.675 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0840 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.0644 W/kg



0 dB = 0.0718 W/kg = -11.44 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Left Cheek\_Ch9538**

Communication System: WCDMA ; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium: HSL\_1900\_190410 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 38.422$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

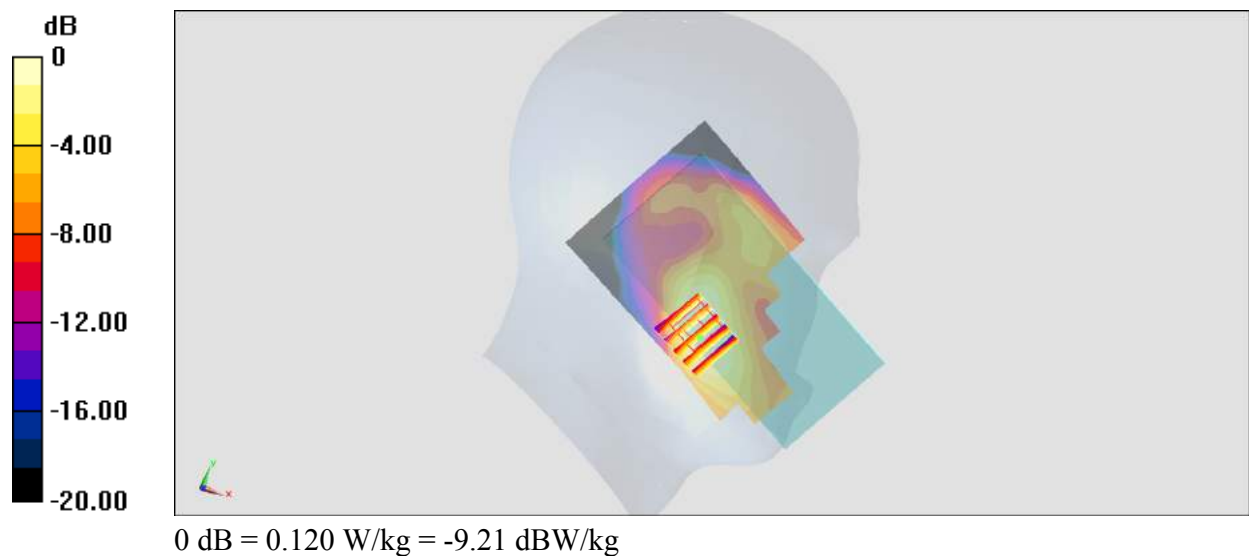
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.188 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.154 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.060 W/kg**

Maximum value of SAR (measured) = 0.114 W/kg



**#04\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_Ch4132**

Communication System: WCDMA ; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium: HSL\_850\_190410 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.878$  S/m;  $\epsilon_r = 42.25$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

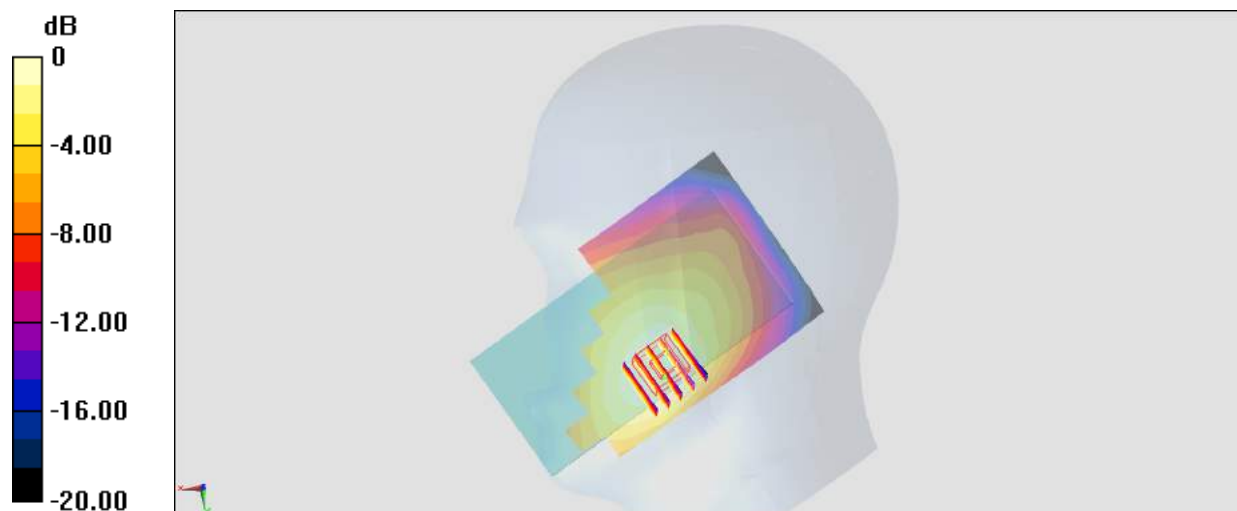
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.08 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.092 W/kg**

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



0 dB = 0.134 W/kg = -8.73 dBW/kg

**#05\_CDMA2000 BC0\_RC3 SO55\_Right Cheek\_Ch1013**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: HSL\_850\_190410 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.267$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.118 W/kg

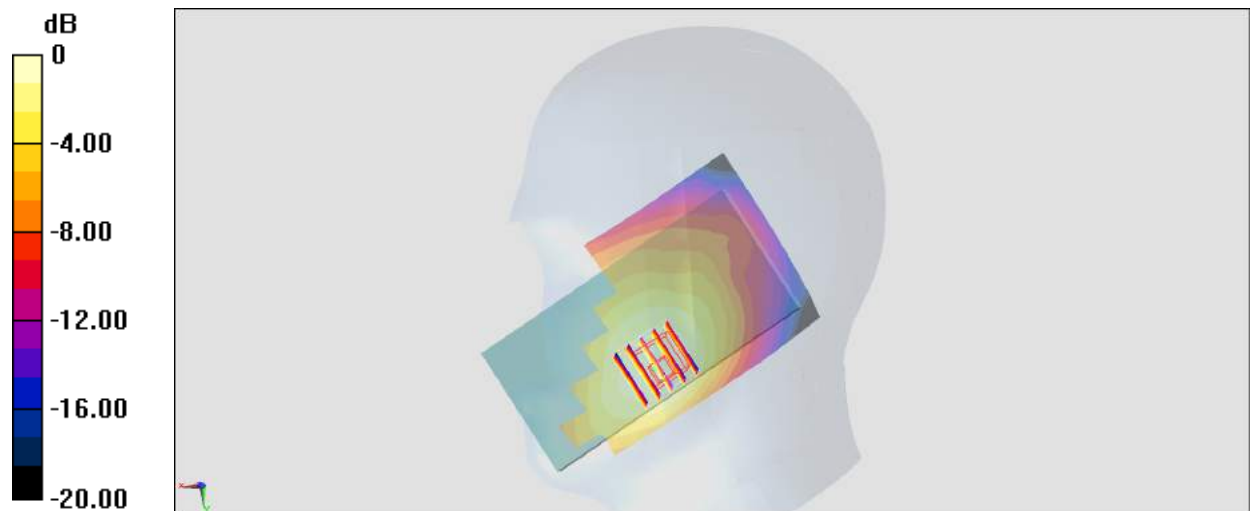
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.26 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.145 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.085 W/kg**

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

**#06\_CDMA2000 BC1\_RC3 SO55\_Left Cheek\_Ch1175**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: HSL\_1900\_190410 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 40.696$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.136 W/kg

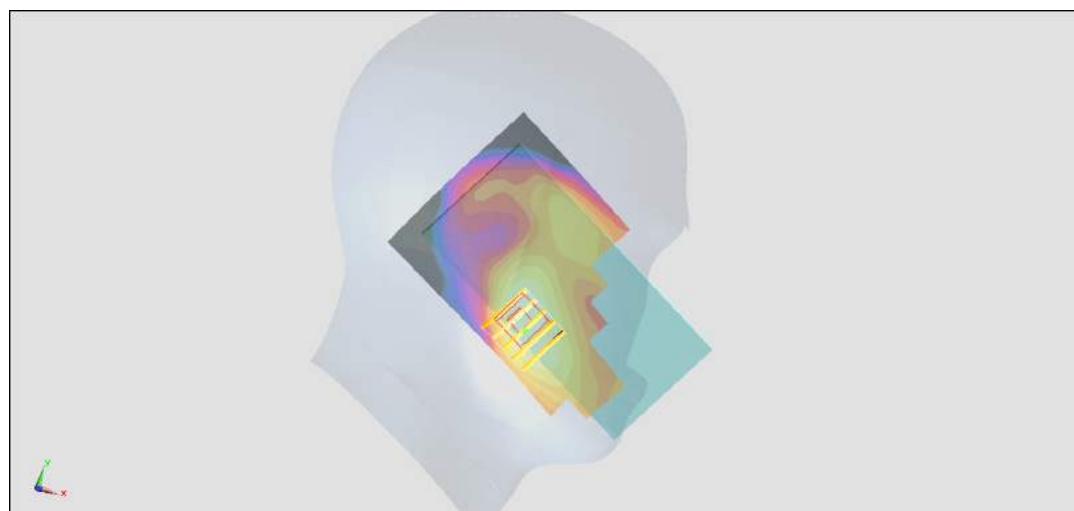
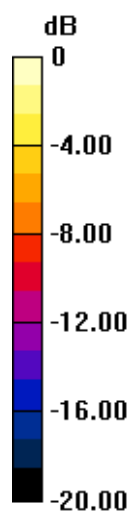
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.072 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.064 W/kg**

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



0 dB = 0.136 W/kg = -8.66 dBW/kg

**#07\_LTE Band 2\_20M\_QPSK\_1\_0\_Left Cheek\_Ch19100**

Communication System: LTE ; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium: HSL\_1900\_190410 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.456$  S/m;  $\epsilon_r = 38.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.136 W/kg

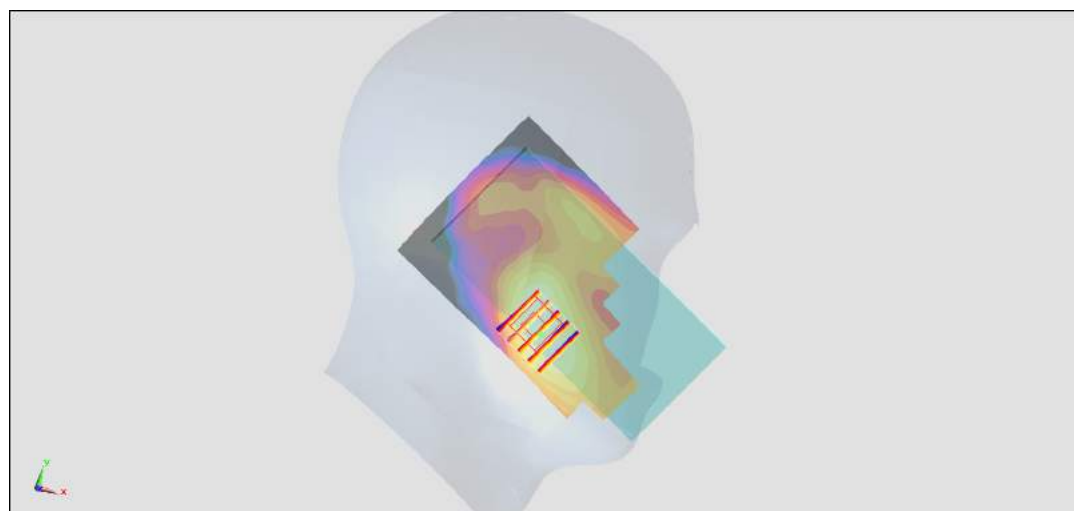
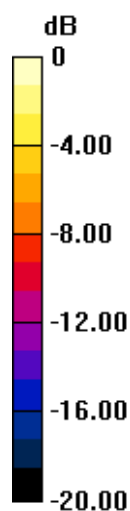
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.360 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.194 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.071 W/kg**

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



0 dB = 0.136 W/kg = -8.66 dBW/kg

**#08\_LTE Band 5\_10M\_QPSK\_1\_49\_Right Cheek\_Ch20525**

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

Medium: HSL\_850\_190410 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.117$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.170 W/kg

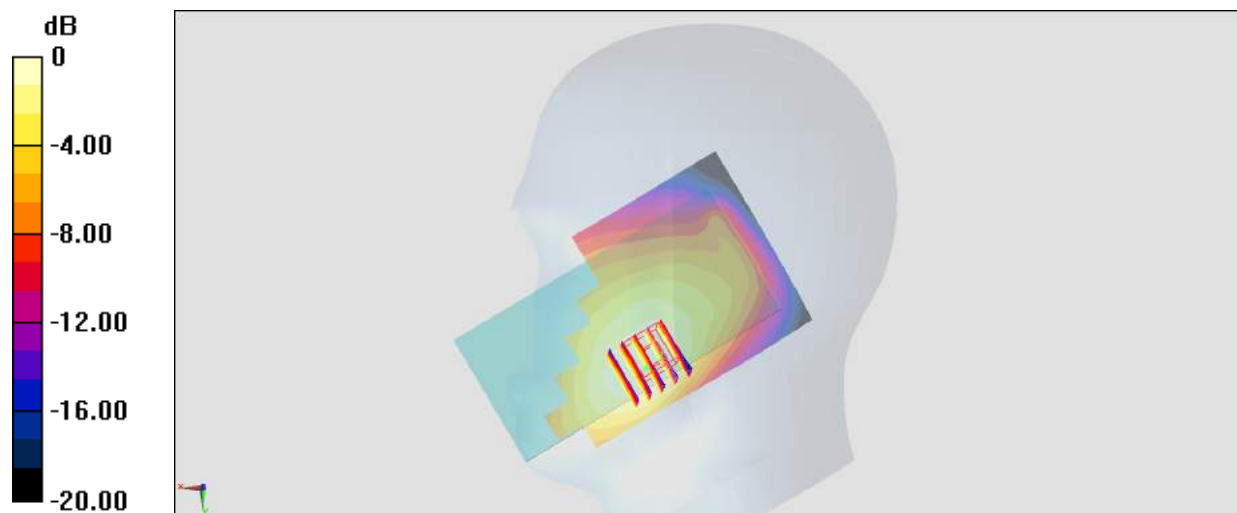
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.61 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg = -7.70 dBW/kg

**#09\_LTE Band 7\_20M\_QPSK\_1\_0\_Right Tilted\_Ch20850**

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

Medium: HSL\_2600\_190410 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.935$  S/m;  $\epsilon_r = 38.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.5, 4.5, 4.5) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.216 W/kg

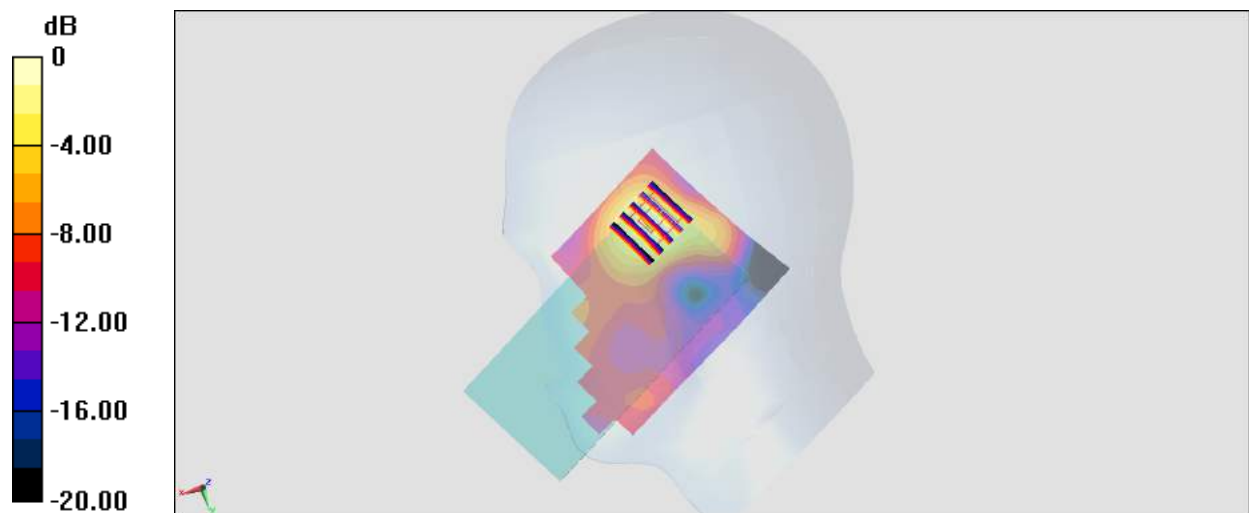
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.895 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.087 W/kg**

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



0 dB = 0.216 W/kg = -6.66 dBW/kg

**#10\_LTE Band 12\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23095**

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium: HSL\_750\_190410 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.865$  S/m;  $\epsilon_r = 43.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

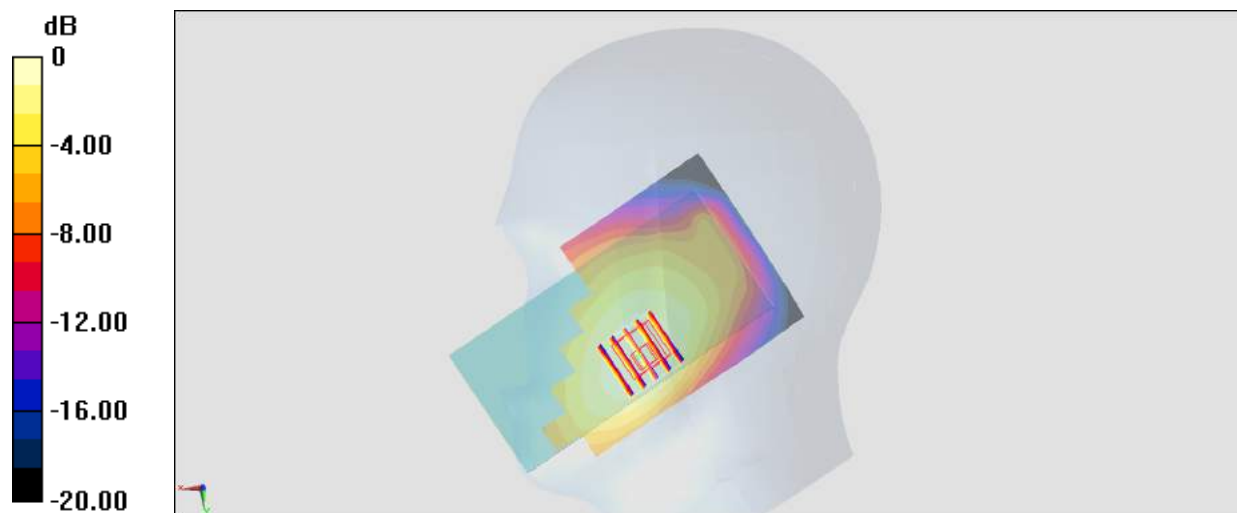
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.10 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.129 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.113 W/kg = -9.47 dBW/kg

**#11\_LTE Band 13\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23230**

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

Medium: HSL\_750\_190410 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 42.659$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0949 W/kg

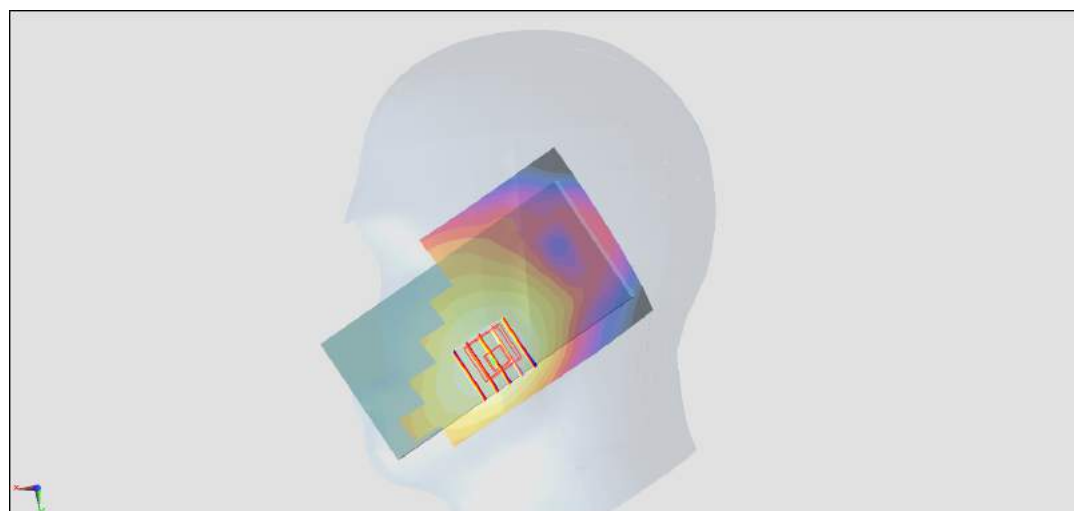
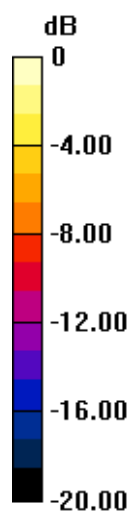
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.60 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.117 W/kg

**SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.0997 W/kg



0 dB = 0.0949 W/kg = -10.23 dBW/kg

**#12\_LTE Band 66\_20M\_QPSK\_1\_0\_Left Cheek\_Ch132072**

Communication System: LTE ; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: HSL\_1750\_190410 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 41.333$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.48, 5.48, 5.48) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

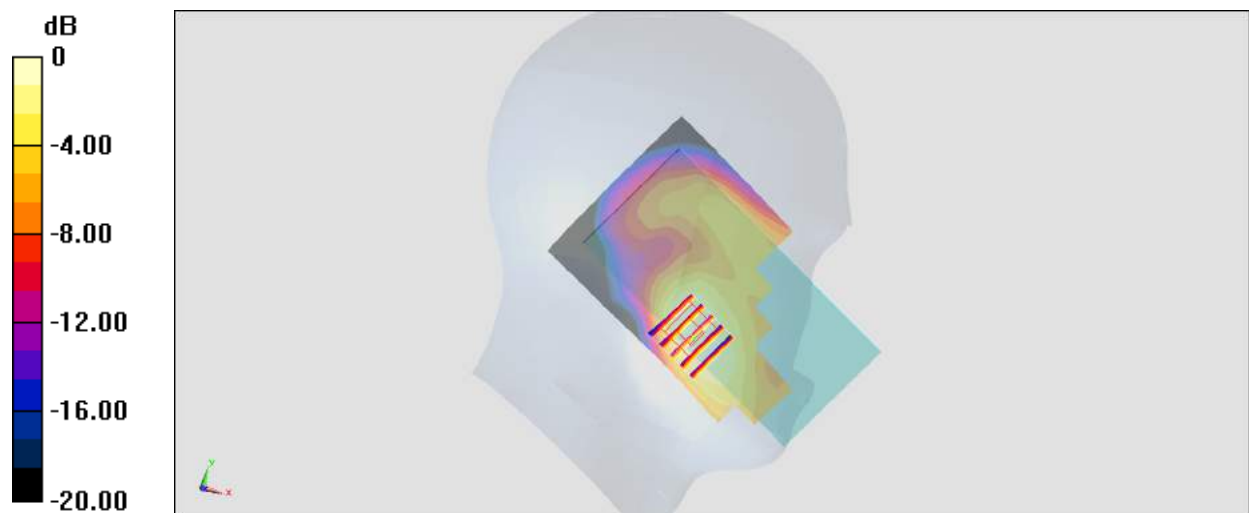
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.978 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

**#13\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch6**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: HSL\_2450\_190410 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.851$  S/m;  $\epsilon_r = 39.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.69, 4.69, 4.69) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

