

#01_GSM850_GPRS (4 Tx slots)_Left Cheek_Ch128

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

Medium: HSL_835_190228 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 42.147$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.07, 10.07, 10.07) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

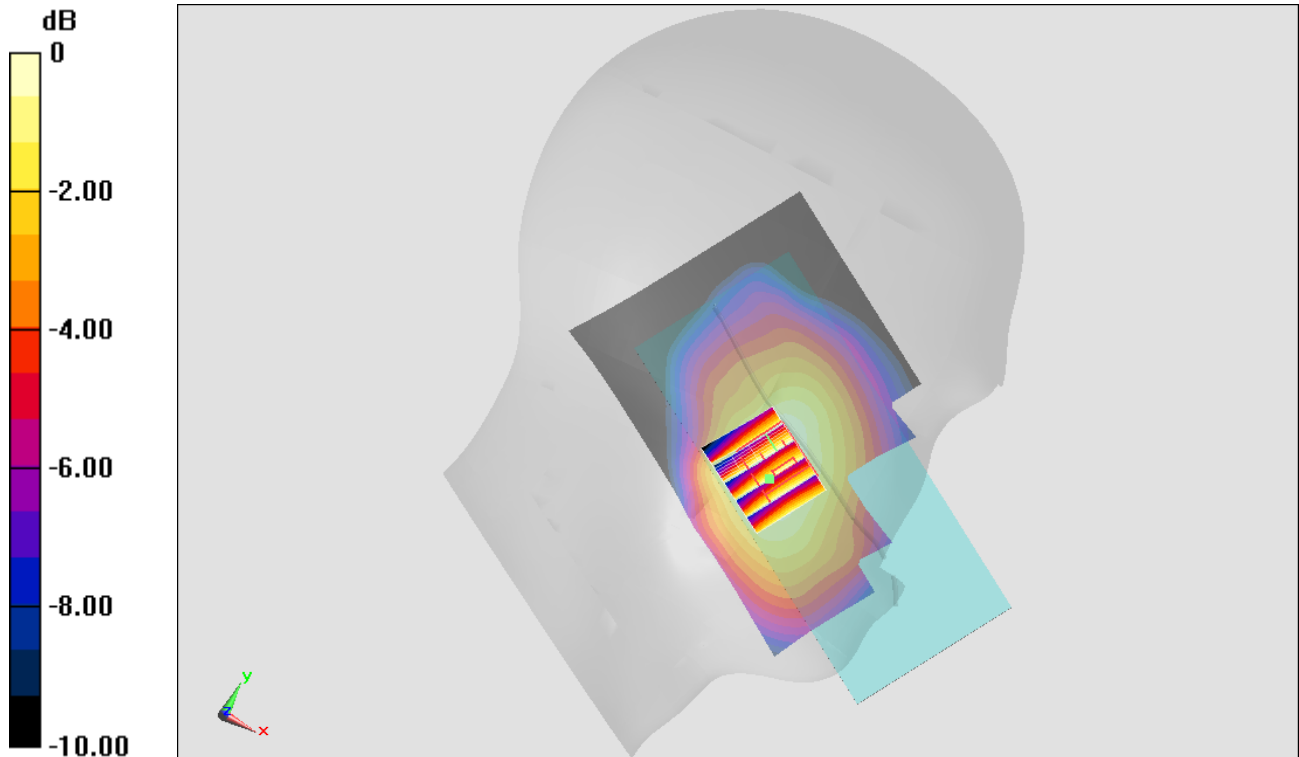
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.80 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.120 W/kg

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



0 dB = 0.192 W/kg = -7.17 dBW/kg

#02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch661

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

Medium: HSL_1900_190227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 40.91$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0169 W/kg

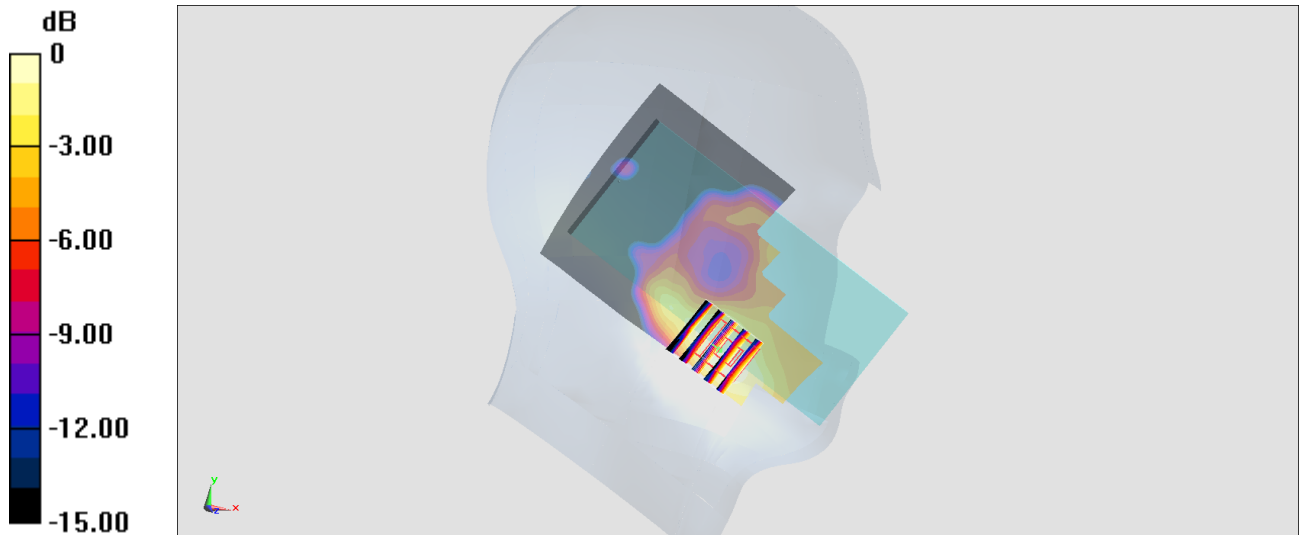
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.934 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0210 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00781 W/kg