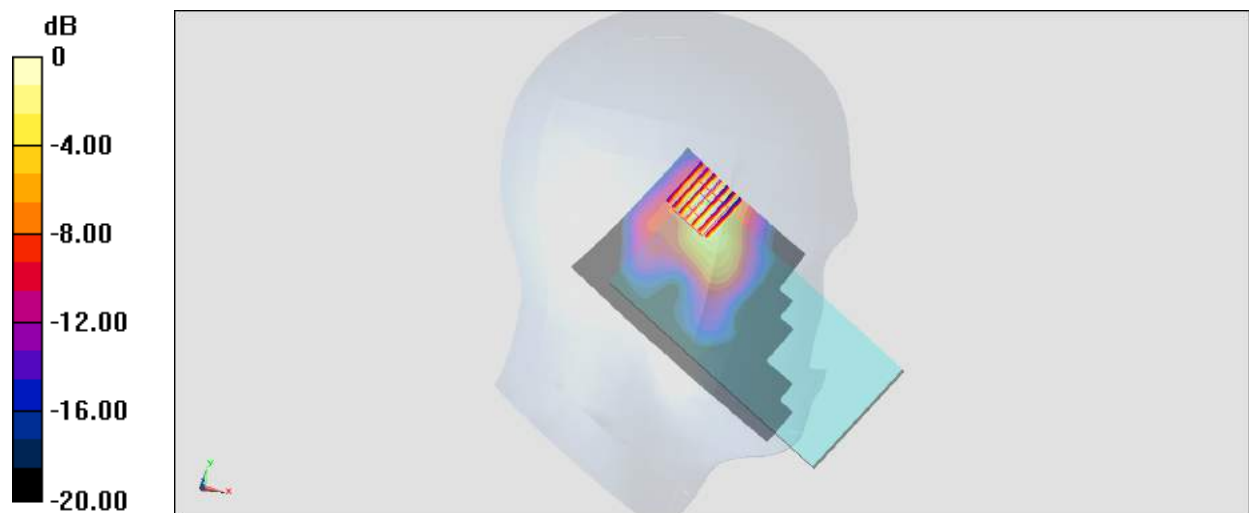
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.859 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.230 W/kg**

Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

**#14\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch56**

Communication System: 802.11a; Frequency: 5280 MHz; Duty Cycle: 1:1.018

Medium: HSL\_5G\_190413 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 4.744$  S/m;  $\epsilon_r = 36.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(5.12, 5.12, 5.12) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.566 W/kg

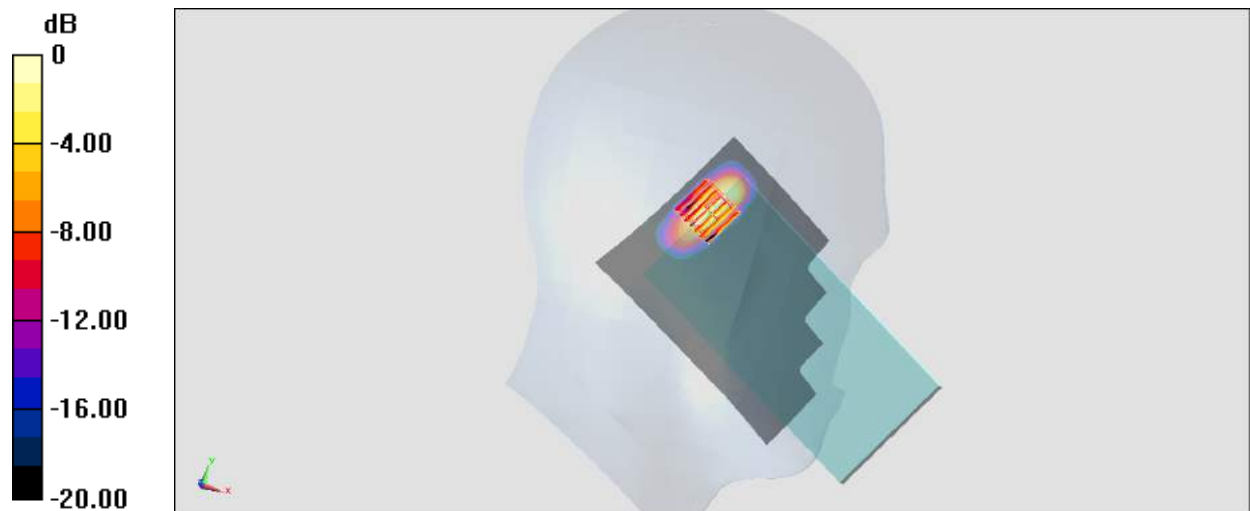
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.469 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

**#15\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch140**

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.018

Medium: HSL\_5G\_190413 Medium parameters used :  $f = 5700$  MHz;  $\sigma = 5.174$  S/m;  $\epsilon_r = 35.67$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.72, 4.72, 4.72) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

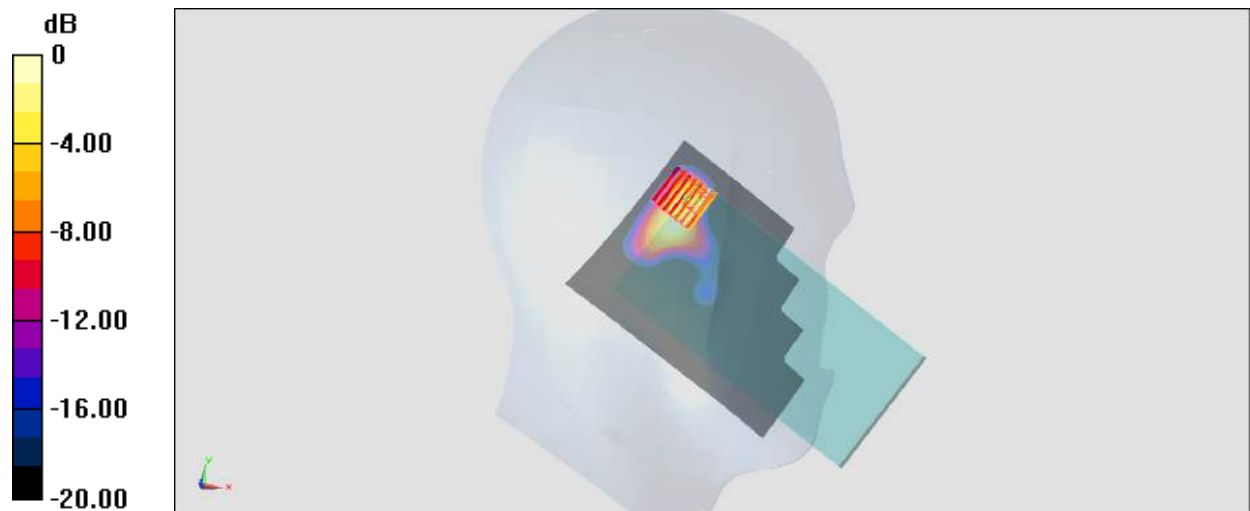
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.504 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.26 W/kg

**SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.211 W/kg**

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



0 dB = 1.38 W/kg = 1.40 dBW/kg

**#16\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch157**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.018

Medium: HSL\_5G\_190413 Medium parameters used :  $f = 5785$  MHz;  $\sigma = 5.26$  S/m;  $\epsilon_r = 35.585$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.72, 4.72, 4.72) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.46 W/kg

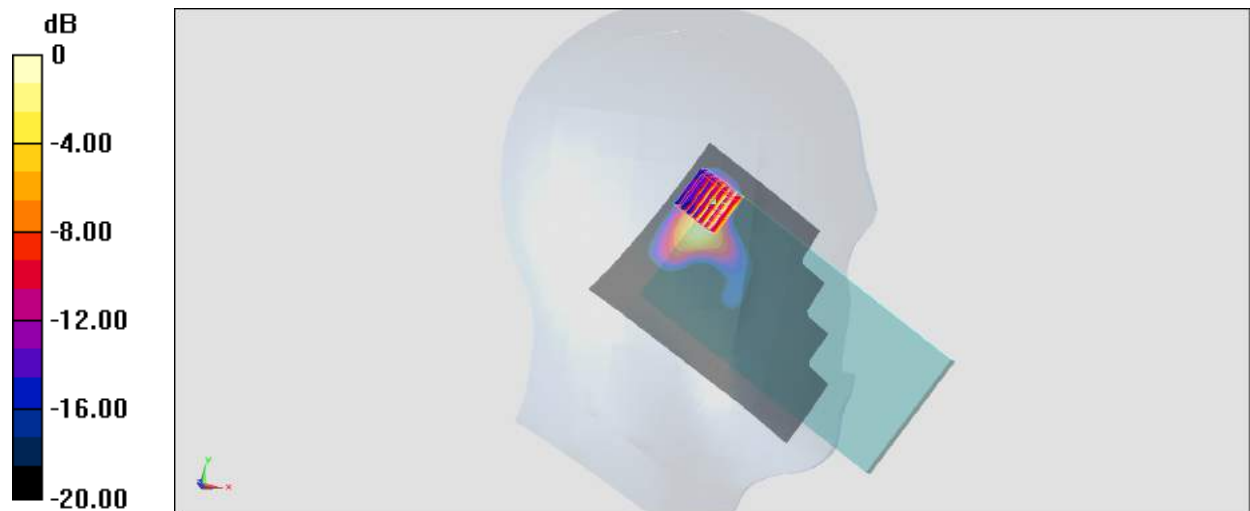
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.827 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.31 W/kg

**SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.208 W/kg**

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



0 dB = 1.46 W/kg = 1.64 dBW/kg

## #17\_Bluetooth\_1Mbps\_Left Cheek\_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.306

Medium: HSL\_2450\_190410 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.811$  S/m;  $\epsilon_r = 39.366$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.69, 4.69, 4.69) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

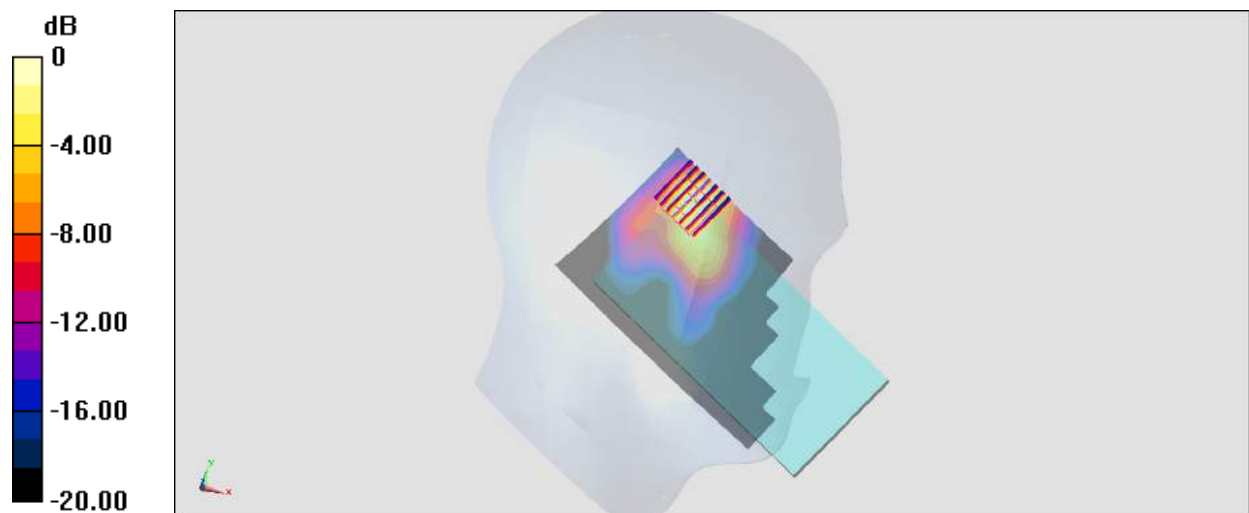
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.057 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.091 W/kg**

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



0 dB = 0.510 W/kg = -2.92 dBW/kg

**#18\_GSM850\_GPRS (2 Tx slots)\_Back\_5mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4.15

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

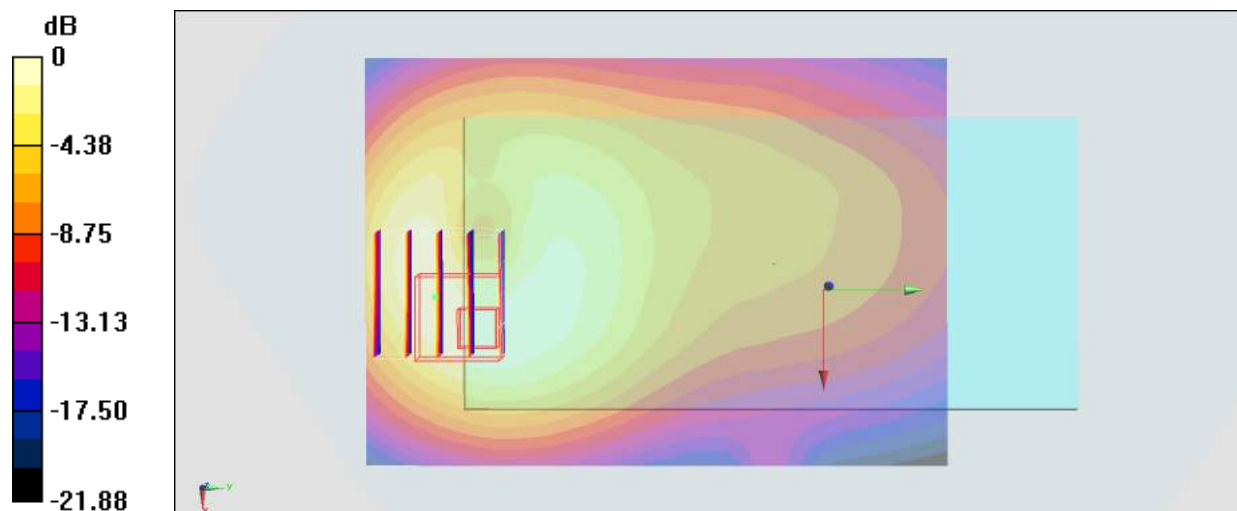
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.079 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.502 W/kg

**SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.164 W/kg**

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



0 dB = 0.337 W/kg = -4.72 dBW/kg

**#19\_GSM1900\_GPRS (2 Tx slots)\_Back\_5mm\_Ch512**

Communication System: PCS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.156 W/kg

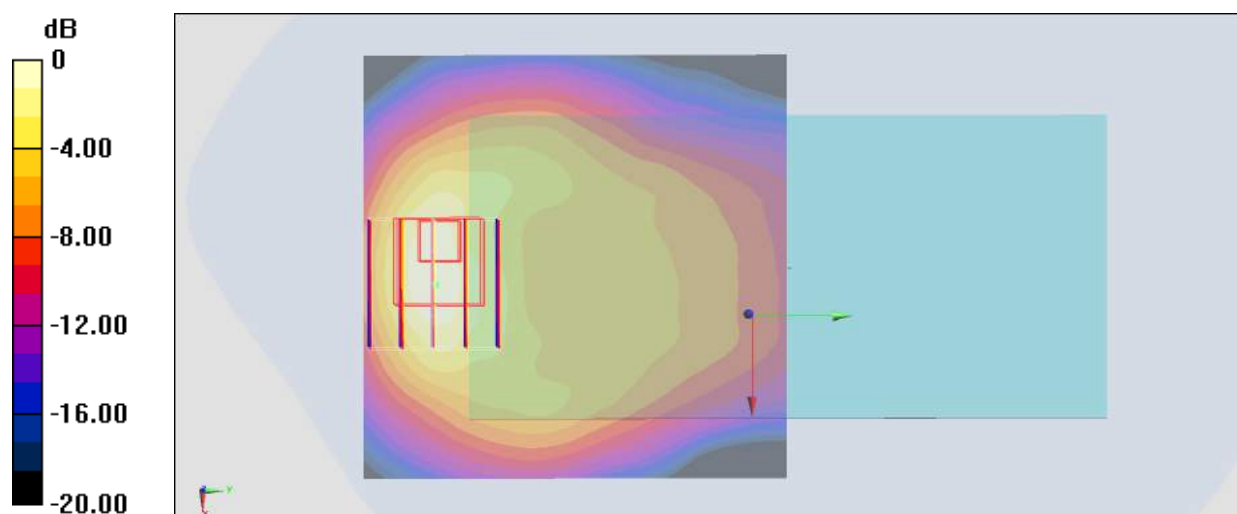
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.137 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

**#20\_WCDMA II\_RMC 12.2Kbps\_Back\_5mm\_Ch9262**

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

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.844$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

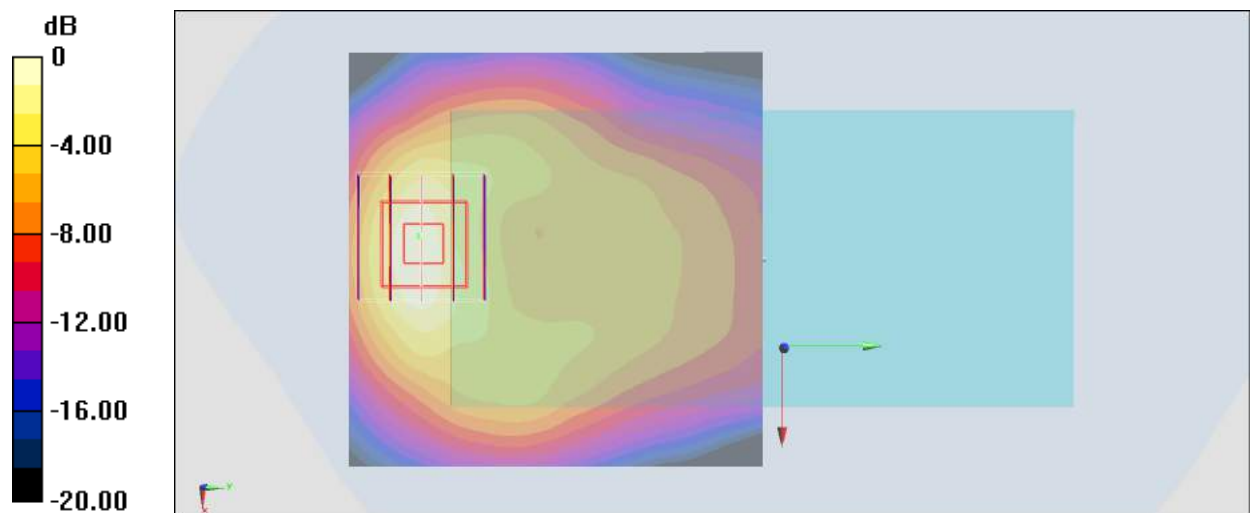
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.42 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.274 W/kg = -5.62 dBW/kg

**#21\_WCDMA V\_RMC 12.2Kbps\_Back\_5mm\_Ch4182**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.391 W/kg

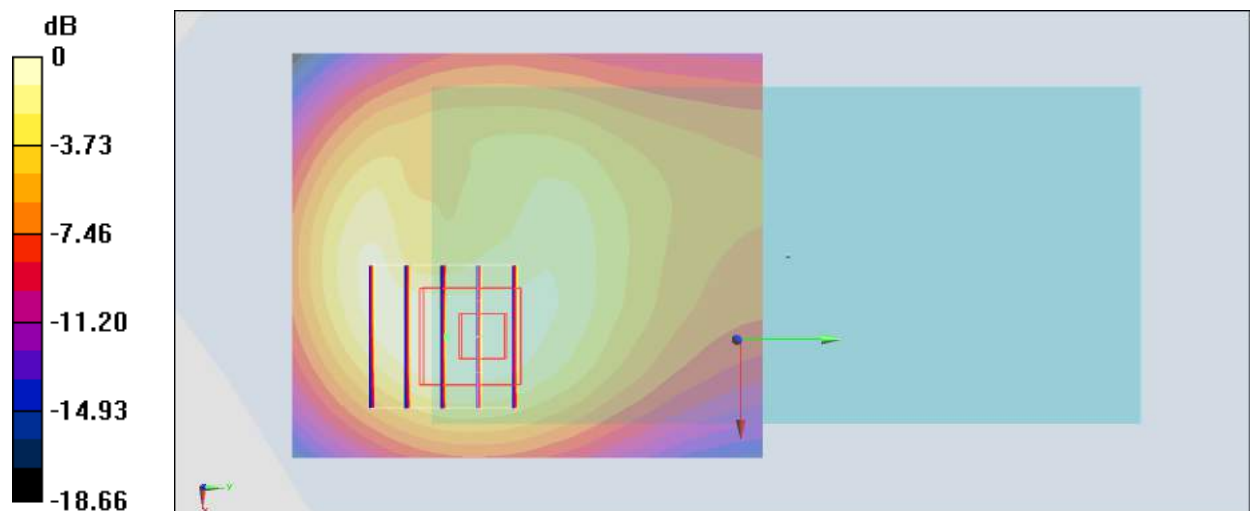
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.03 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.577 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.417 W/kg



**#22\_CDMA2000 BC0\_RTAP 153.6Kbps\_Back\_5mm\_Ch777**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 54.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

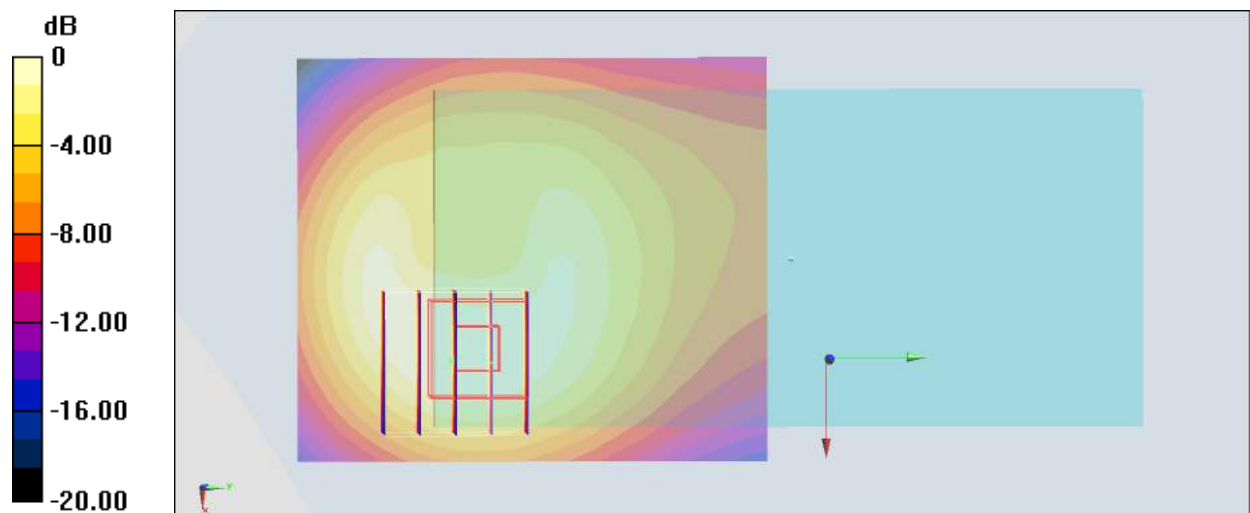
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.23 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.536 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.185 W/kg**

Maximum value of SAR (measured) = 0.368 W/kg



0 dB = 0.372 W/kg = -4.29 dBW/kg

**#23\_CDMA2000 BC1\_RTAP 153.6Kbps\_Bottom Side\_5mm\_Ch600**

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

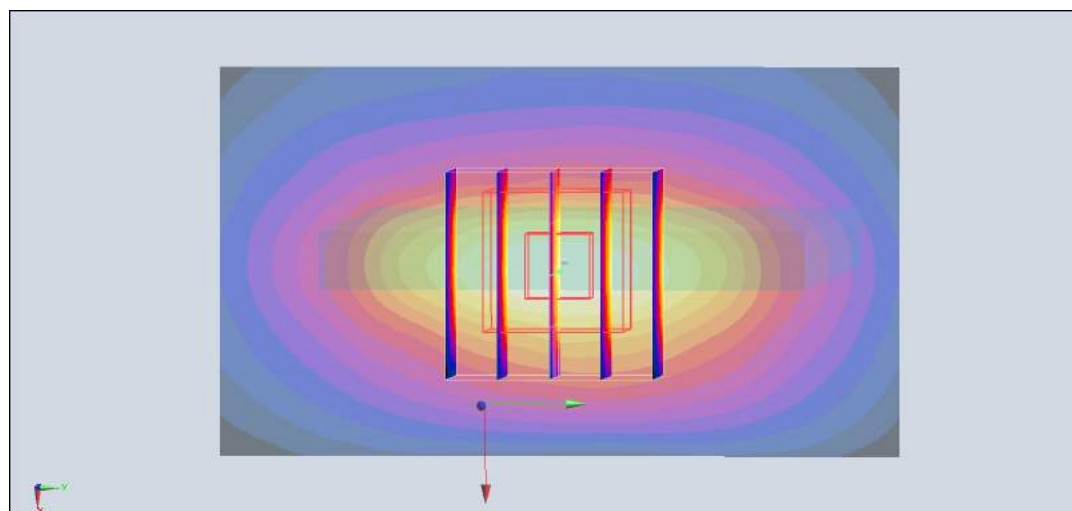
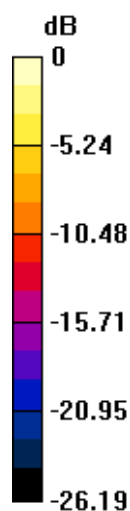
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.75 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.20 W/kg

**SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.522 W/kg**

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



0 dB = 1.50 W/kg = 1.76 dBW/kg

**#24\_LTE Band 2\_20M\_QPSK\_1\_0\_Bottom Side\_5mm\_Ch18700**

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

Medium: MSL\_1900\_190424 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.49$  S/m;  $\epsilon_r = 52.201$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3124; ConvF(4.7, 4.7, 4.7) @ 1860 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

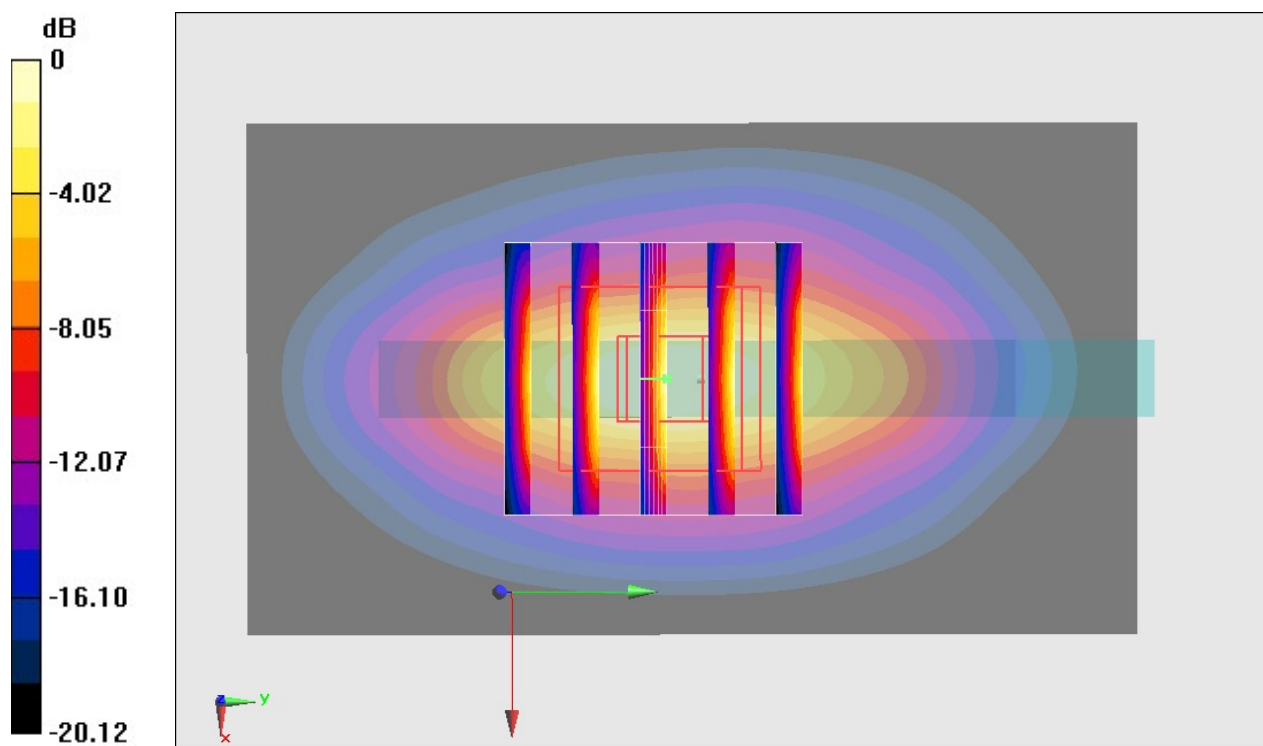
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.42 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.511 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

**#25\_LTE Band 5\_10M\_QPSK\_1\_49\_Back\_5mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

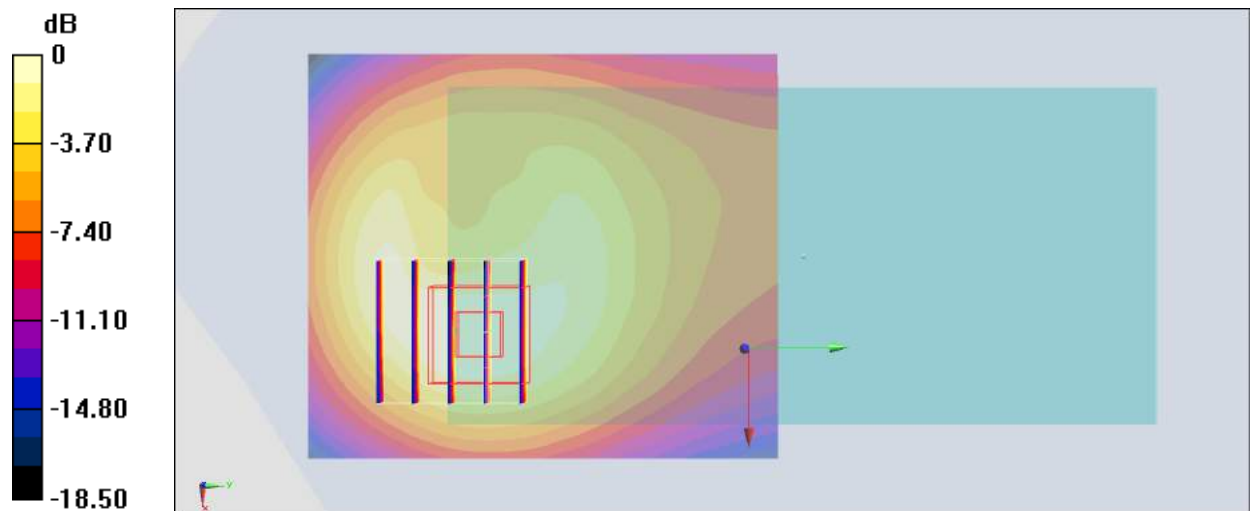
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.579 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.213 W/kg**

Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

**#26\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch20850**

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

Medium: MSL\_2600\_190413 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.052$  S/m;  $\epsilon_r = 53.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.47, 7.47, 7.47) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.387 W/kg

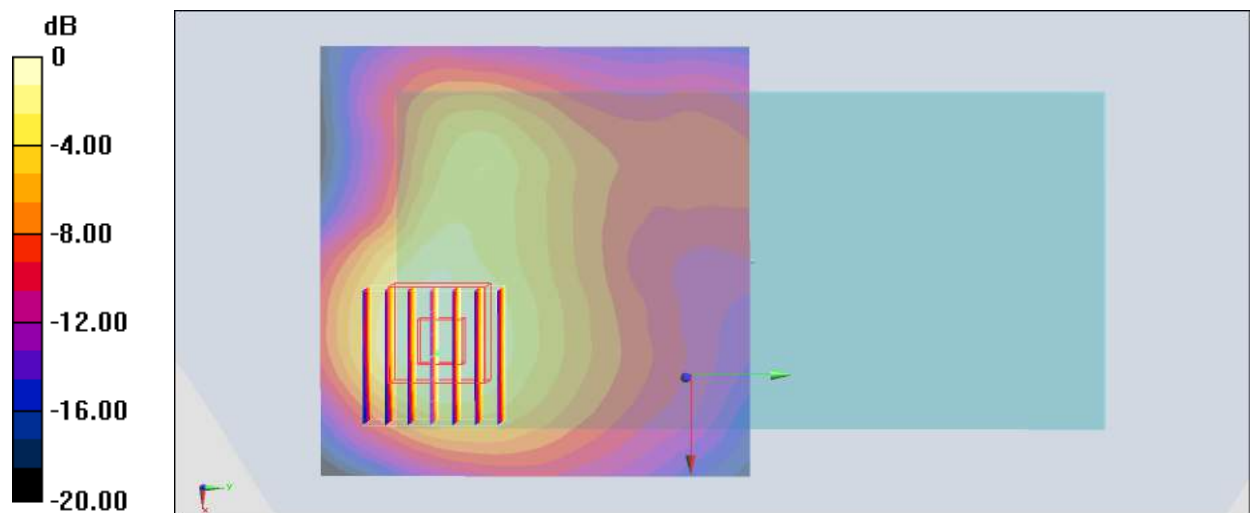
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.124 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

**#27\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23095**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 55.606$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

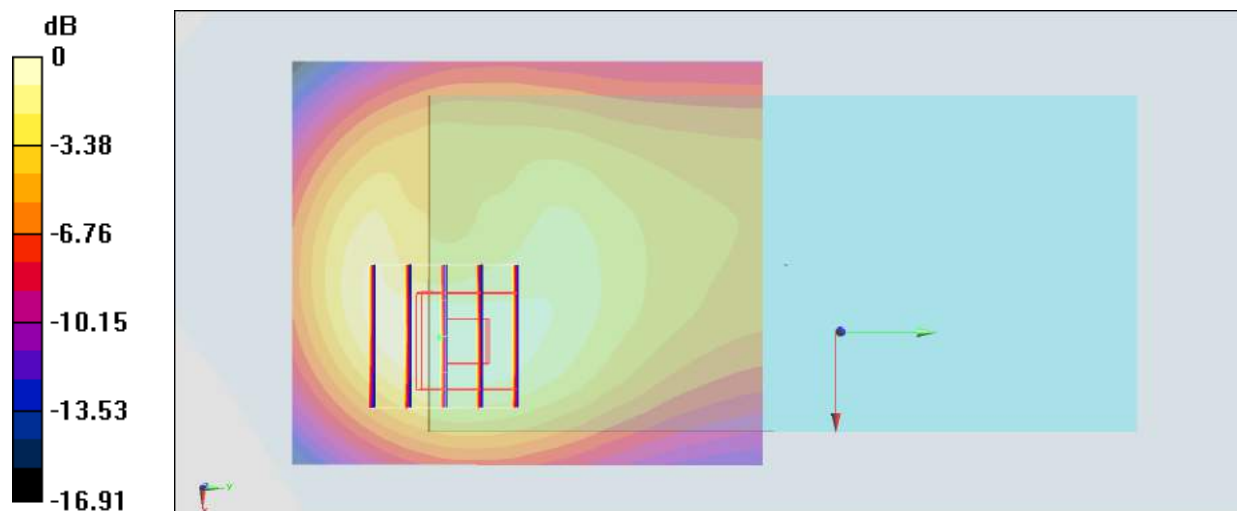
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.89 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.188 W/kg**

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



**#28\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.396 W/kg

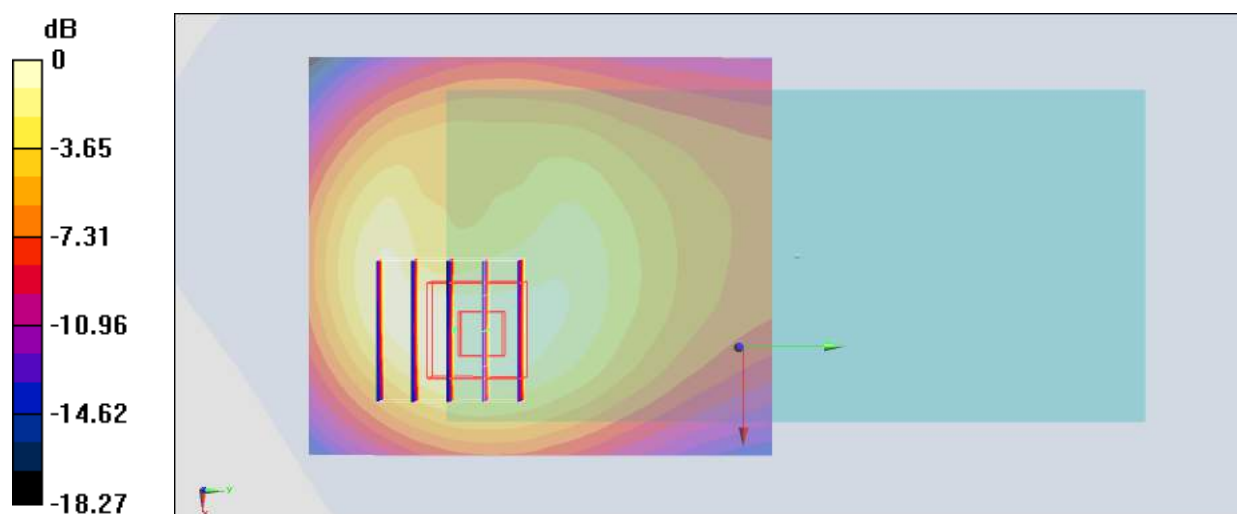
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.248 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.396 W/kg = -4.02 dBW/kg

**#29\_LTE Band 66\_20M\_QPSK\_1\_0\_Bottom Side\_5mm\_Ch132572**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190424 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.509$  S/m;  $\epsilon_r = 54.615$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3124; ConvF(4.9, 4.9, 4.9) @ 1770 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

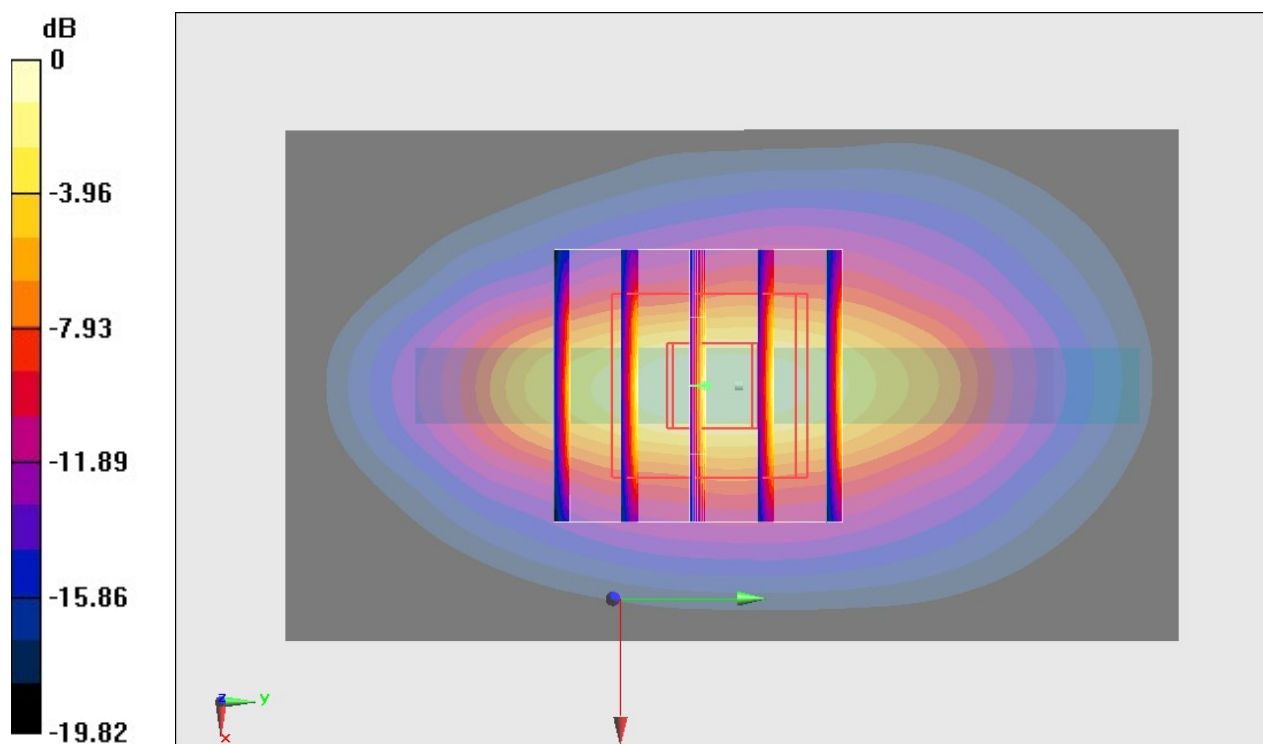
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.41 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.856 W/kg; SAR(10 g) = 0.471 W/kg**

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

**#30\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_5mm\_Ch6**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_190413 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 53.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.287 W/kg

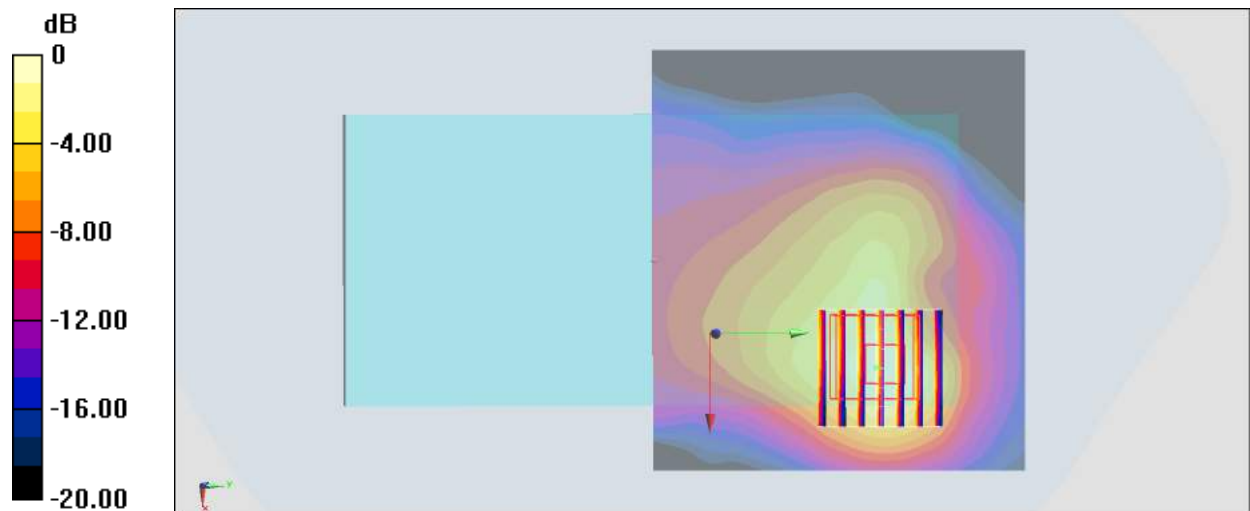
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.562 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.332 W/kg

**SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

**#31\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch44**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.344$  S/m;  $\epsilon_r = 46.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.139 W/kg

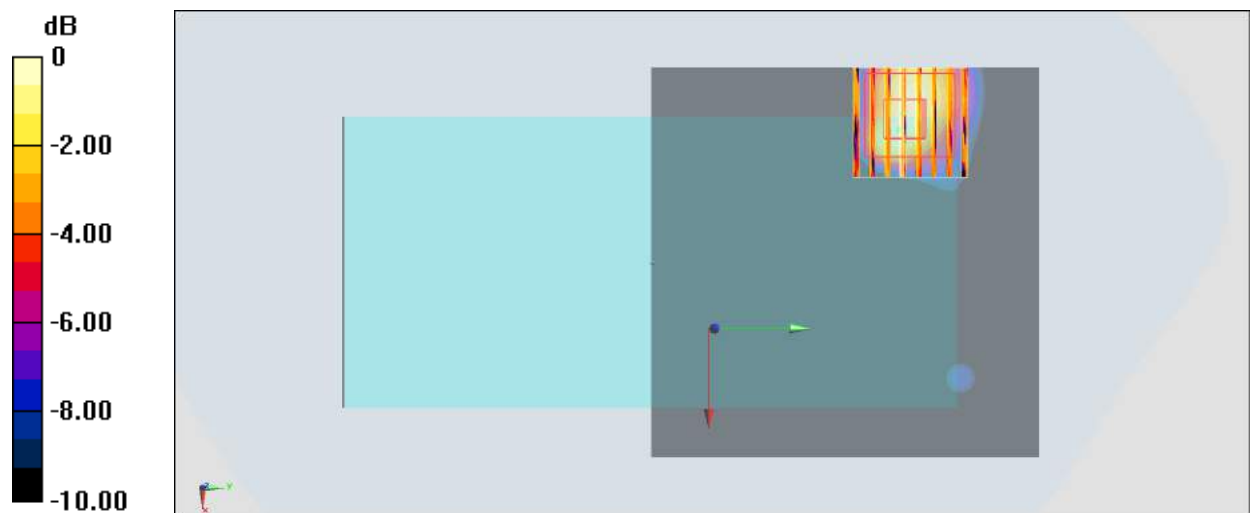
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.567 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.026 W/kg**

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



0 dB = 0.139 W/kg = -8.57 dBW/kg

**#32\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch165**

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.139$  S/m;  $\epsilon_r = 45.938$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.11, 4.11, 4.11) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.360 W/kg

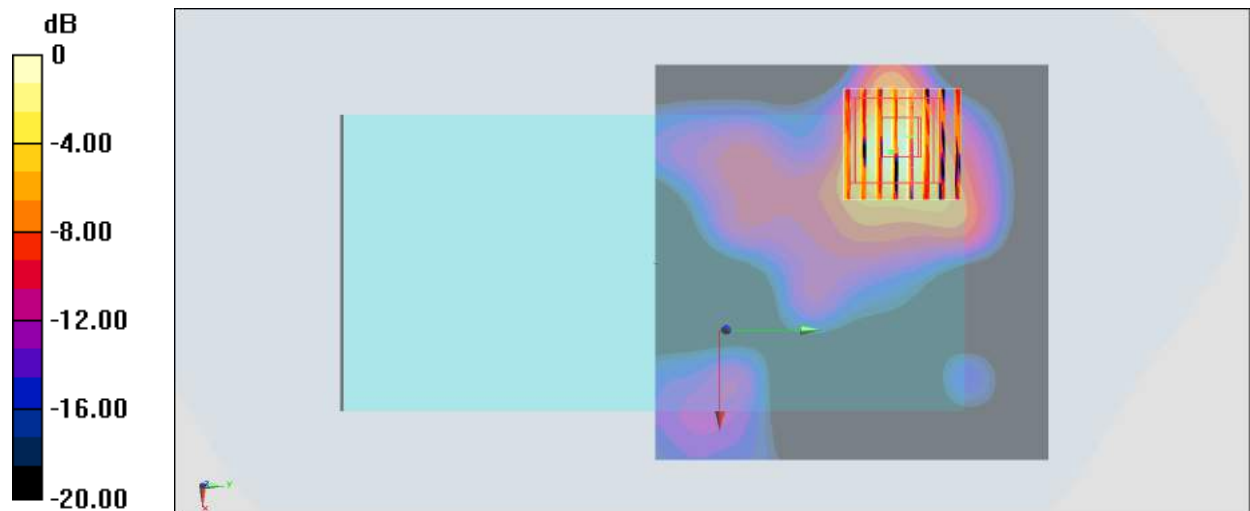
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.291 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.591 W/kg

**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.359 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

### #33\_Bluetooth\_1Mbps\_Back\_5mm\_Ch0

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.306

Medium: MSL\_2450\_190413 Medium parameters used :  $f = 2402$  MHz;  $\sigma = 1.907$  S/m;  $\epsilon_r = 53.527$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0513 W/kg