Maximum value of SAR (measured) = 0.0156 W/kg



0 dB = 0.0156 W/kg = -18.07 dBW/kg

#03_WCDMA V_RMC 12.2Kbps_Left Cheek_Ch4132

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

Medium: HSL_835_190228 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 42.065$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.07, 10.07, 10.07) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

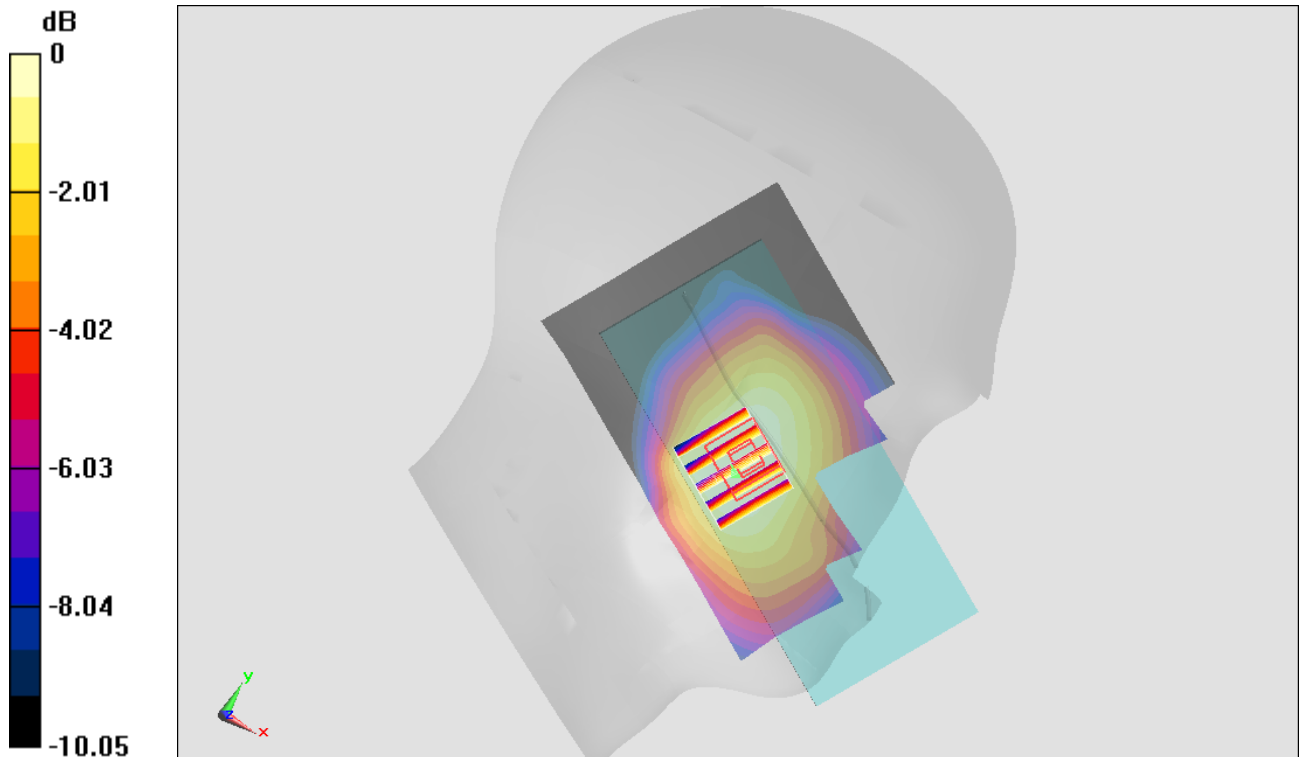
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.31 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.216 W/kg

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



0 dB = 0.327 W/kg = -4.85 dBW/kg

#04_LTE Band 4_20M_QPSK_1_0_Right Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190227 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 41.934$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0392 W/kg

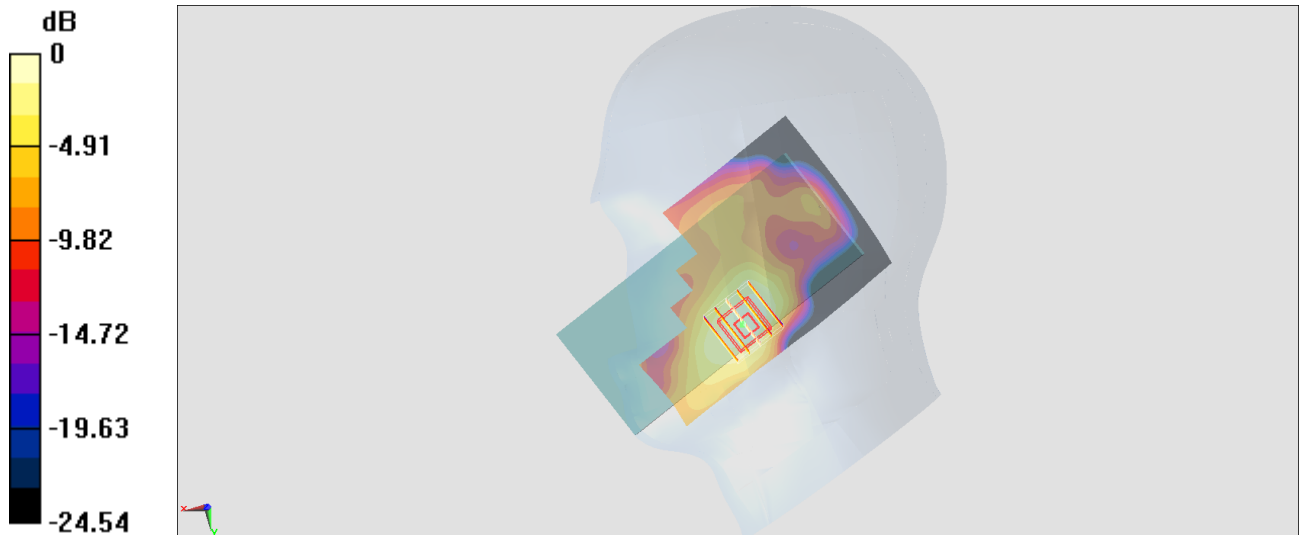
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.266 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0560 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.0416 W/kg