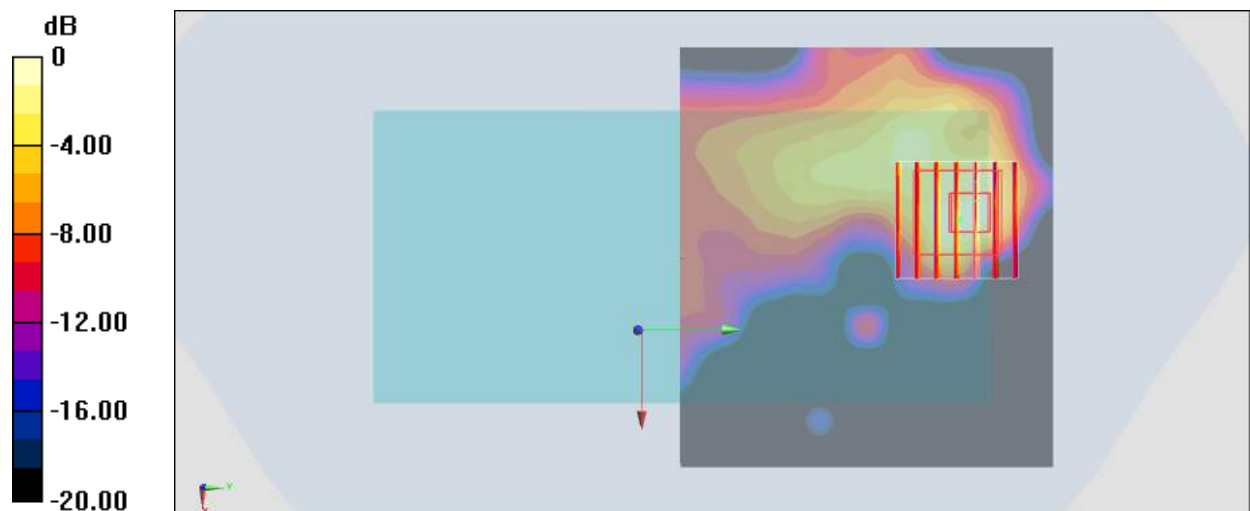
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.697 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.134 W/kg

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

Maximum value of SAR (measured) = 0.0509 W/kg



0 dB = 0.0513 W/kg = -12.90 dBW/kg

**#34\_GSM850\_GPRS (2 Tx slots)\_Back\_5mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4.15

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

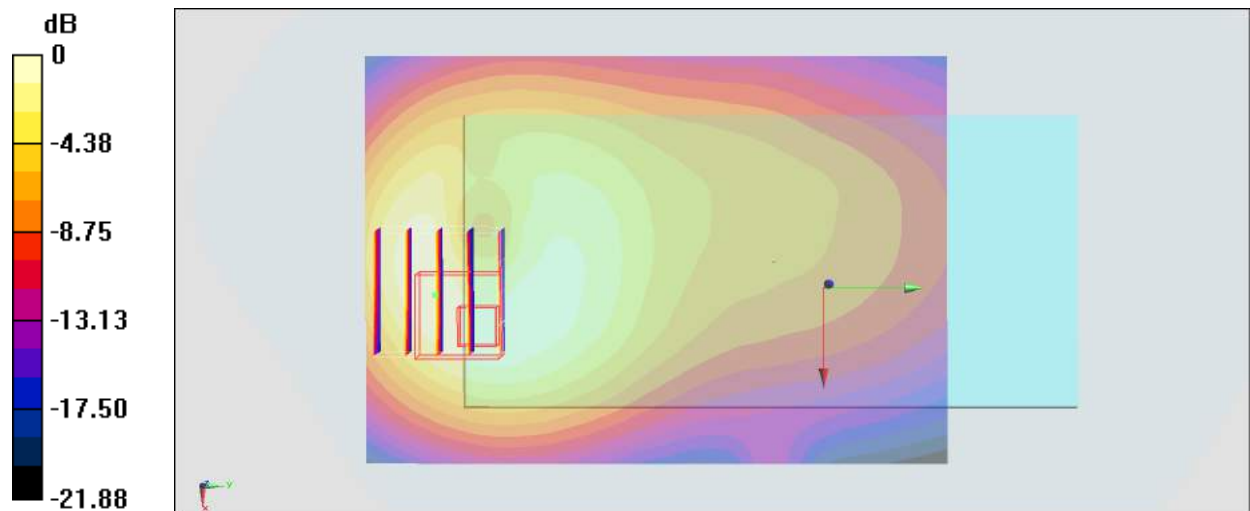
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.079 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.502 W/kg

**SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.164 W/kg**

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



0 dB = 0.337 W/kg = -4.72 dBW/kg

**#35\_GSM1900\_GPRS (2 Tx slots)\_Back\_5mm\_Ch512**

Communication System: PCS ; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.156 W/kg

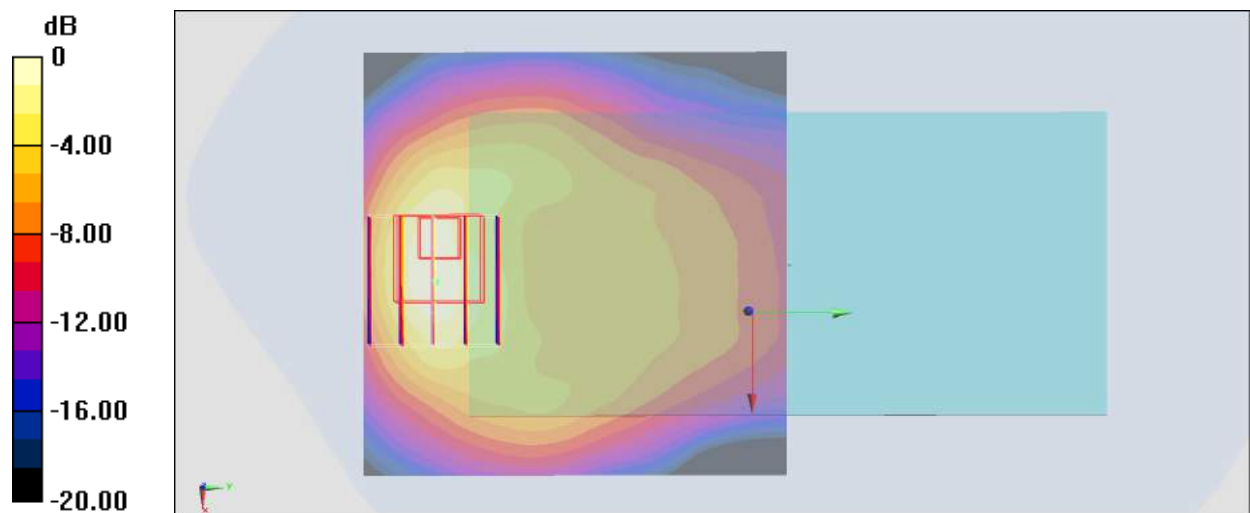
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.137 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

**#36\_WCDMA II\_RMC 12.2Kbps\_Back\_5mm\_Ch9262**

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

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.844$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

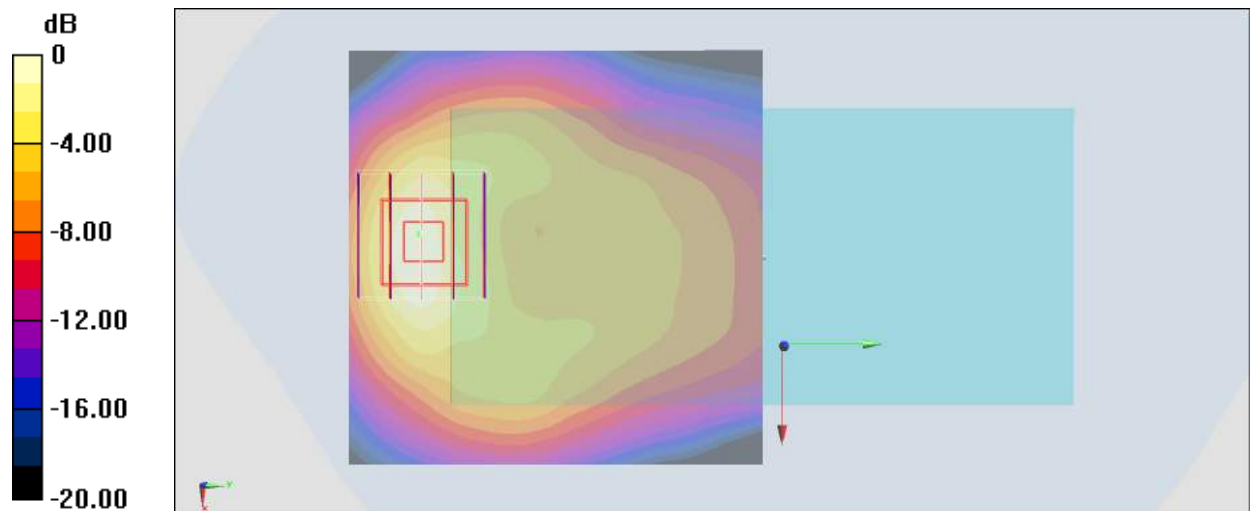
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.42 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.274 W/kg = -5.62 dBW/kg

**#37\_WCDMA V\_RMC 12.2Kbps\_Back\_5mm\_Ch4182**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.391 W/kg

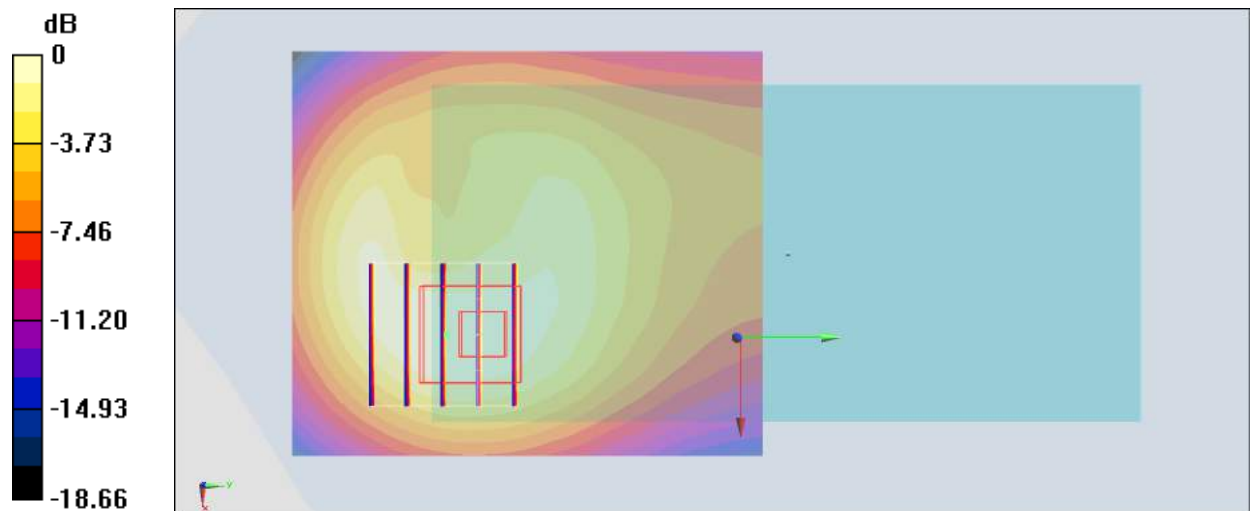
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.03 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.577 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.417 W/kg



**#38\_CDMA2000 BC0\_RC3 SO32\_Back\_5mm\_Ch777**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 54.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.387 W/kg

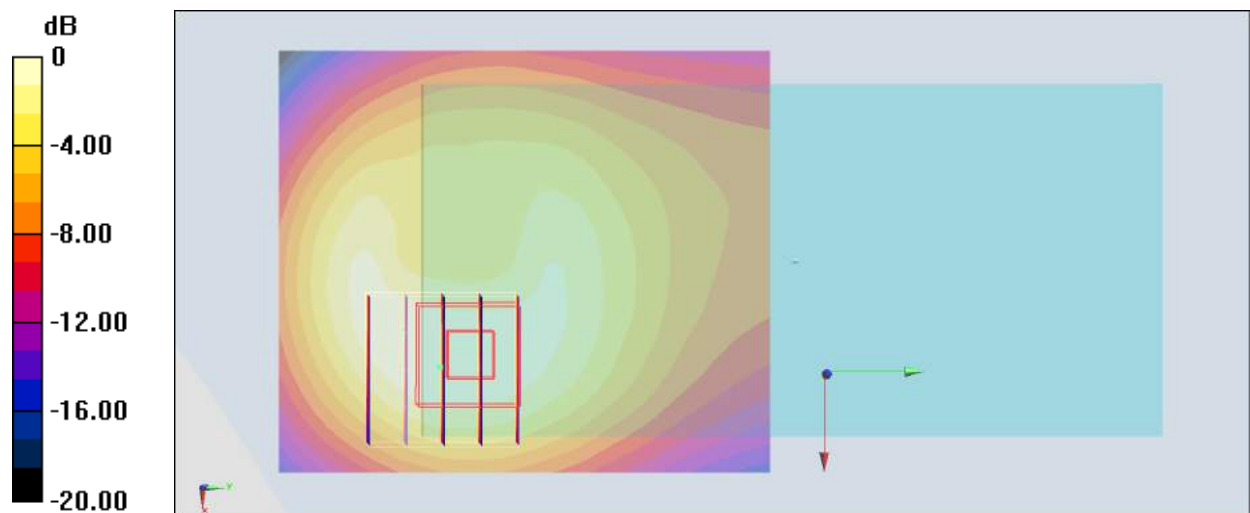
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.52 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.544 W/kg

**SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.188 W/kg**

Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

**#39\_CDMA2000 BC1\_RC3 SO32 (F+SCH)\_Back\_5mm\_Ch25**

Communication System: CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.266 W/kg

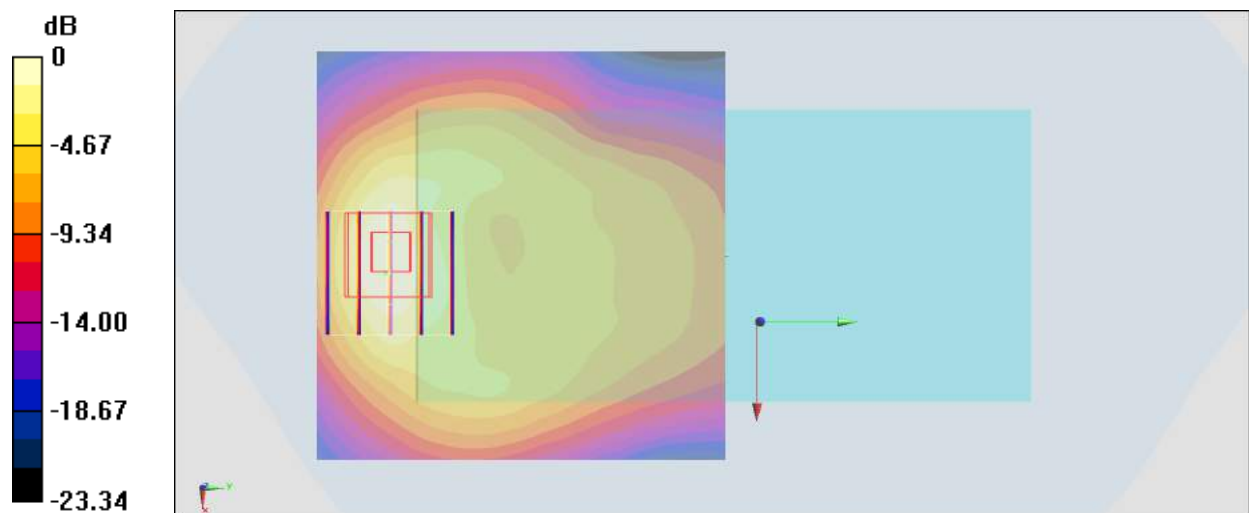
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.146 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.134 W/kg**

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



0 dB = 0.266 W/kg = -5.75 dBW/kg

**#40\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch18700**

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

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 53.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.278 W/kg

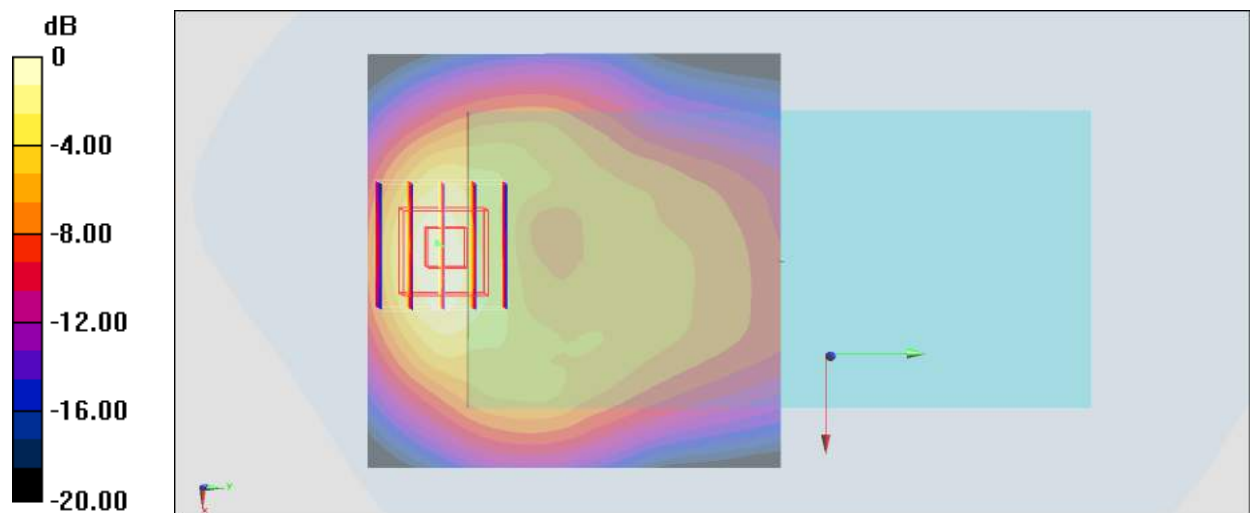
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.27 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.278 W/kg = -5.56 dBW/kg

**#41\_LTE Band 5\_10M\_QPSK\_1\_49\_Back\_5mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

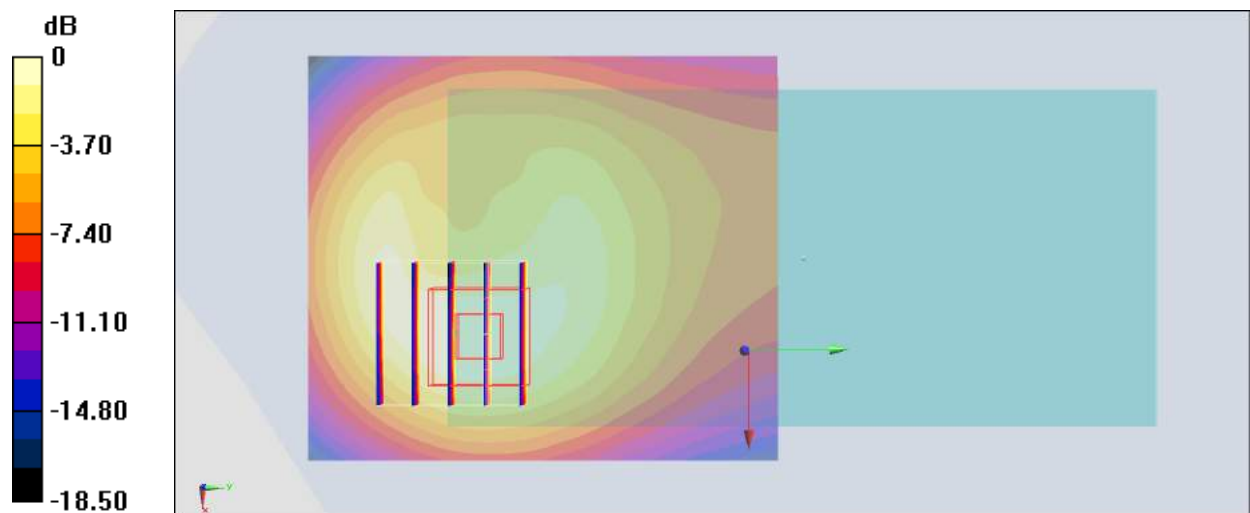
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.579 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.213 W/kg**

Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

**#42\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch20850**

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

Medium: MSL\_2600\_190413 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.052$  S/m;  $\epsilon_r = 53.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.47, 7.47, 7.47) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.387 W/kg

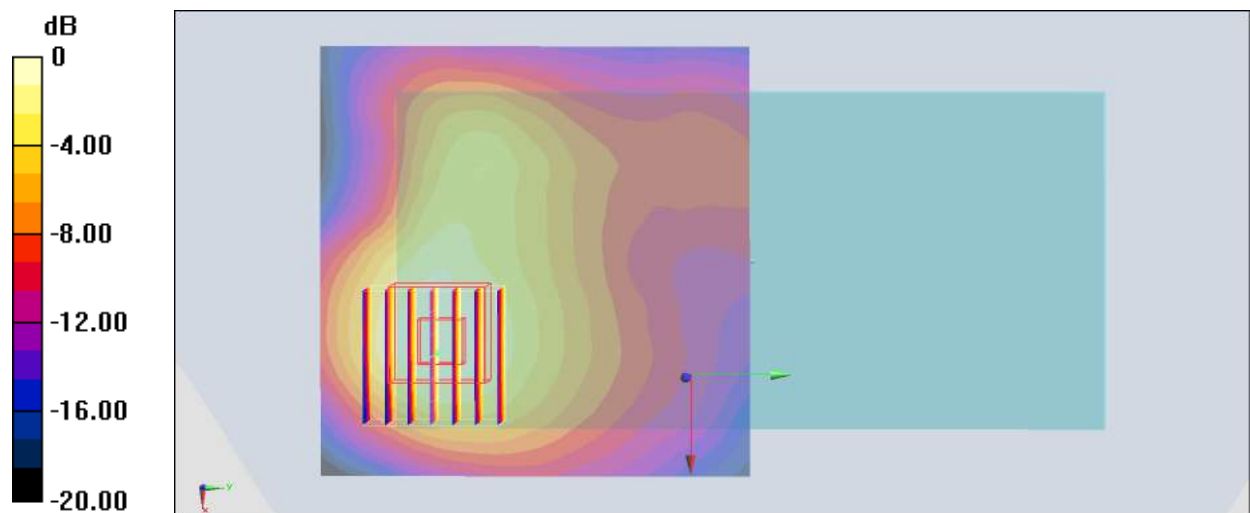
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.124 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

**#43\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23095**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 55.606$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

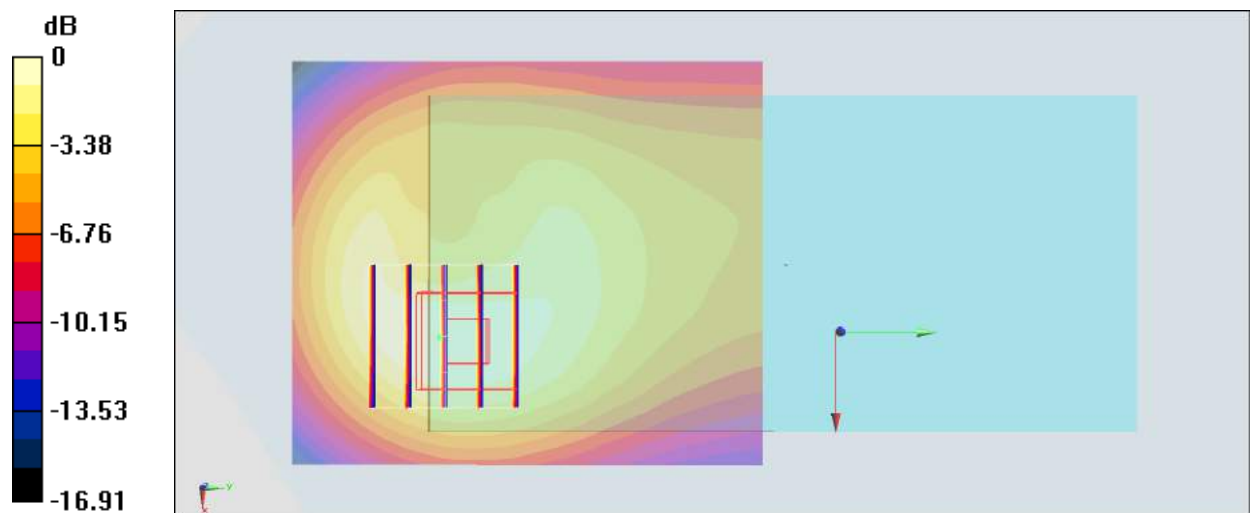
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.89 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.188 W/kg**

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



**#44\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23230;Headset**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.481 W/kg

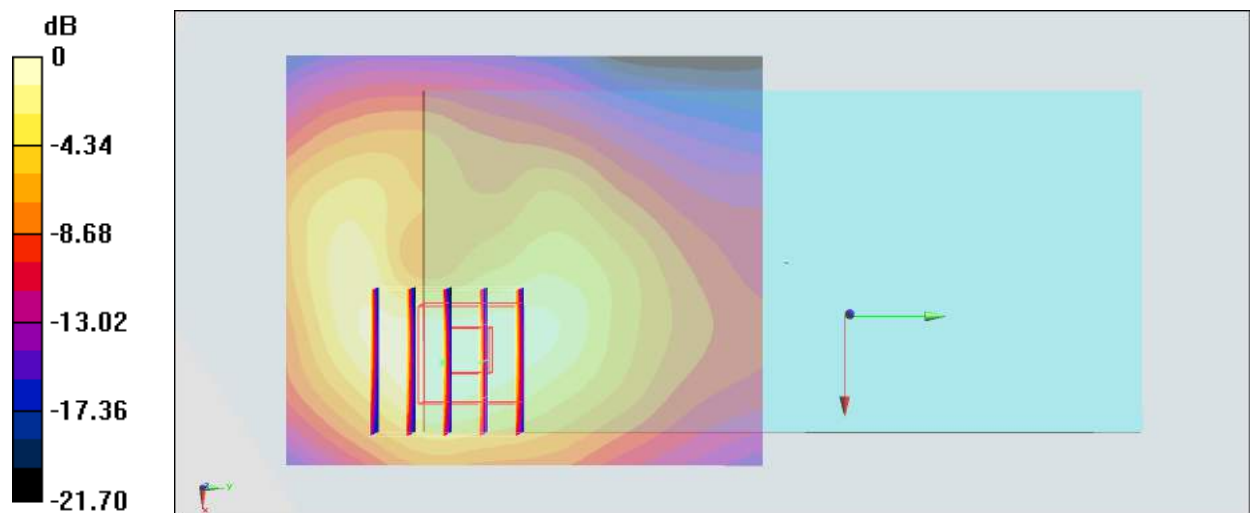
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.391 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.931 W/kg

**SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.255 W/kg**

Maximum value of SAR (measured) = 0.559 W/kg



**#45\_LTE Band 66\_20M\_QPSK\_50\_0\_Back\_5mm\_Ch132572**

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium: MSL\_1750\_190412 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.536$  S/m;  $\epsilon_r = 53.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.327 W/kg

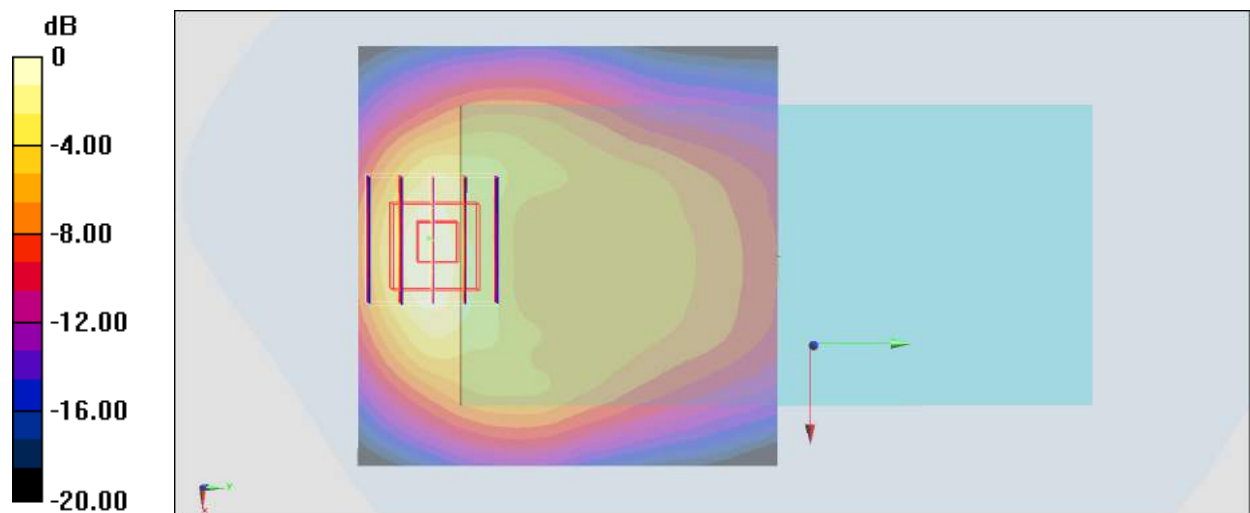
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.54 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.167 W/kg**

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



**#46\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_5mm\_Ch6**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_190413 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 53.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.287 W/kg

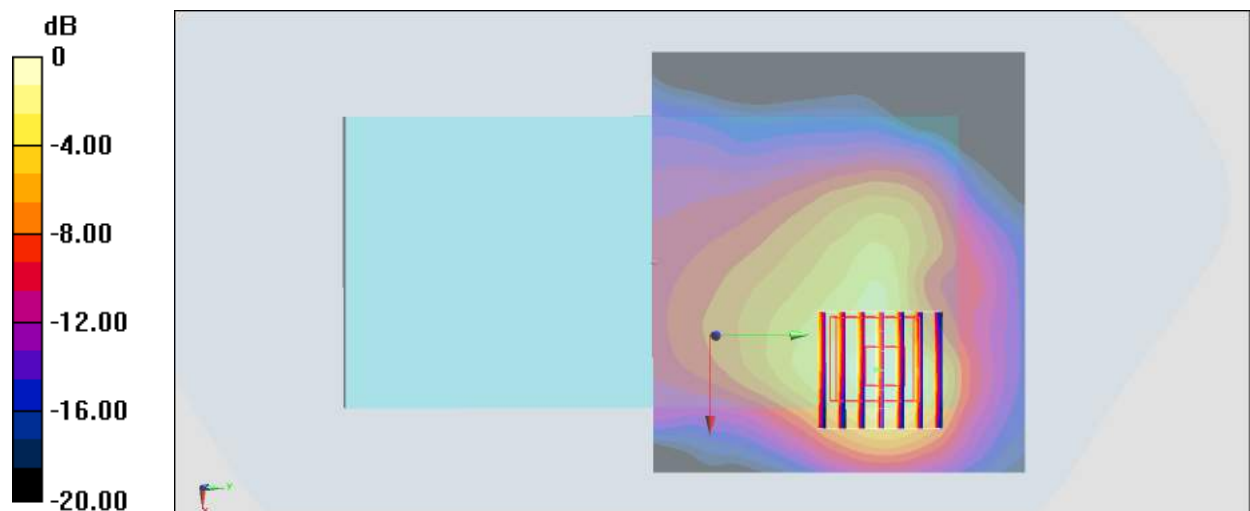
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.562 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.332 W/kg

**SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

**#47\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch56**

Communication System: 802.11a; Frequency: 5280 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.419$  S/m;  $\epsilon_r = 46.834$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

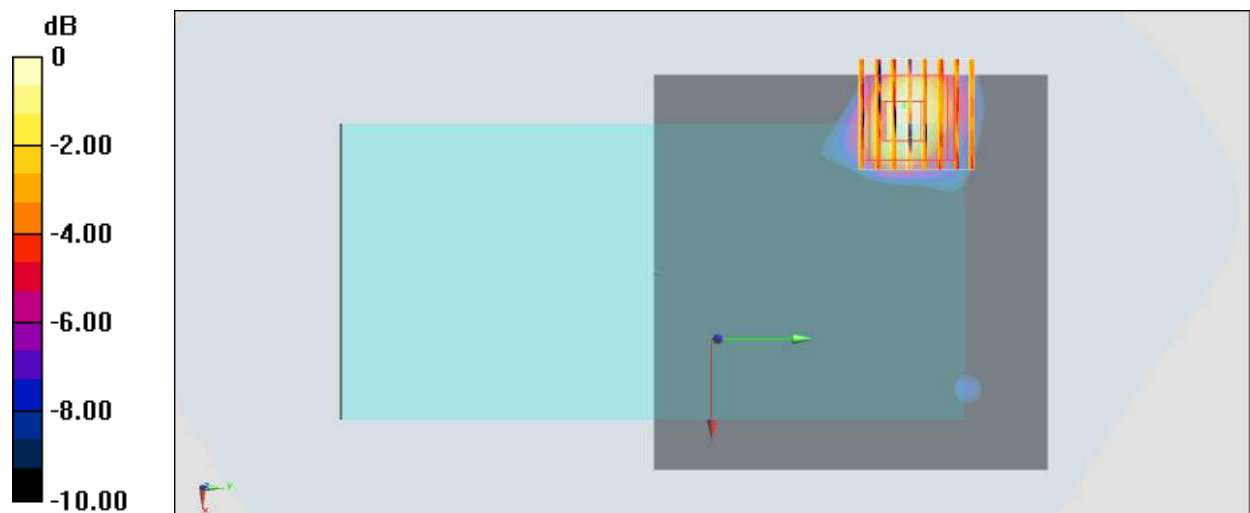
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.999 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.337 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg



**#48\_WLAN5GHz\_802.11a 6Mbps\_Front\_5mm\_Ch140**

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used :  $f = 5700$  MHz;  $\sigma = 5.968$  S/m;  $\epsilon_r = 46.135$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.11, 4.11, 4.11) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.648 W/kg

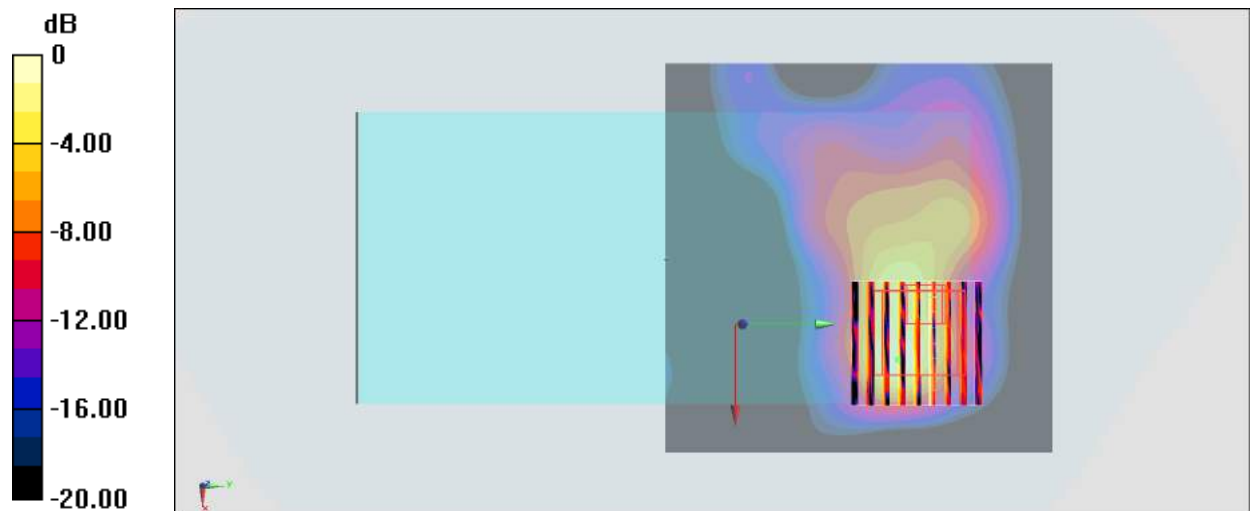
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.52 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.635 W/kg



**#49\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch165**

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.139$  S/m;  $\epsilon_r = 45.938$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.11, 4.11, 4.11) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.360 W/kg

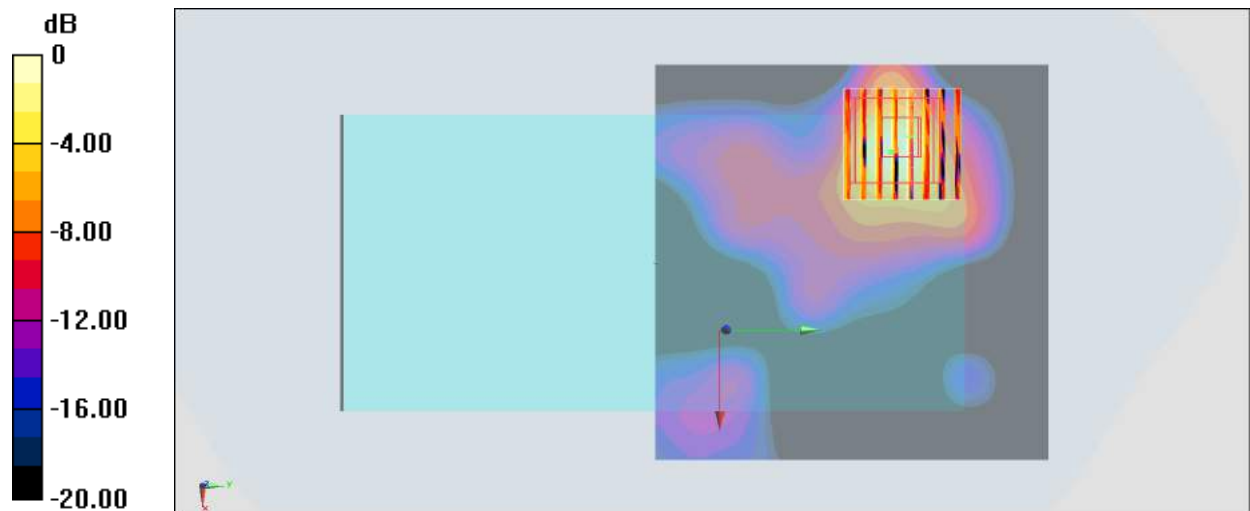
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.291 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.591 W/kg

**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.359 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

**#50\_Bluetooth\_1Mbps\_Back\_5mm\_Ch0**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.306

Medium: MSL\_2450\_190413 Medium parameters used :  $f = 2402$  MHz;  $\sigma = 1.907$  S/m;  $\epsilon_r = 53.527$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0513 W/kg

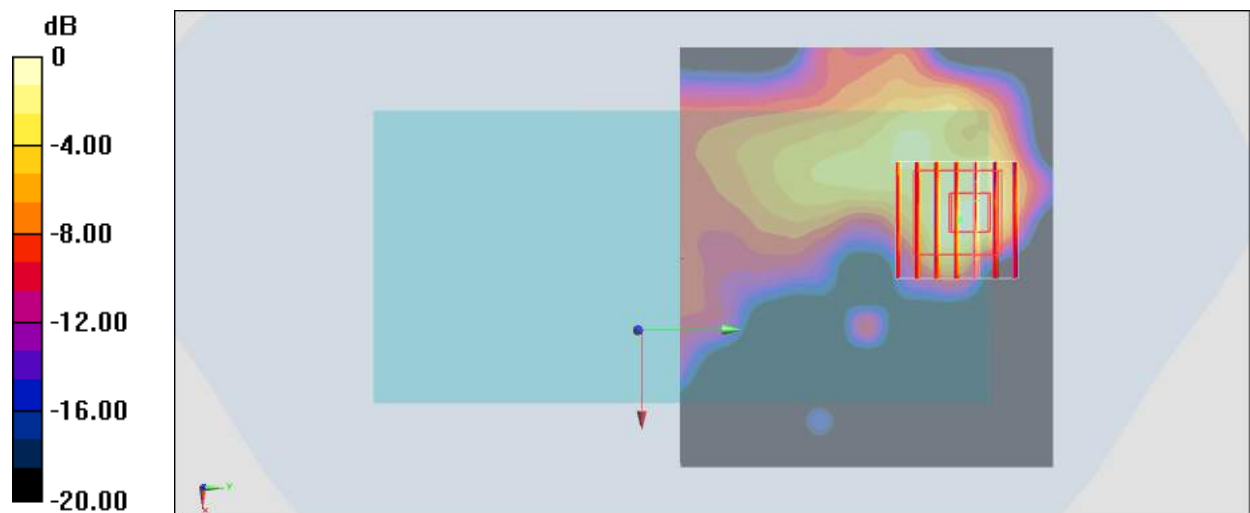
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.697 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.134 W/kg

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

Maximum value of SAR (measured) = 0.0509 W/kg



0 dB = 0.0513 W/kg = -12.90 dBW/kg

**#51\_GSM850\_GPRS (2 Tx slots)\_Back\_0mm\_Ch251**

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: MSL\_850\_190411 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.952$  S/m;  $\epsilon_r = 54.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

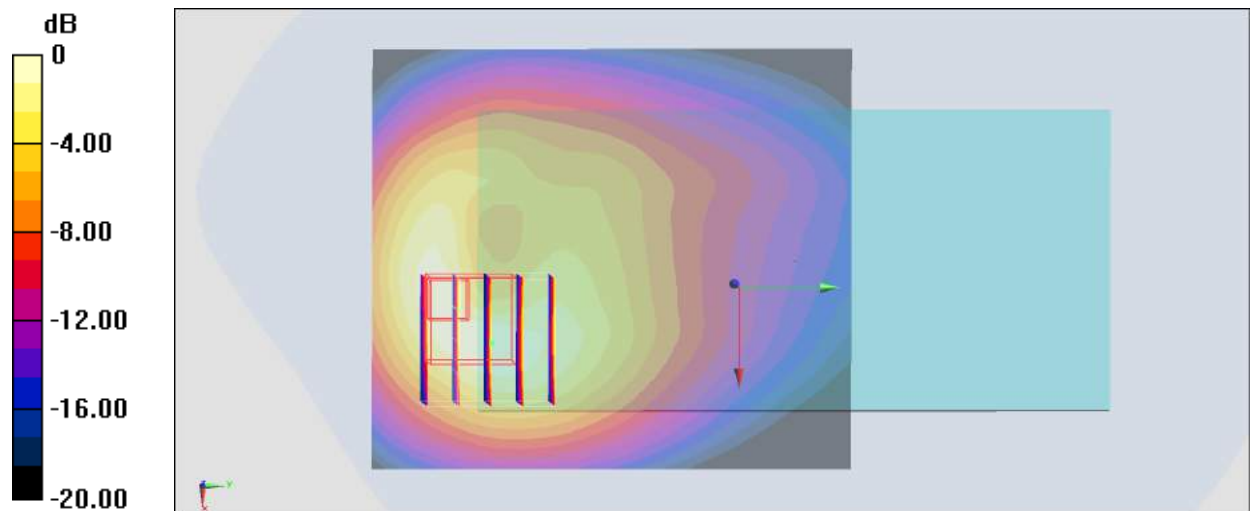
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.84 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.811 W/kg**

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

**#52\_GSM1900\_GPRS (2 Tx slots)\_Bottom Side\_0mm\_Ch512**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.47 W/kg

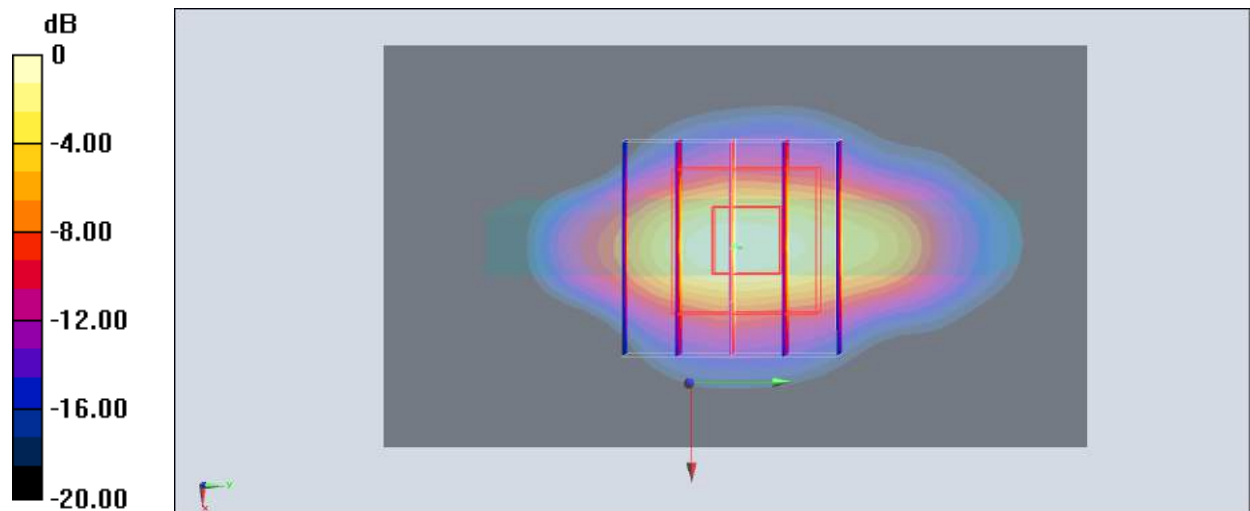
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.14 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 10.9 W/kg

**SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.13 W/kg**

Maximum value of SAR (measured) = 7.67 W/kg



0 dB = 8.47 W/kg = 9.28 dBW/kg

**#53\_WCDMA II\_RMC 12.2Kbps\_Bottom Side\_0mm\_Ch9262**

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

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 53.844$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.5 W/kg

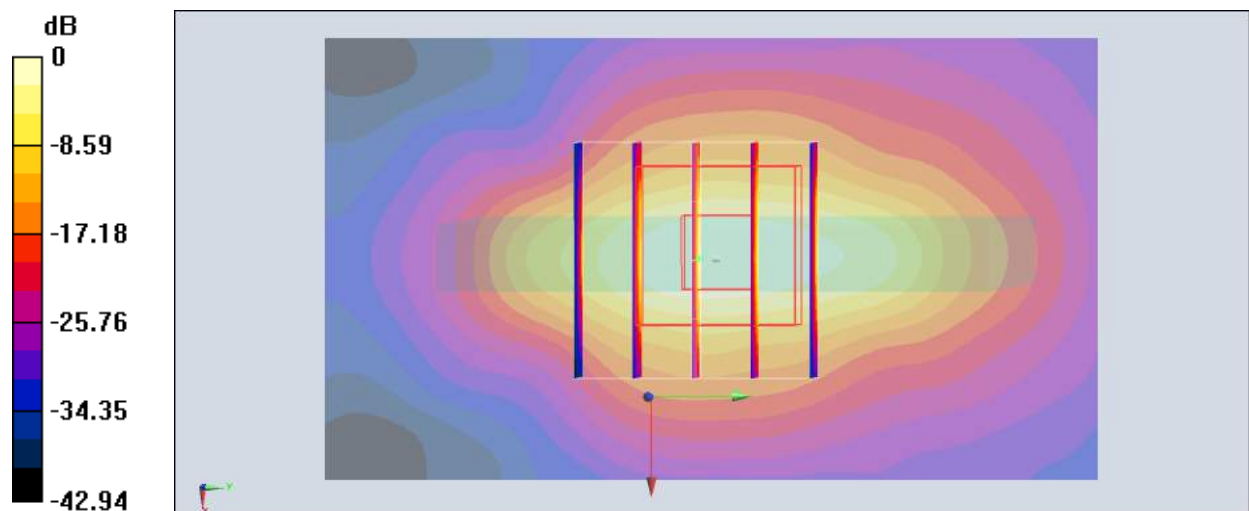
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.36 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 16.5 W/kg