0 dB = 0.0416 W/kg = -13.81 dBW/kg

#05_LTE Band 5_10M_QPSK_1_0_Left Cheek_Ch20525

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

Medium: HSL_850_190228 Medium parameters used : $f = 836.5$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 41.95$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.07, 10.07, 10.07) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.362 W/kg

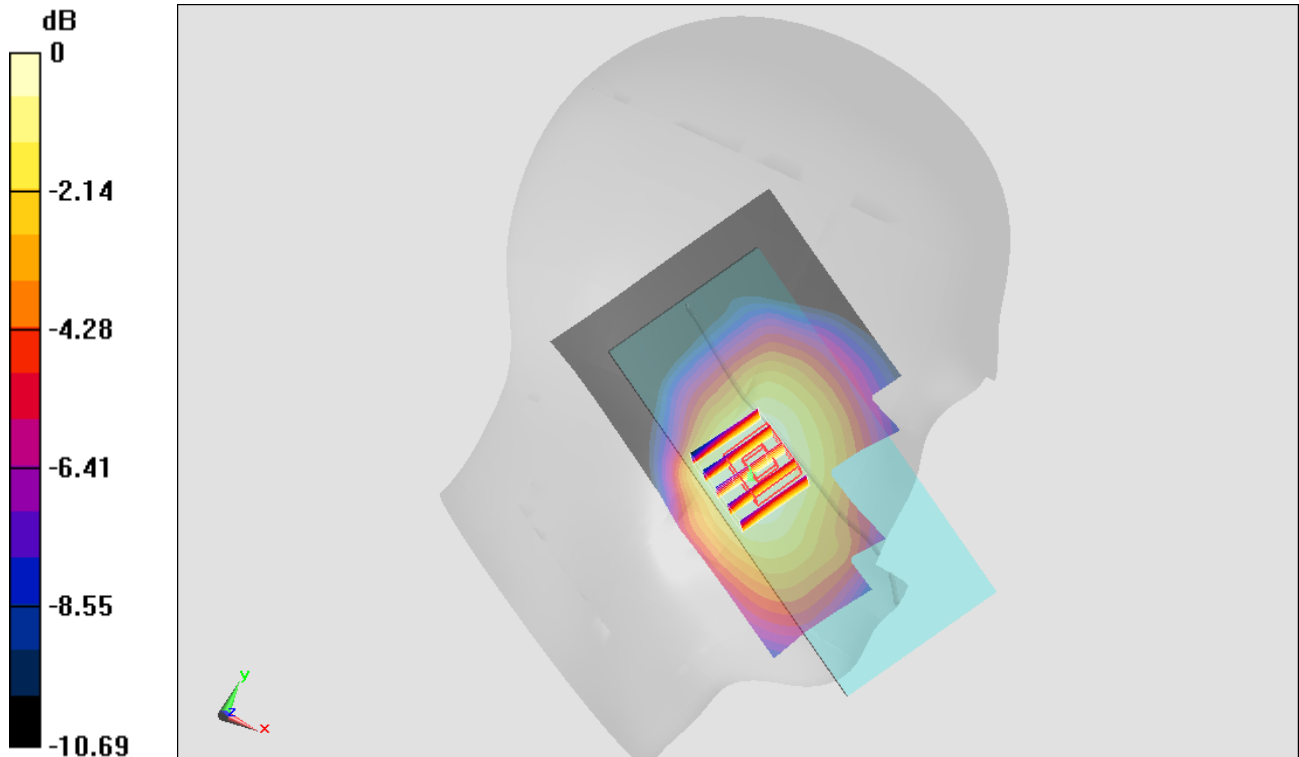
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

#06_LTE Band 7_20M_QPSK_1_99_Right Cheek_Ch20850

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

Medium: HSL_2600_190303 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.875$ S/m; $\epsilon_r = 39.389$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3976;ConvF(7.54, 7.54, 7.54) ;Calibrated: 2019/1/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0462 W/kg

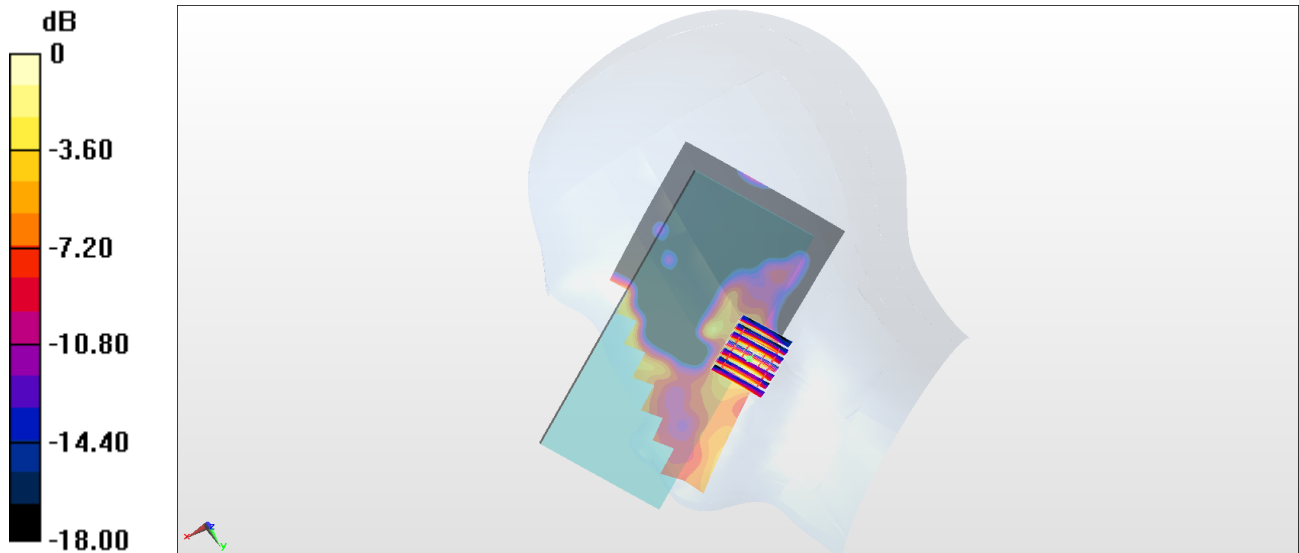
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.636 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0750 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0591 W/kg



0 dB = 0.0591 W/kg = -12.28 dBW/kg

#07_LTE Band 12_10M_QPSK_1_49_Left Cheek_Ch23095

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

Medium: HSL_750_190227 Medium parameters used : $f = 707.5$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 43.527$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °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:1477
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

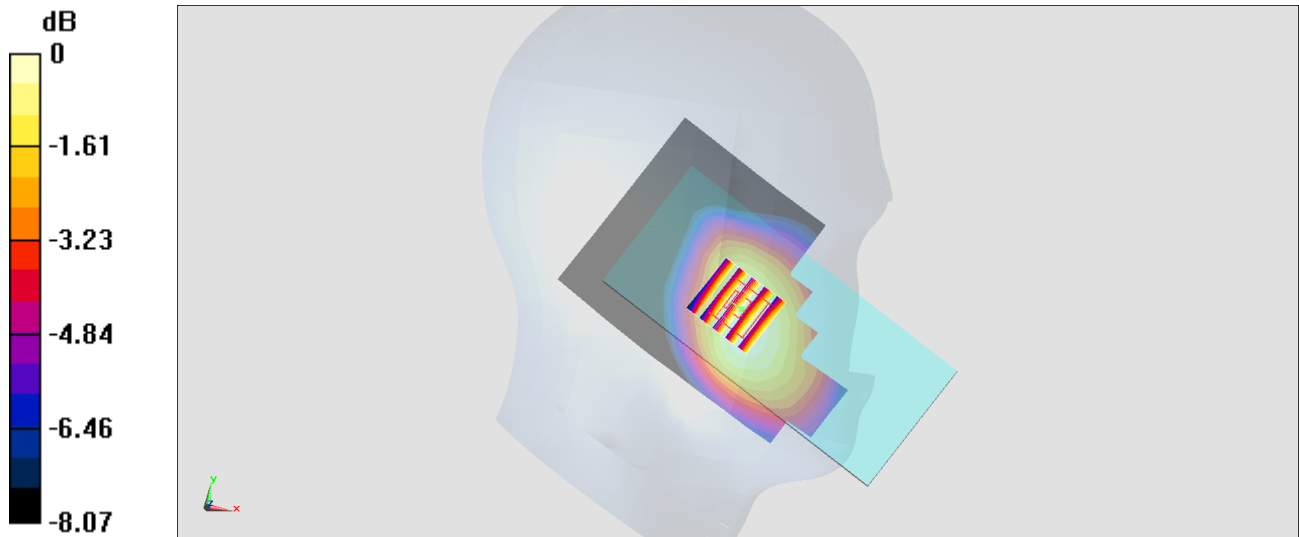
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.46 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

#08_LTE Band 13_10M_QPSK_1_0_Left Cheek_Ch23230

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

Medium: HSL_750_190227 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 42.562$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4°C ; Liquid Temperature : 22.4°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:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

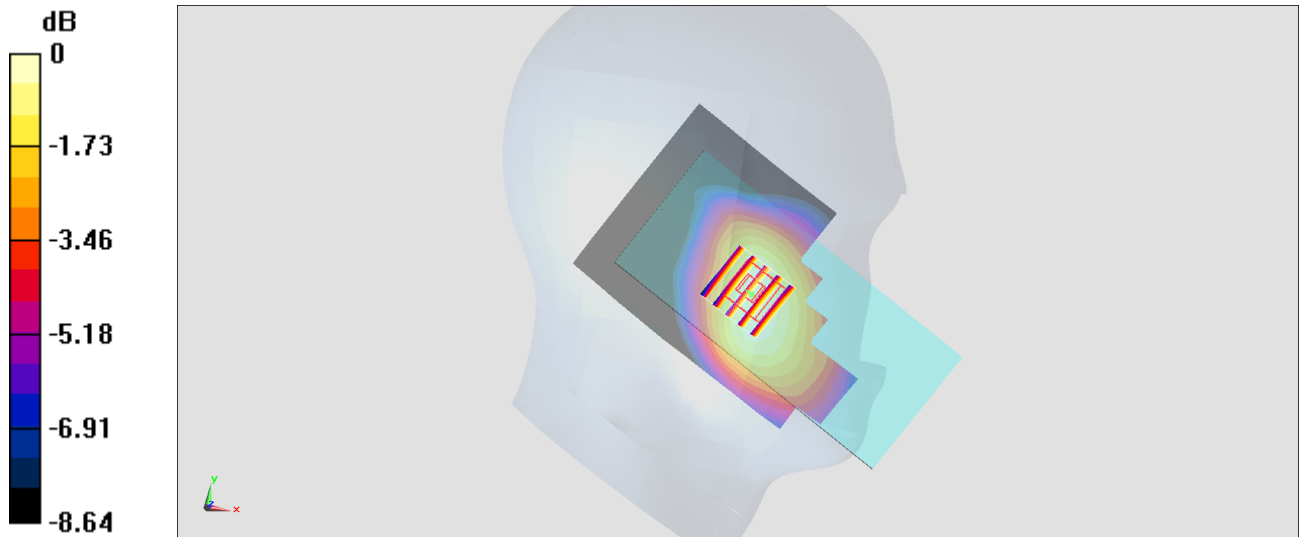
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.67 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.231 W/kg ; SAR(10 g) = 0.179 W/kg

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



0 dB = 0.251 W/kg = -6.00 dBW/kg

#09_LTE Band 41_20M_QPSK_1_99_Left Cheek_Ch40620

Communication System: LTE-TDD ; Frequency: 2593 MHz;Duty Cycle: 1:1.59

Medium: HSL_2600_190303 Medium parameters used : $f = 2593$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 39.051$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3976;ConvF(7.54, 7.54, 7.54) ;Calibrated: 2019/1/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0304 W/kg