**SAR(1 g) = 7.02 W/kg; SAR(10 g) = 2.83 W/kg**

Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg

**#54\_WCDMA V\_RMC 12.2Kbps\_Back\_0mm\_Ch4182**

Communication System: WCDMA ; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.31 W/kg

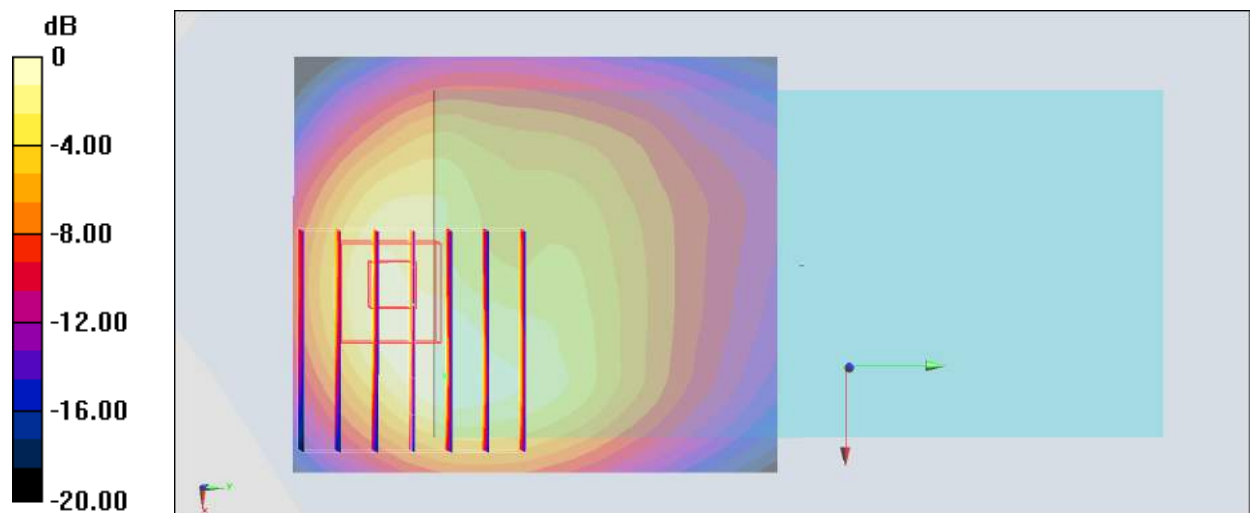
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.07 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.626 W/kg**

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



0 dB = 1.31 W/kg = 1.17 dBW/kg

**#55\_CDMA2000 BC0\_RTAP 153.6Kbps\_Back\_0mm\_Ch777**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190411 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 54.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

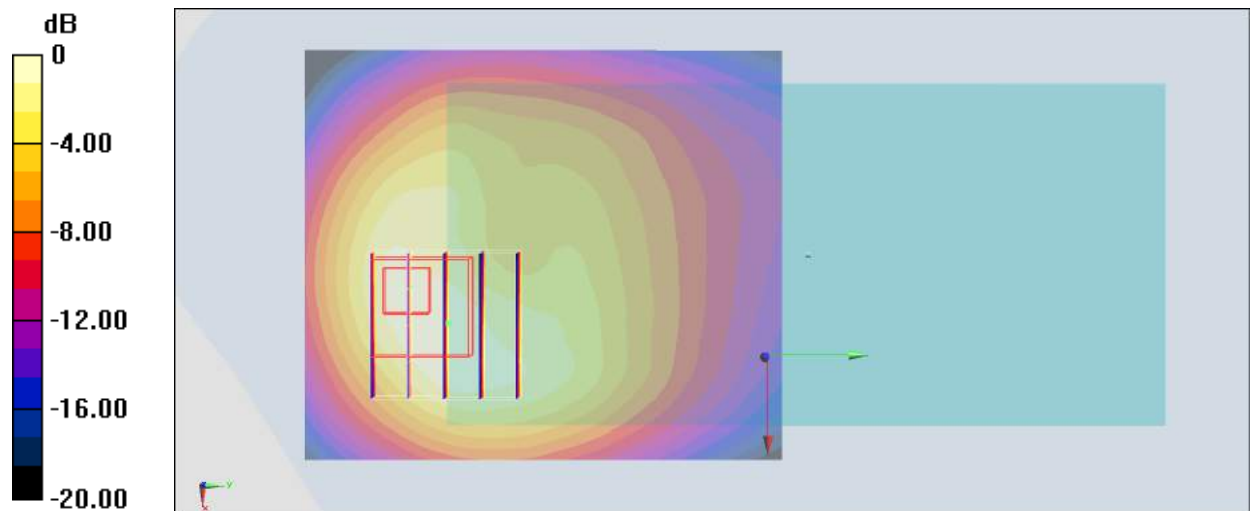
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.30 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.39 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.678 W/kg**

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



0 dB = 1.50 W/kg = 1.76 dBW/kg

**#56\_CDMA2000 BC1\_RTAP 153.6Kbps\_Bottom Side\_0mm\_Ch25**

Communication System: CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190412 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

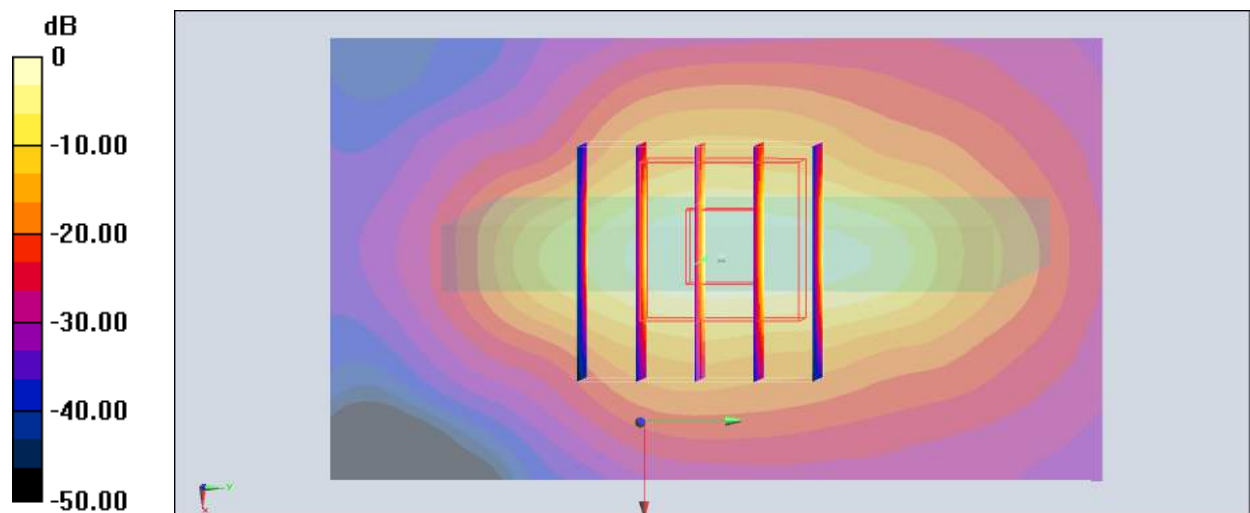
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.20 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 16.5 W/kg

**SAR(1 g) = 6.94 W/kg; SAR(10 g) = 2.76 W/kg**

Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 12.1 W/kg = 10.83 dBW/kg

**#57\_LTE Band 2\_20M\_QPSK\_1\_0\_Bottom Side\_0mm\_Ch18700**

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

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 53.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

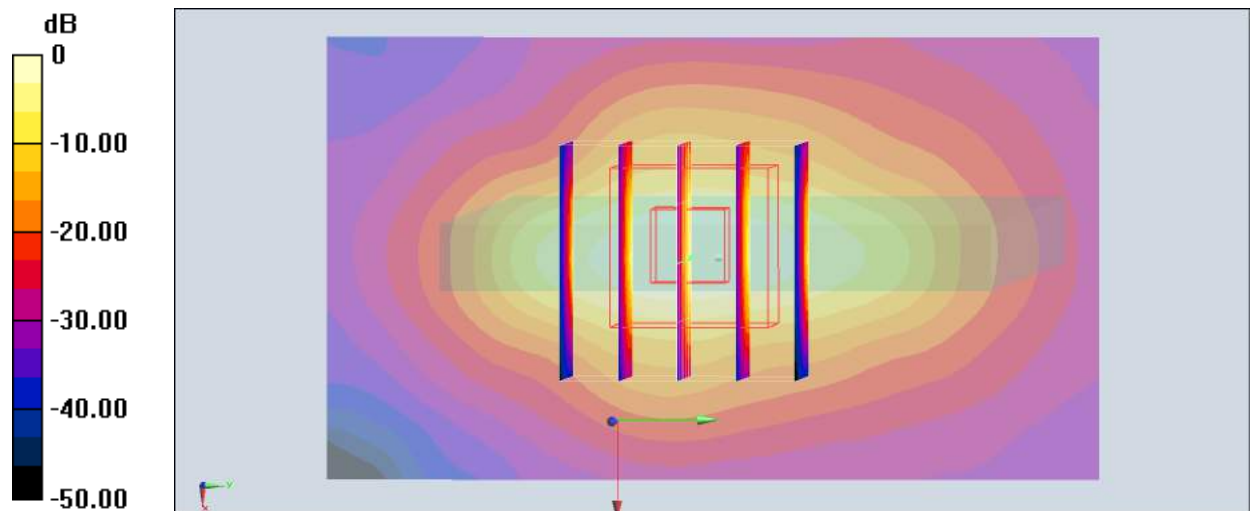
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.34 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 15.9 W/kg

**SAR(1 g) = 6.64 W/kg; SAR(10 g) = 2.64 W/kg**

Maximum value of SAR (measured) = 10.4 W/kg



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

**#58\_LTE Band 5\_10M\_QPSK\_1\_49\_Back\_0mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

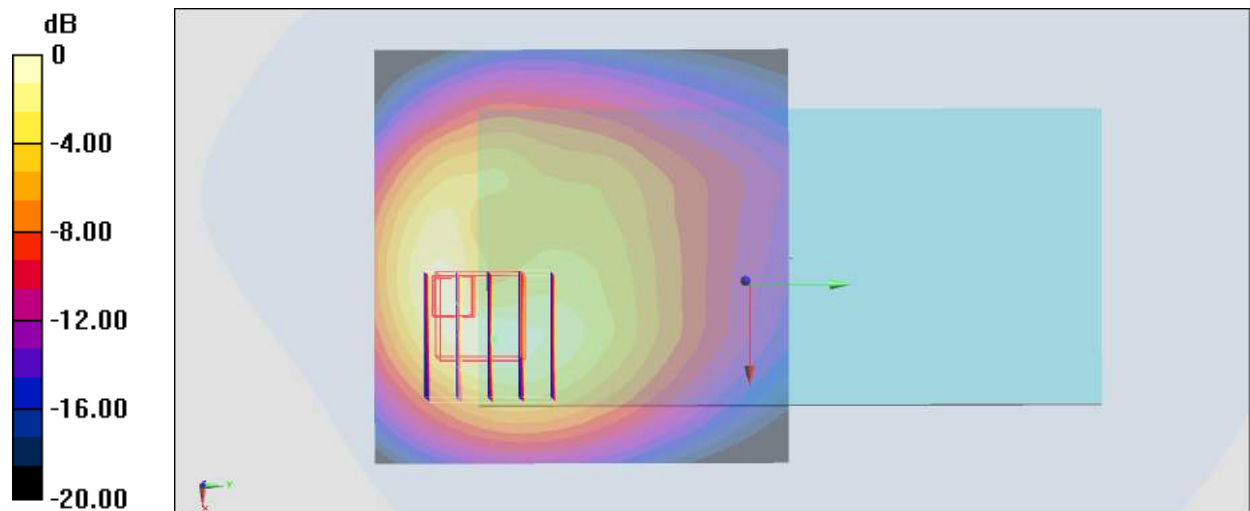
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 32.85 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.656 W/kg**

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



0 dB = 1.56 W/kg = 1.93 dBW/kg

**#59\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch21100**

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_190413 Medium parameters used :  $f = 2535$  MHz;  $\sigma = 2.087$  S/m;  $\epsilon_r = 53.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.47, 7.47, 7.47) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 2.31 W/kg

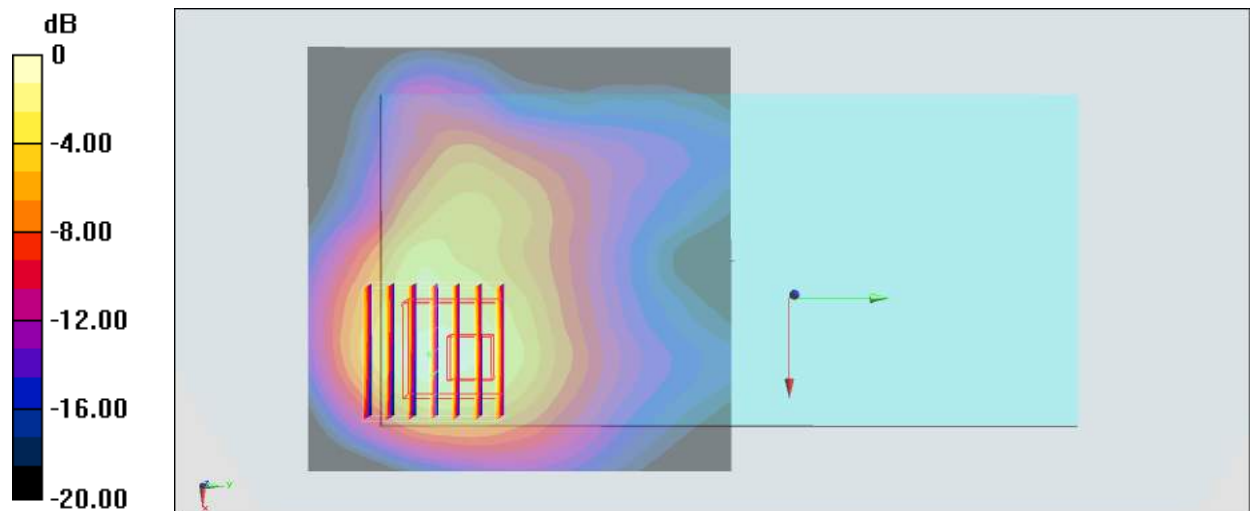
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.130 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.99 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.600 W/kg**

Maximum value of SAR (measured) = 2.13 W/kg



**#60\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch23095**

Communication System: LTE ; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 55.606$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.986 W/kg

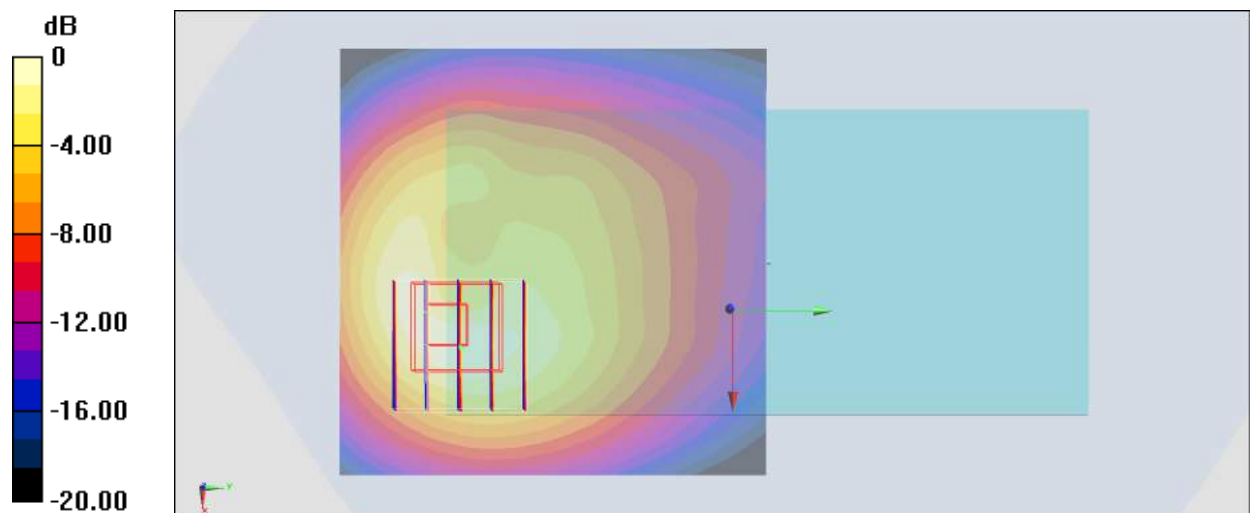
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.27 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.428 W/kg**

Maximum value of SAR (measured) = 0.966 W/kg



0 dB = 0.986 W/kg = -0.06 dBW/kg

**#61\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch23230**

Communication System: LTE ; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.30 W/kg

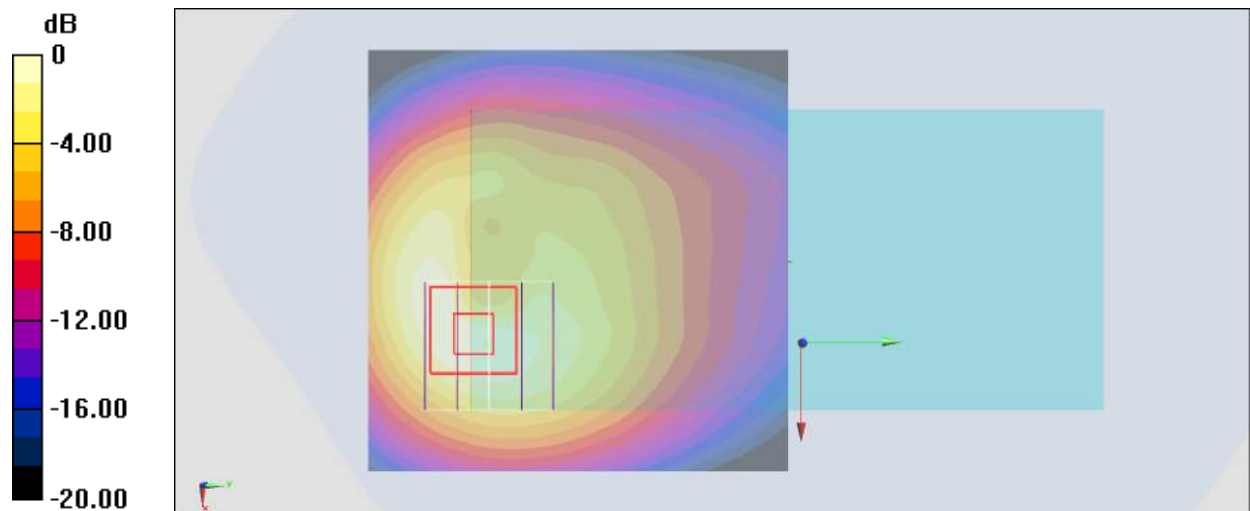
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.84 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.575 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

**#62\_LTE Band 66\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch132072**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190412 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.488$  S/m;  $\epsilon_r = 53.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

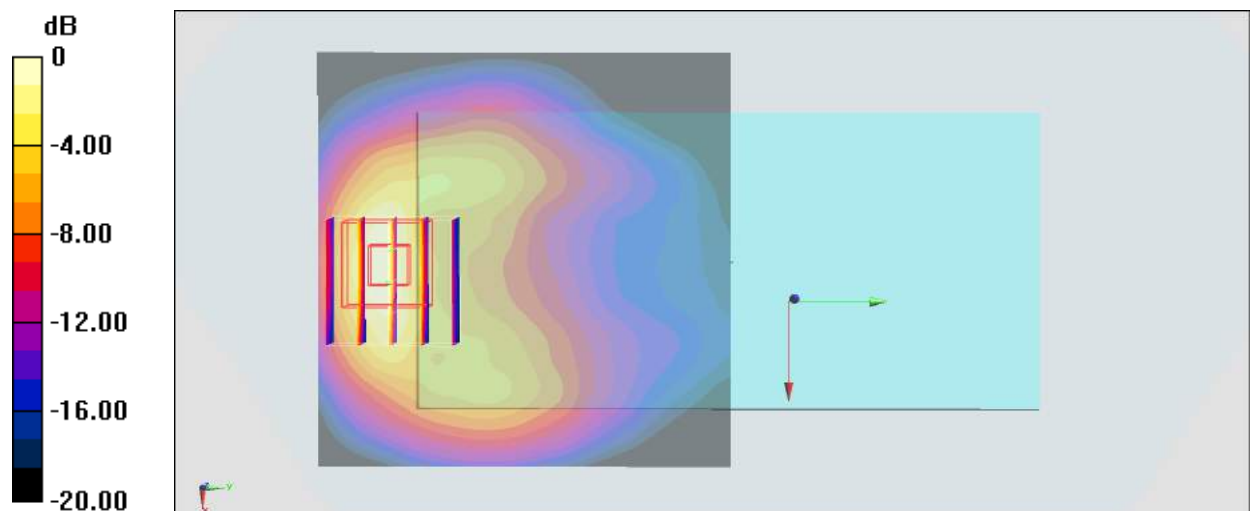
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.12 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.59 W/kg; SAR(10 g) = 0.827 W/kg**

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.77 W/kg = 2.48 dBW/kg

**#63\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch56**

Communication System: 802.11a; Frequency: 5280 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.419$  S/m;  $\epsilon_r = 46.834$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.02 W/kg

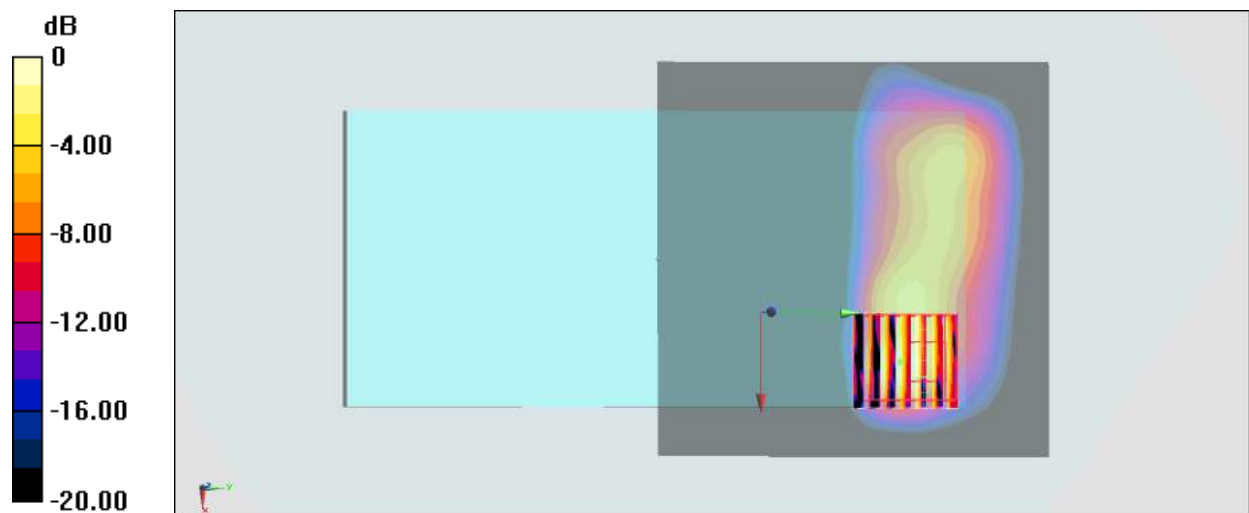
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 13.88 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.56 W/kg

**SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

**#64\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch140**

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5G\_190413 Medium parameters used :  $f = 5700$  MHz;  $\sigma = 5.968$  S/m;  $\epsilon_r = 46.135$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.11, 4.11, 4.11) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 3.25 W/kg