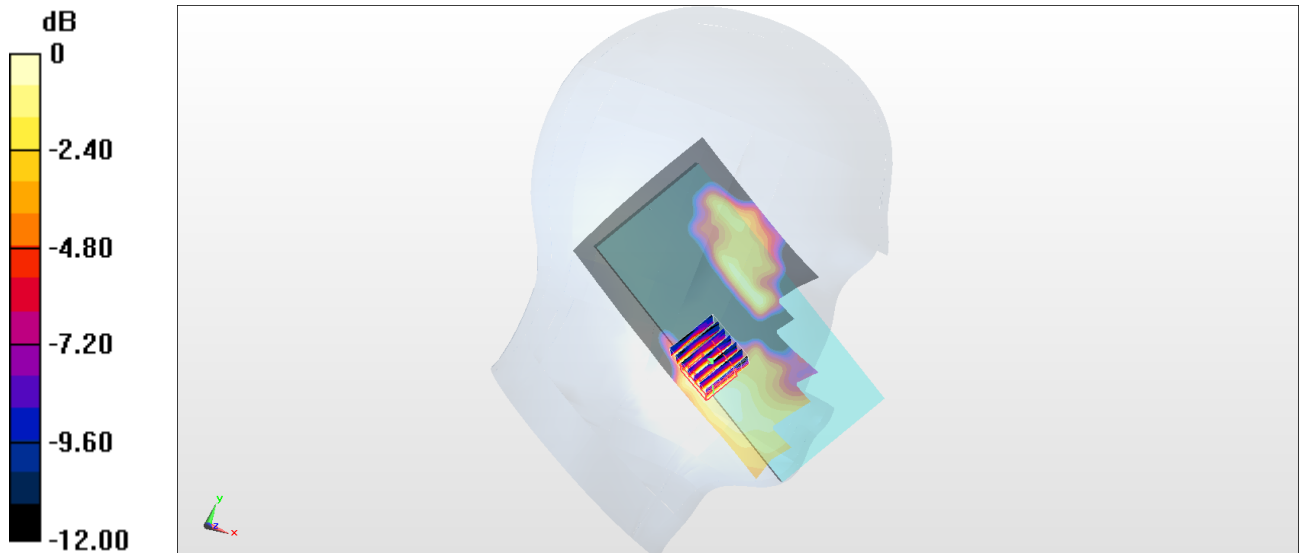
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.340 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0300 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00959 W/kg

Maximum value of SAR (measured) = 0.0244 W/kg



0 dB = 0.0244 W/kg = -16.13 dBW/kg

#10_WLAN2.4GHz_802.11b 1Mbps_Right Cheek_Ch1;Chain 0

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

Medium: HSL_2450_190308 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.751$ S/m; $\epsilon_r = 39.772$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °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_Right; Type: SAM; Serial: TP:1479
- 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) = 0.530 W/kg

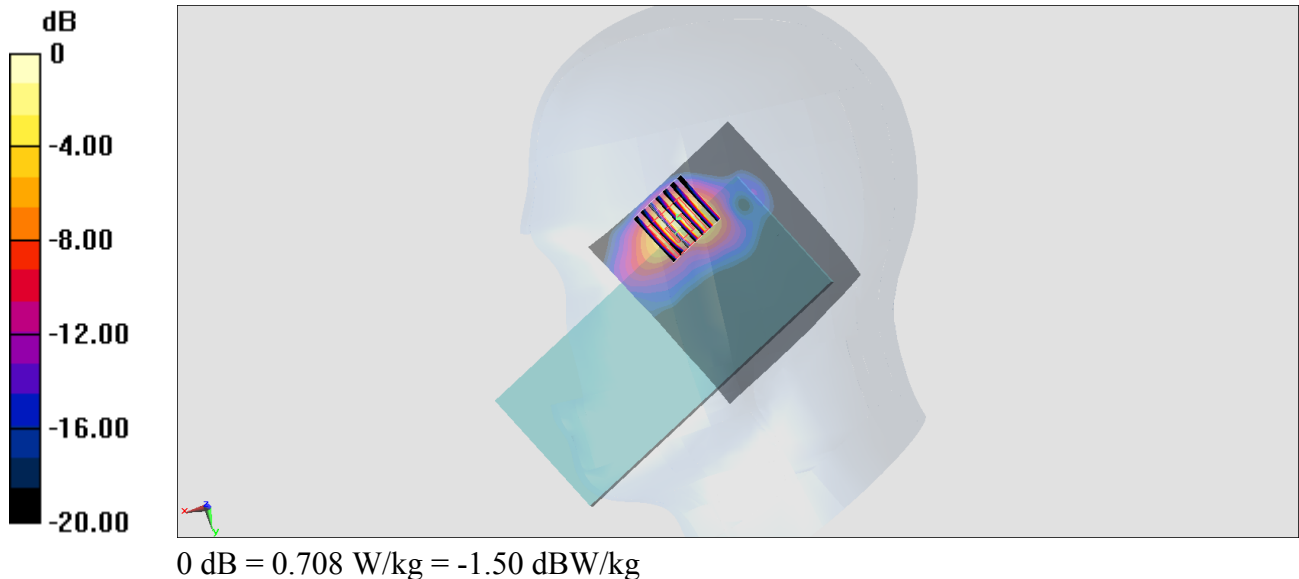
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.744 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.708 W/kg



#11_WLAN5GHz_802.11ac-VHT80 MCS0_Right Cheek_Ch58;Chain 1

Communication System: 802.11ac ; Frequency: 5290 MHz;Duty Cycle: 1:1.045

Medium: HSL_5G_190304 Medium parameters used: $f = 5290$ MHz; $\sigma = 4.662$ S/m; $\epsilon_r = 36.812$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(5.45, 5.45, 5.45) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (101x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

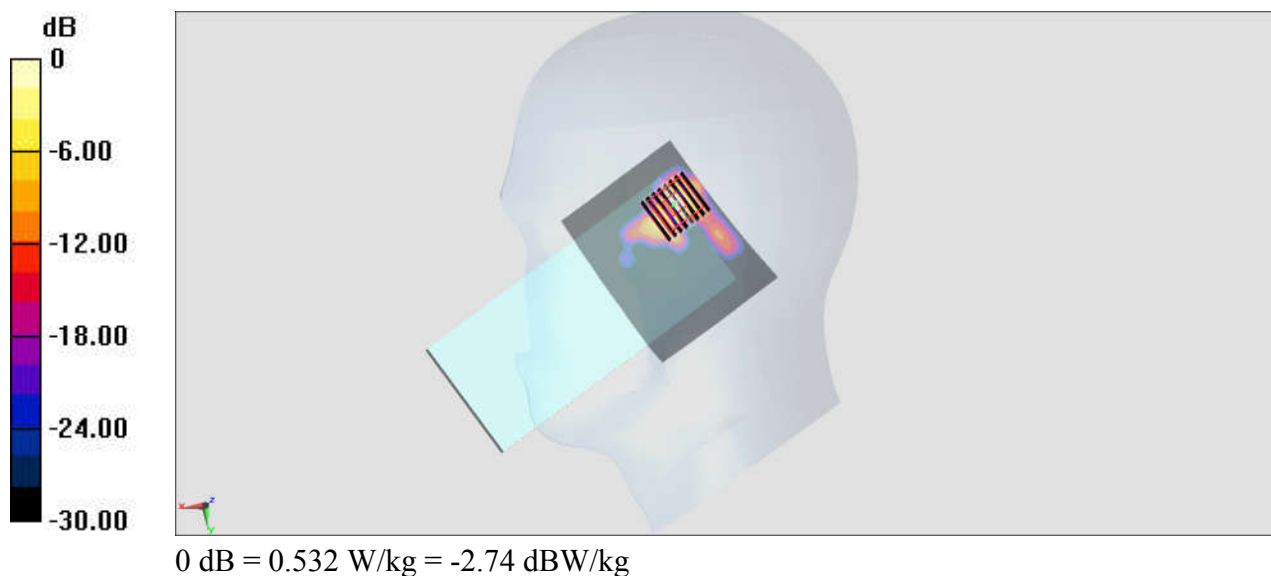
Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 9.937 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.532 W/kg



#12_WLAN5GHz_802.11ac-VHT80 MCS0_Right Cheek_Ch106;Chain 1

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.045

Medium: HSL_5G_190304 Medium parameters used : $f = 5530$ MHz; $\sigma = 4.901$ S/m; $\epsilon_r = 36.481$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.83, 4.83, 4.83) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

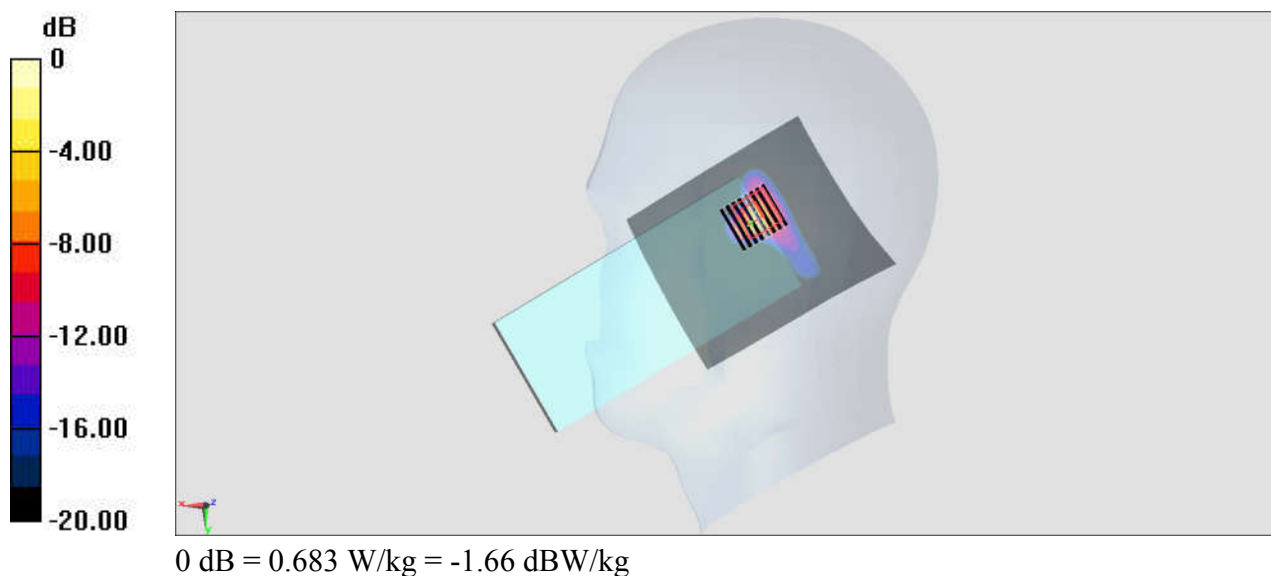
Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.446 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.048 W/kg

Maximum value of SAR (measured) = 0.683 W/kg



#13_WLAN5GHz_802.11ac-VHT80 MCS0_Right Cheek_Ch155;Chain 1

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.045

Medium: HSL_5G_190306 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.124$ S/m; $\epsilon_r = 36.856$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