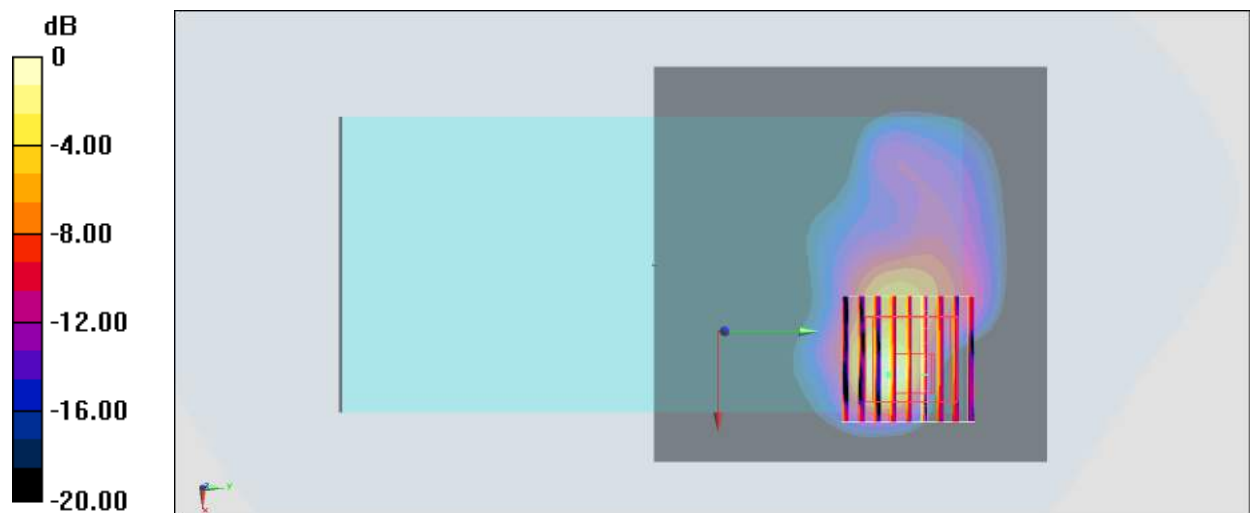
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 21.10 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.57 W/kg

**SAR(1 g) = 1.67 W/kg; SAR(10 g) = 0.430 W/kg**

Maximum value of SAR (measured) = 4.11 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

**#65\_LTE Band 2\_MOD\_20M\_QPSK\_1\_0\_Right Cheek\_Ch18700**

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

Medium: HSL\_1900\_190410 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.417$  S/m;  $\epsilon_r = 38.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan 2 (81x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.230 W/kg

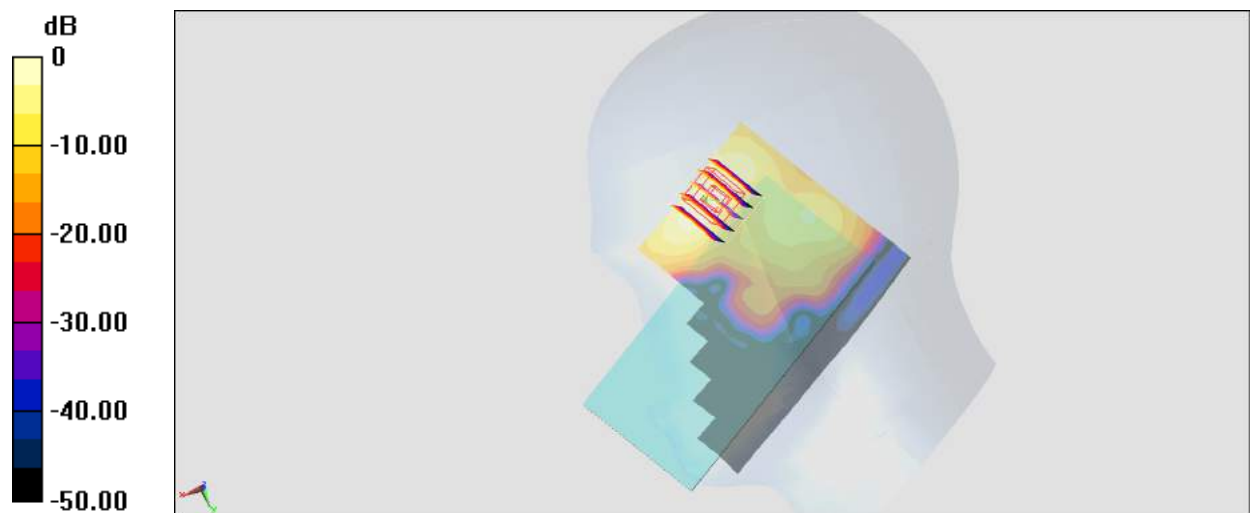
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.714 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.086 W/kg**

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



0 dB = 0.230 W/kg = -6.38 dBW/kg

**#66\_LTE Band 5\_MOD\_10M\_QPSK\_1\_0\_Right Cheek\_Ch20525**

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

Medium: HSL\_850\_190410 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.117$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

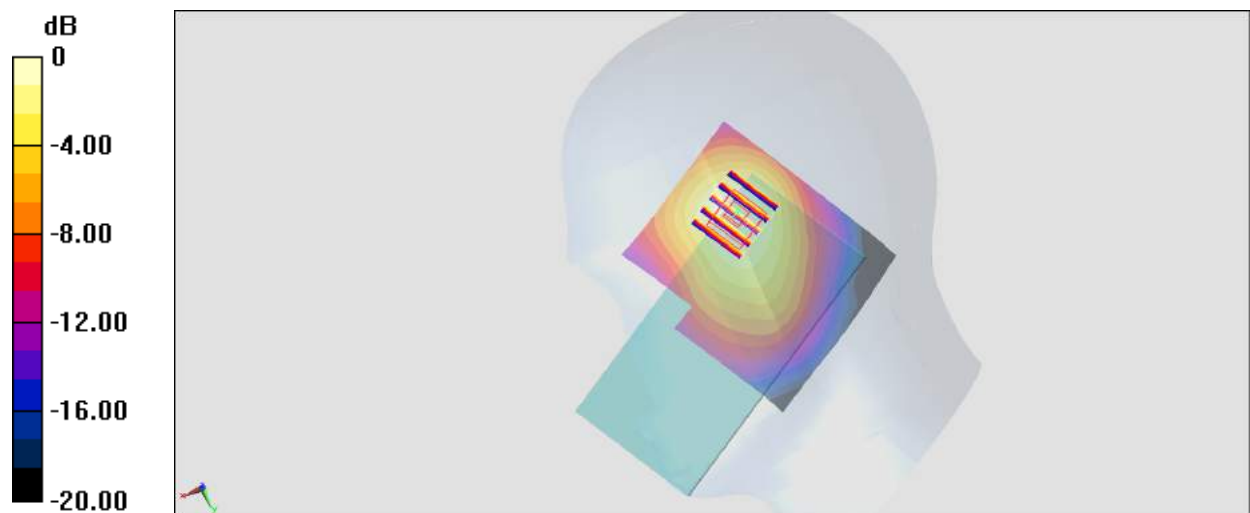
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.89 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.111 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



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

**#67\_LTE Band 13\_MOD\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_190410 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 42.659$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 14.69 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.222 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.103 W/kg**

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



0 dB = 0.176 W/kg = -7.54 dBW/kg

**#68\_LTE Band 66\_MOD\_20M\_QPSK\_1\_0\_Right Cheek\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190410 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.362$  S/m;  $\epsilon_r = 41.25$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.48, 5.48, 5.48) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.140 W/kg

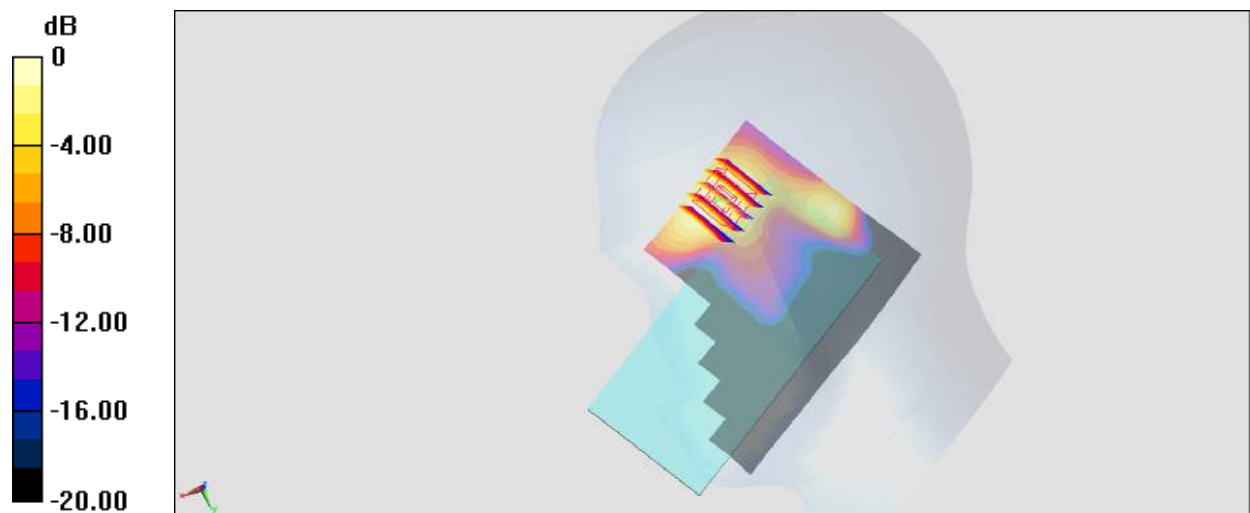
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.531 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.194 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.139 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

**#69\_LTE Band 48\_MOD\_20M\_QPSK\_1\_0\_Right Tilted\_Ch56640**

Communication System: LTE; Frequency: 3690 MHz; Duty Cycle: 1:1.59

Medium: HSL\_3700\_190413 Medium parameters used :  $f = 3690$  MHz;  $\sigma = 3.117$  S/m;  $\epsilon_r = 38.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(7.09, 7.09, 7.09) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

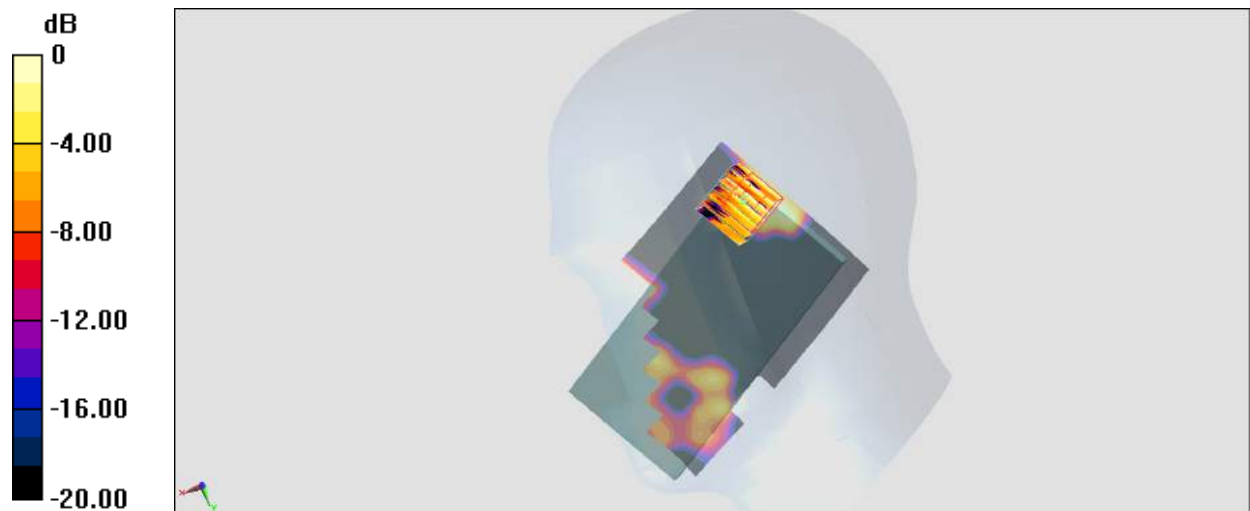
**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.283 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0870 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0674 W/kg



0 dB = 0.104 W/kg = -9.83 dBW/kg

**#70\_LTE Band 2\_MOD\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch18900**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

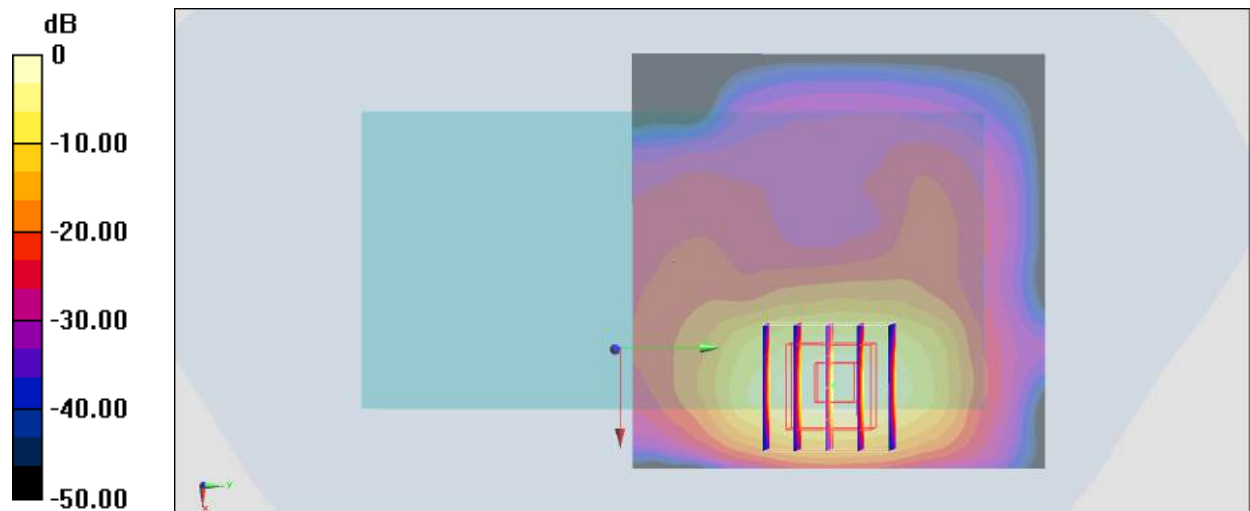
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.53 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.92 W/kg

**SAR(1 g) = 1.30 W/kg; SAR(10 g) = 0.619 W/kg**

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg

**#71\_LTE Band 5\_MOD\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

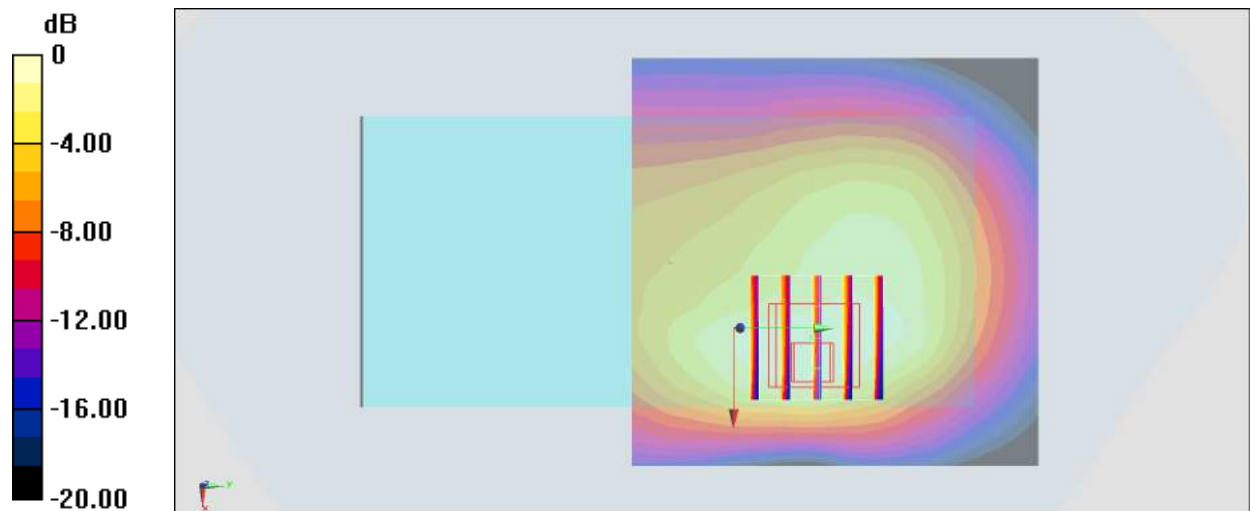
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.68 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.502 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



**#72\_LTE Band 13\_MOD\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.25 W/kg

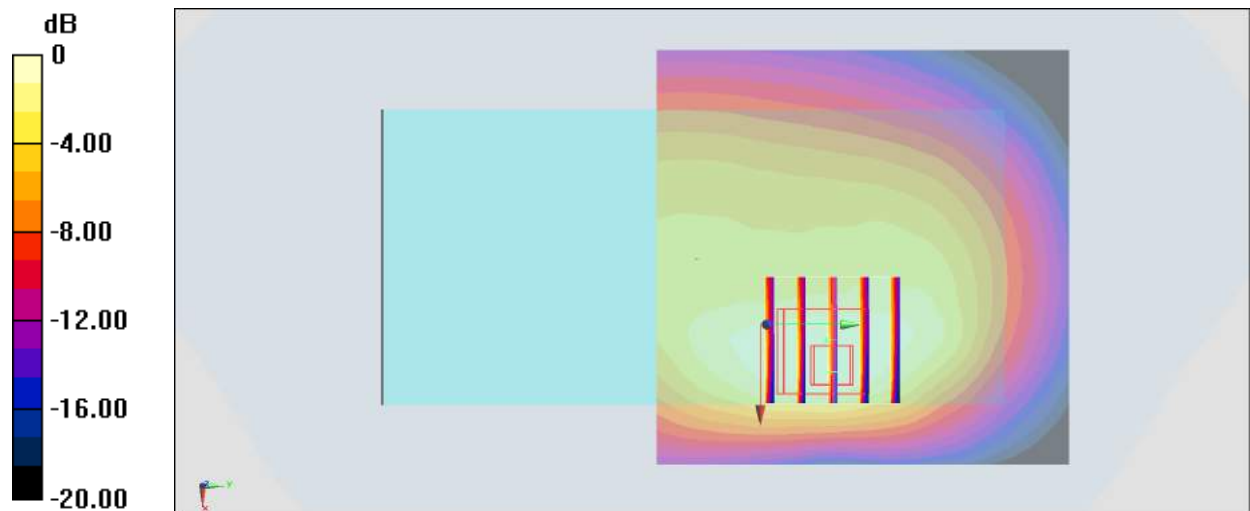
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.19 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.701 W/kg**

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



**#73\_LTE Band 66\_MOD\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190412 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.368$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

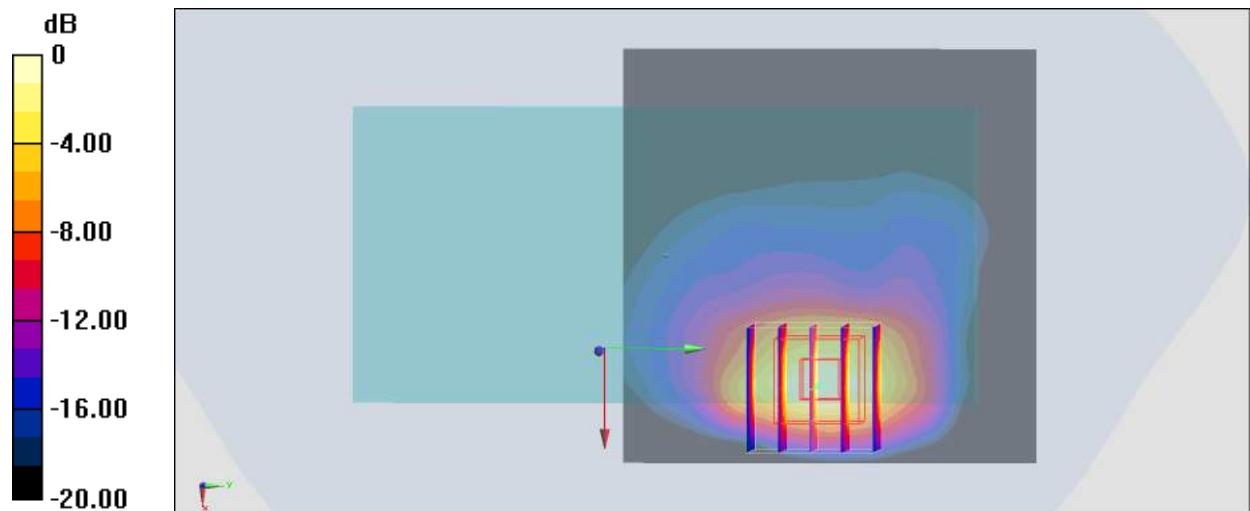
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.443 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



**#74\_LTE Band 48\_MOD\_20M\_QPSK\_1\_99\_Back\_5mm\_Ch55340**

Communication System: LTE; Frequency: 3560 MHz; Duty Cycle: 1:1.59

Medium: MSL\_3700\_190413 Medium parameters used:  $f = 3560$  MHz;  $\sigma = 3.388$  S/m;  $\epsilon_r = 49.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(7.32, 7.32, 7.32) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 2.18 W/kg

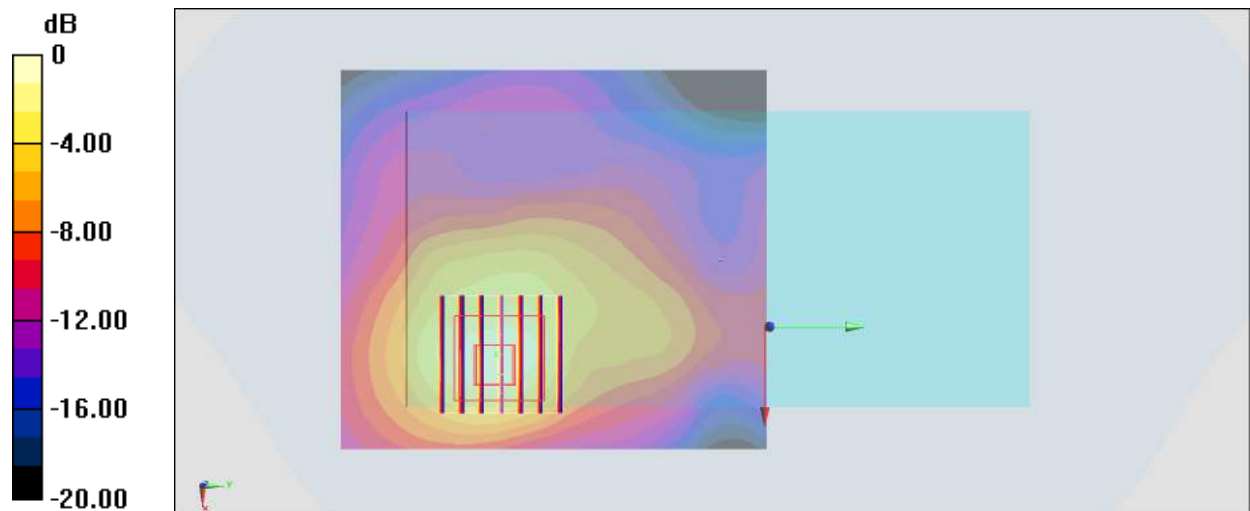
**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 6.041 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.328 W/kg**

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



0 dB = 2.18 W/kg = 3.38 dBW/kg

**#75\_LTE Band 2\_MOD\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch18900**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