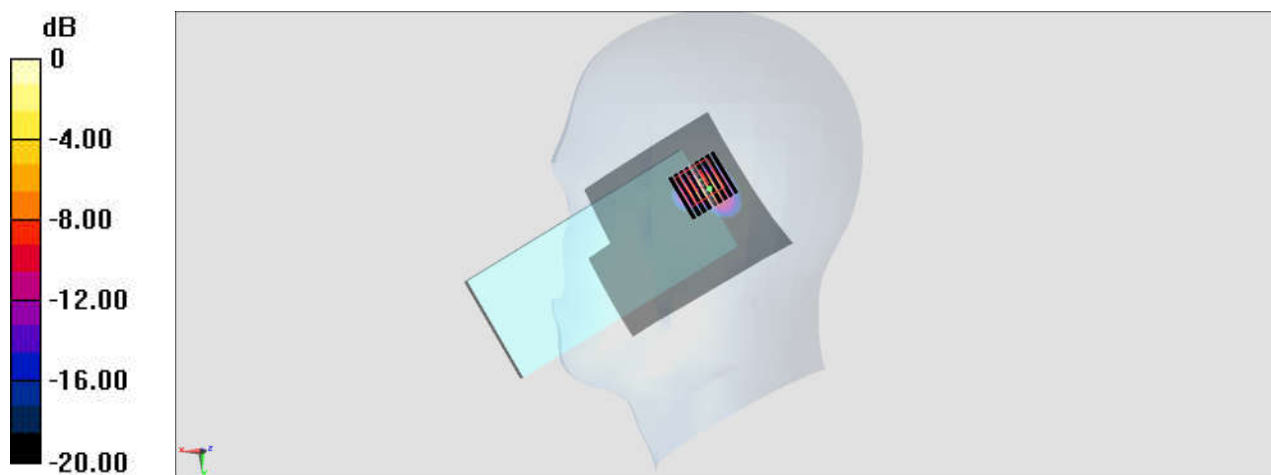
Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 8.821 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.358 W/kg



#14_Bluetooth_1Mbps_Right Cheek_Ch39

Communication System: Bluetooth ; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium: HSL_2450_190308 Medium parameters used : $f = 2441$ MHz; $\sigma = 1.789$ S/m; $\epsilon_r = 39.733$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °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_Right; Type: SAM; Serial: TP:1479
- 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) = 0.186 W/kg

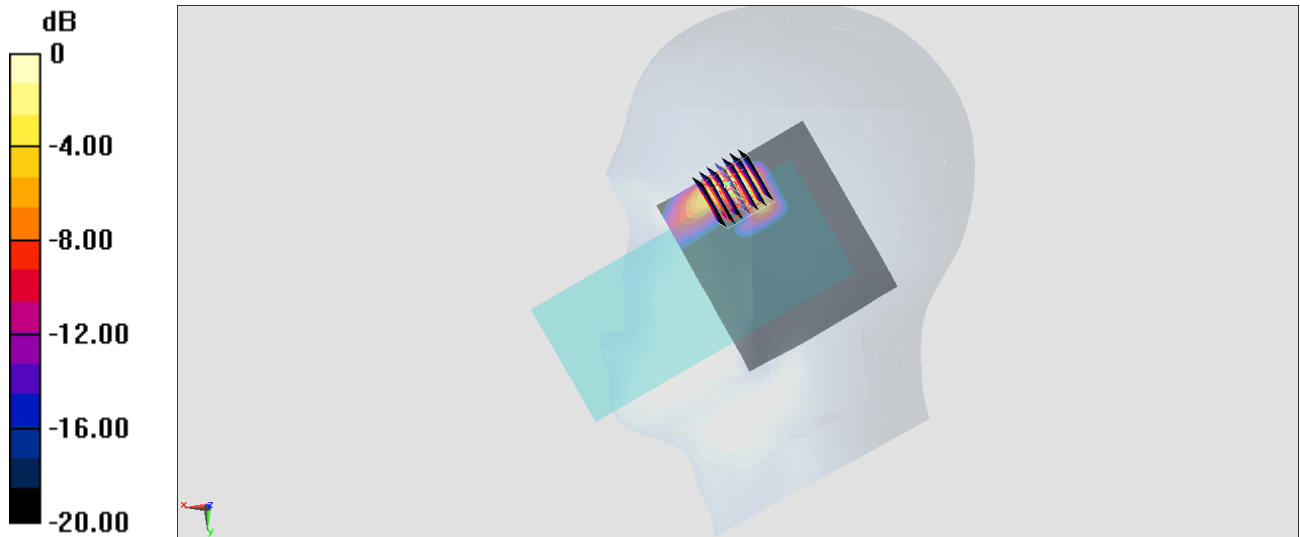
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.233 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.042 W/kg

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



0 dB = 0.165 W/kg = -7.83 dBW/kg

#15_GSM850_GPRS (4 Tx slots)_Left Side_10mm_Ch128

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

Medium: MSL_850_190226 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.942$ S/m; $\epsilon_r = 55.248$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

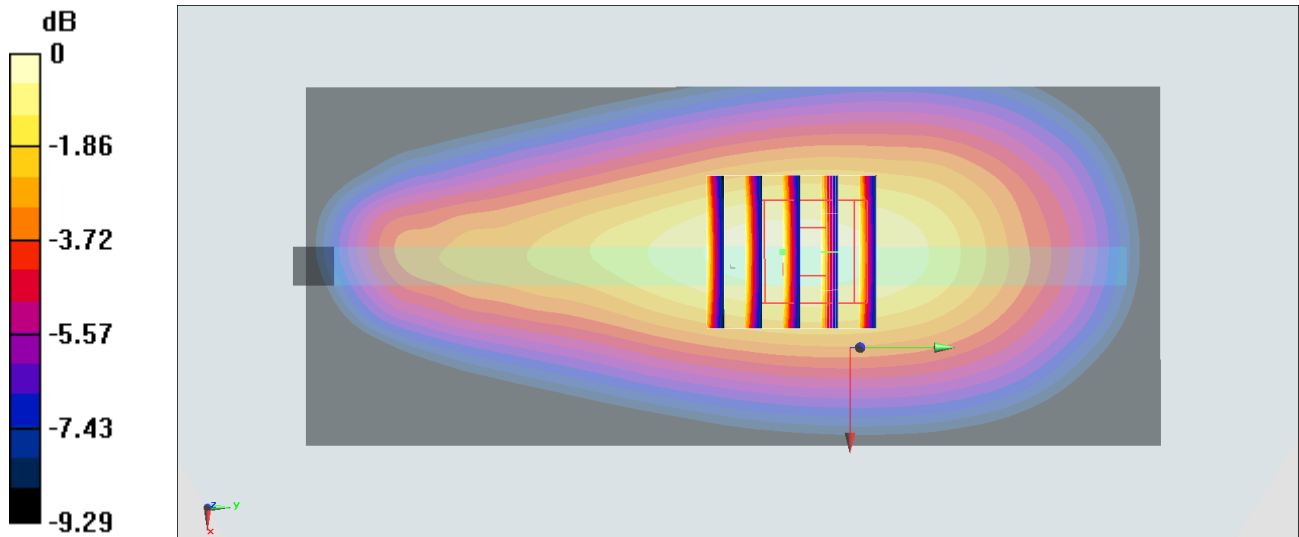
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.00 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.163 W/kg