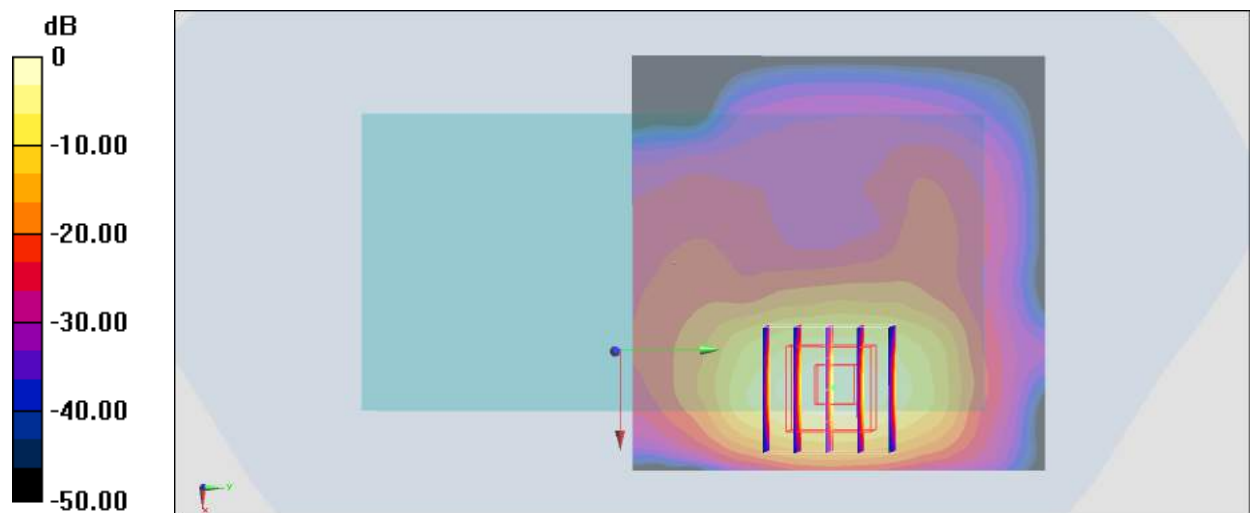
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.53 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.92 W/kg

**SAR(1 g) = 1.30 W/kg; SAR(10 g) = 0.619 W/kg**

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg

**#76\_LTE Band 5\_MOD\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

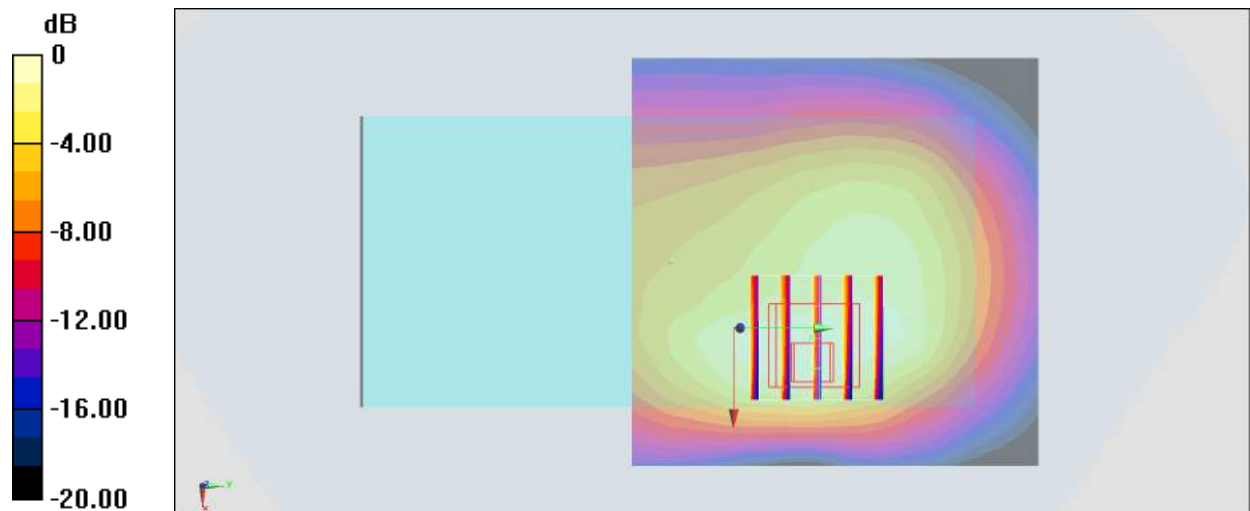
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.68 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.502 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

**#77\_LTE Band 13\_MOD\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.25 W/kg

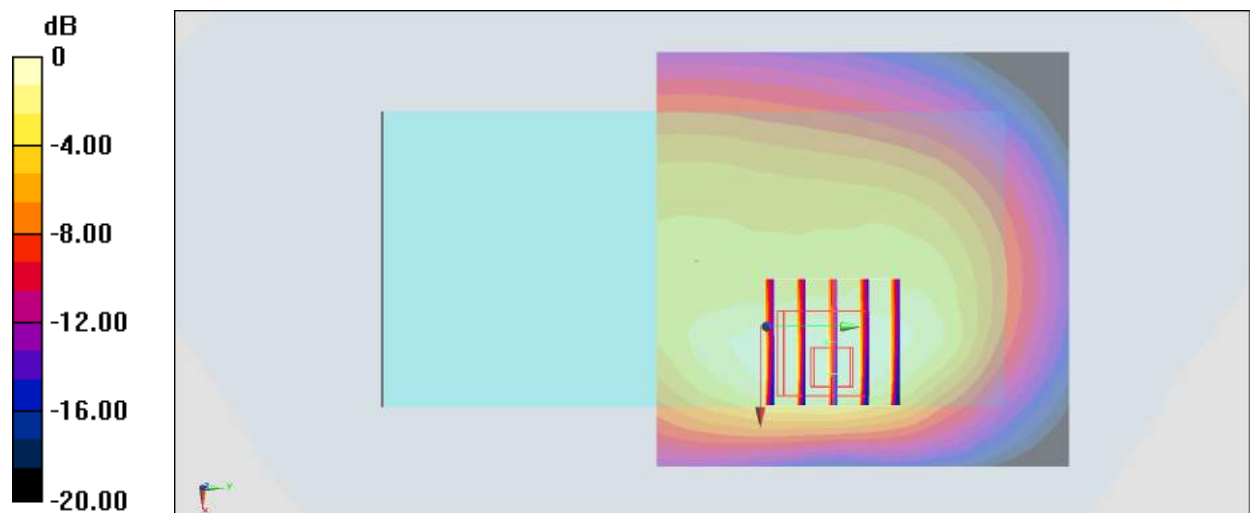
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.19 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.701 W/kg**

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



**#78\_LTE Band 66\_MOD\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190412 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.368$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

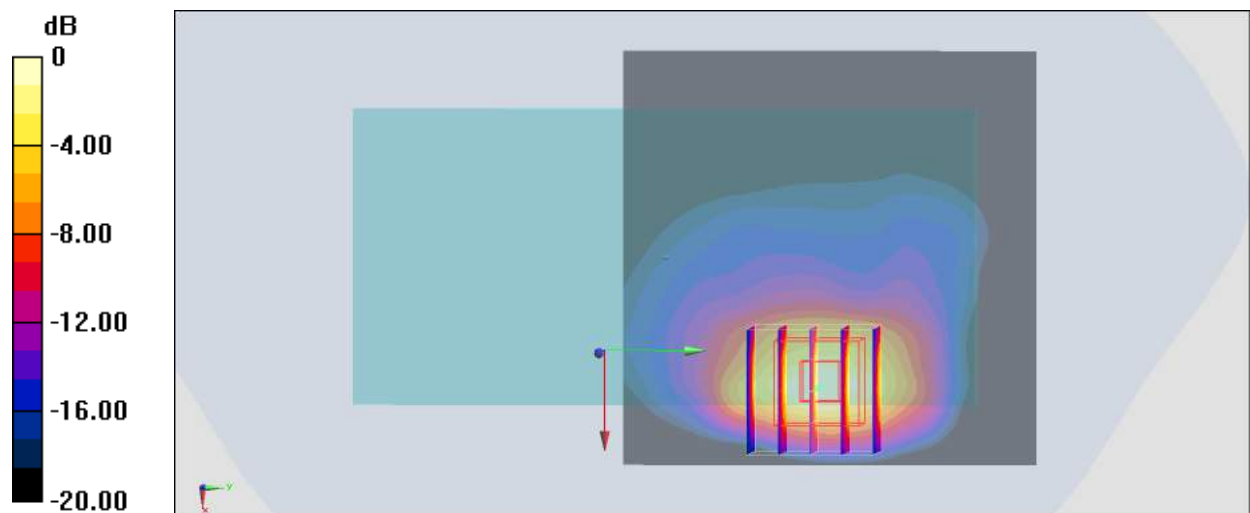
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.443 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



**#79\_LTE Band 48\_MOD\_20M\_QPSK\_1\_99\_Back\_5mm\_Ch55340**

Communication System: LTE; Frequency: 3560 MHz; Duty Cycle: 1:1.59

Medium: MSL\_3700\_190413 Medium parameters used:  $f = 3560$  MHz;  $\sigma = 3.388$  S/m;  $\epsilon_r = 49.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(7.32, 7.32, 7.32) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 2.18 W/kg

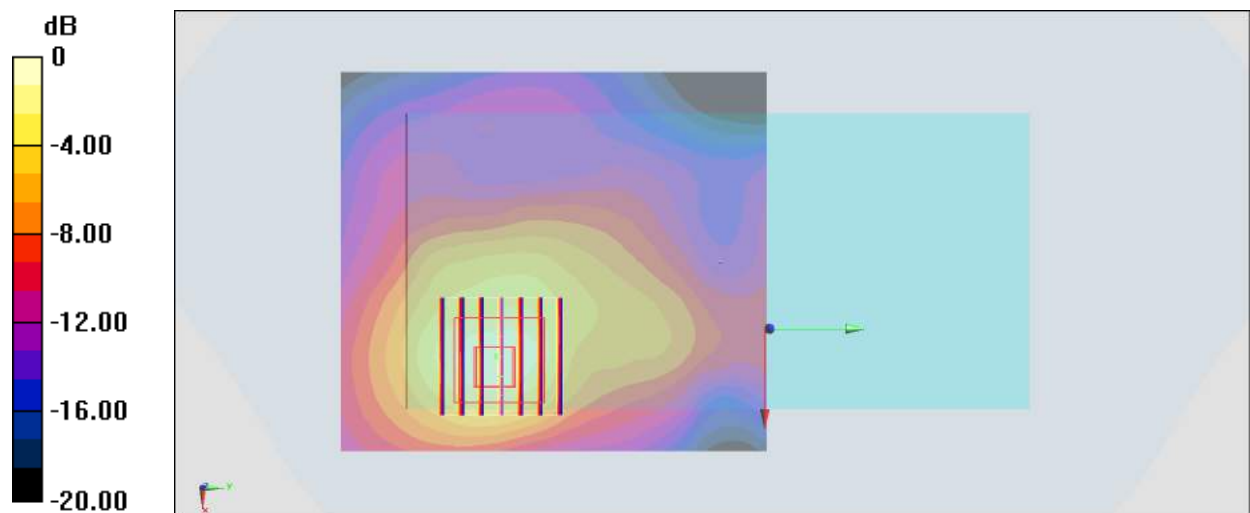
**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 6.041 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.328 W/kg**

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



0 dB = 2.18 W/kg = 3.38 dBW/kg

**#80\_LTE Band 2\_MOD\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch18700**

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

Medium: MSL\_1900\_190412 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 53.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM\_RIGHT; Type: QD000P40CB; Serial: 1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.00 W/kg

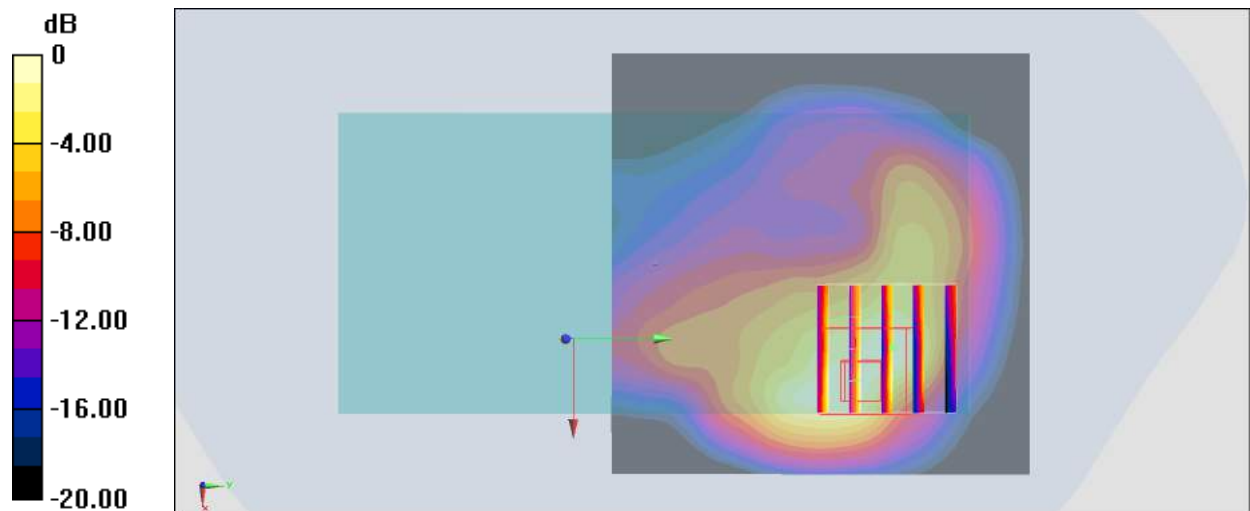
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.50 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.82 W/kg

**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.383 W/kg**

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



0 dB = 1.00 W/kg = 0.00 dBW/kg

**#81\_LTE Band 5\_MOD\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch20525**

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

Medium: MSL\_850\_190411 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 54.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

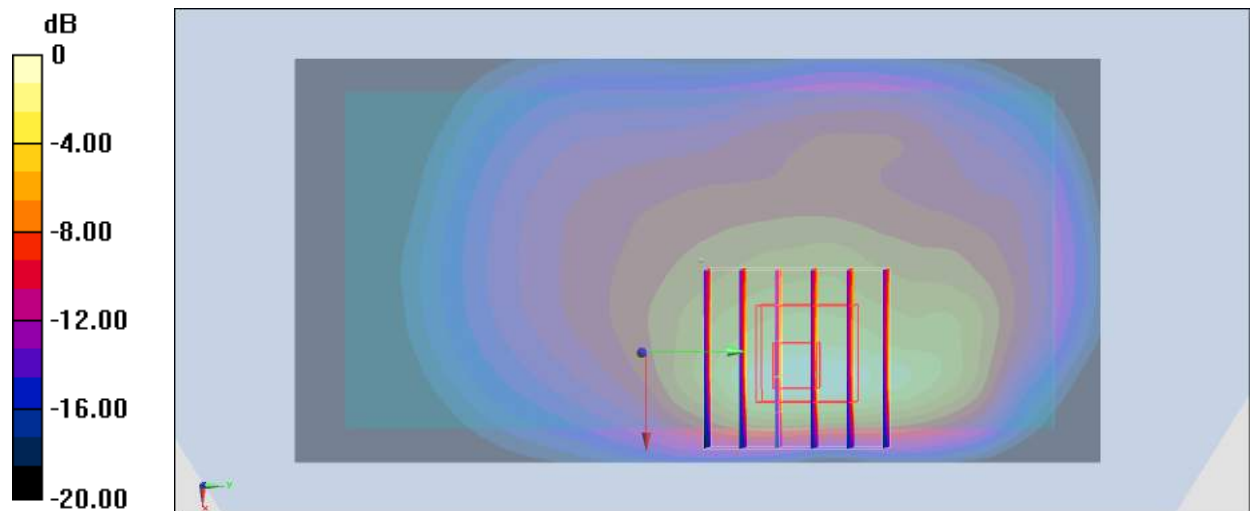
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.34 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.46 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.565 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.47 W/kg = 1.67 dBW/kg

**#82\_LTE Band 13\_MOD\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190411 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.99 \text{ S/m}$ ;  $\epsilon_r = 54.769$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2^\circ\text{C}$  ; Liquid Temperature :  $22.2^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(6.3, 6.3, 6.3) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.42 \text{ W/kg}$

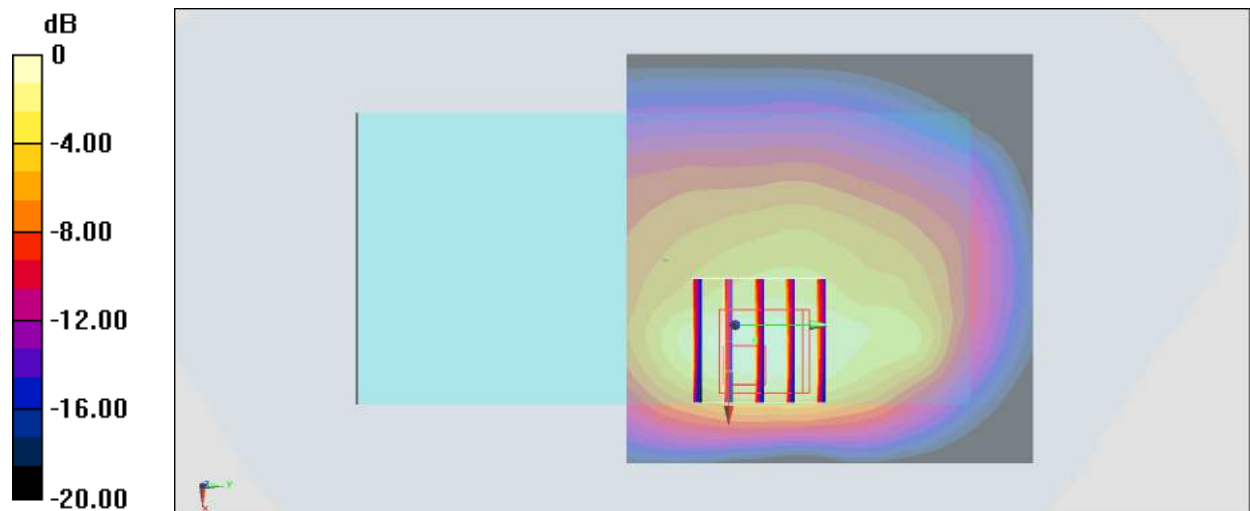
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $27.68 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$

Peak SAR (extrapolated) =  $5.03 \text{ W/kg}$

**SAR(1 g) =  $1.58 \text{ W/kg}$ ; SAR(10 g) =  $0.765 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.24 \text{ W/kg}$



**#83\_LTE Band 66\_MOD\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190417 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.483$  S/m;  $\epsilon_r = 54.664$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.4, 8.4, 8.4) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.924 W/kg

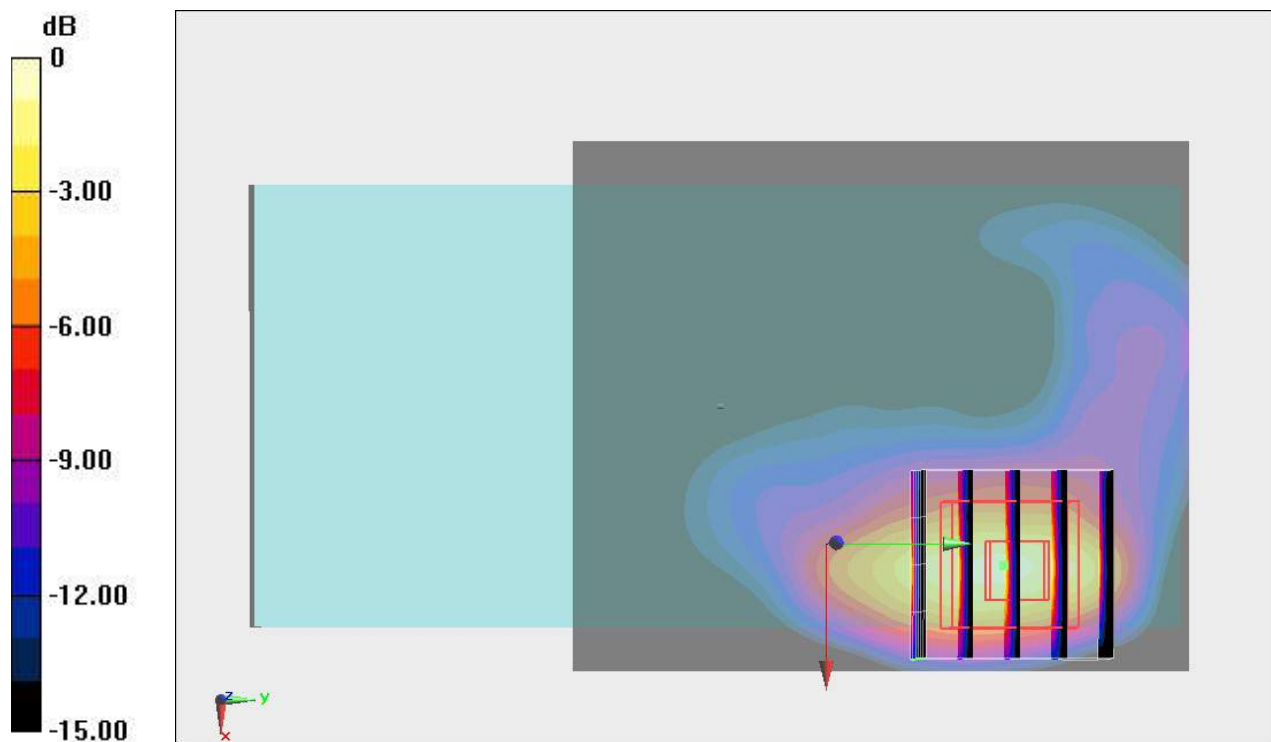
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.791 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.975 W/kg

**SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.206 W/kg**

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



0 dB = 0.781 W/kg = -1.07 dBW/kg

**#84\_LTE Band 48\_MOD\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch56640**

Communication System: LTE; Frequency: 3690 MHz; Duty Cycle: 1:1.59

Medium: MSL\_3700\_190413 Medium parameters used :  $f = 3690$  MHz;  $\sigma = 3.512$  S/m;  $\epsilon_r = 49.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(6.96, 6.96, 6.96) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 5.05 W/kg

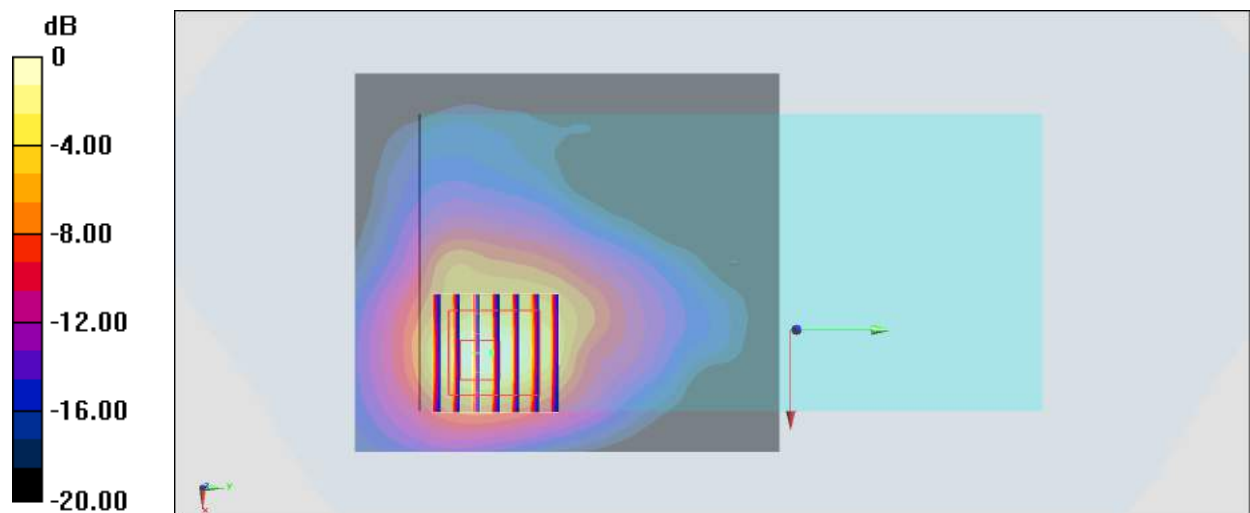
**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 3.385 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 15.0 W/kg

**SAR(1 g) = 3.25 W/kg; SAR(10 g) = 1.08 W/kg**

Maximum value of SAR (measured) = 9.43 W/kg



0 dB = 5.05 W/kg = 7.03 dBW/kg