0 dB = 0.163 W/kg = -7.88 dBW/kg

#16_GSM1900_GPRS (4 Tx slots)_Bottom Side_10mm_Ch512

Communication System: PCS ; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium: MSL_1900_190225 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.461$ S/m; $\epsilon_r = 52.444$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °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_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.881 W/kg

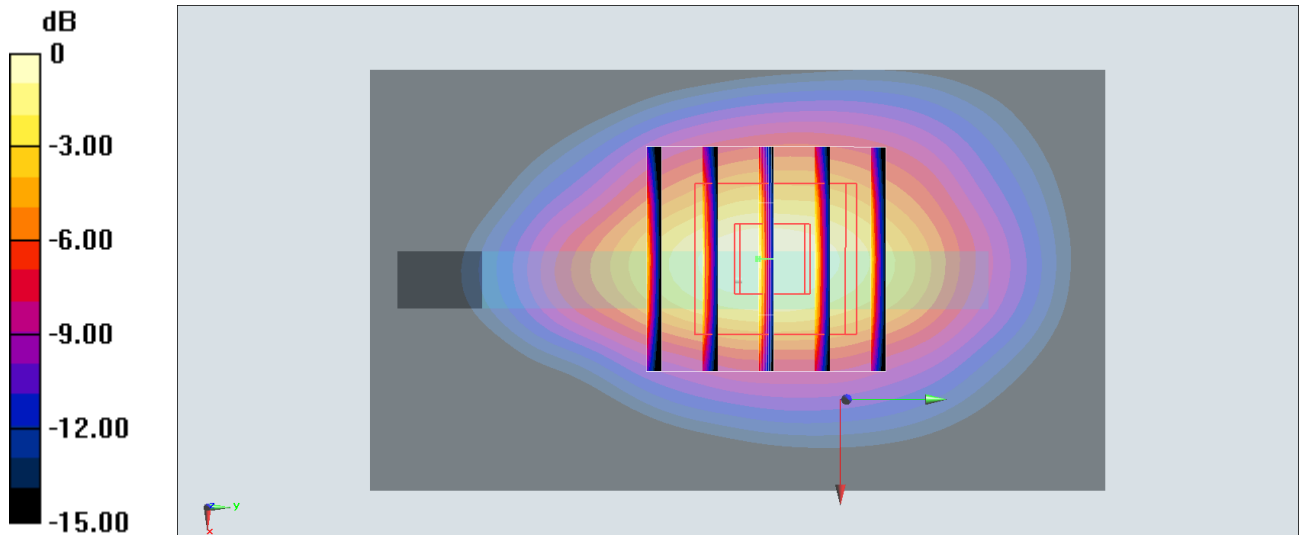
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.33 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.369 W/kg

Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.892 W/kg = -0.50 dBW/kg

#17_WCDMA V_RMC 12.2Kbps_Left Side_10mm_Ch4132

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

Medium: MSL_850_190226 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 55.225$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

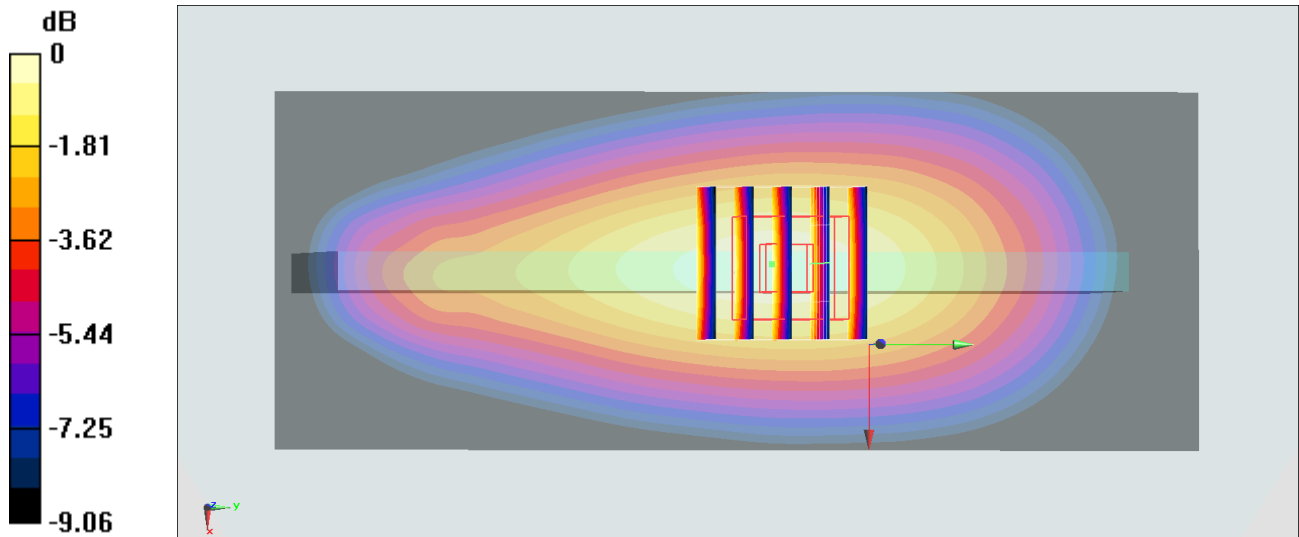
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.07 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.330 W/kg



#18_LTE Band 4_20M_QPSK_50_0_Bottom Side_10mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_190225 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.462$ S/m; $\epsilon_r = 55.228$; $\rho = 1000$ kg/m³

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_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.925 W/kg

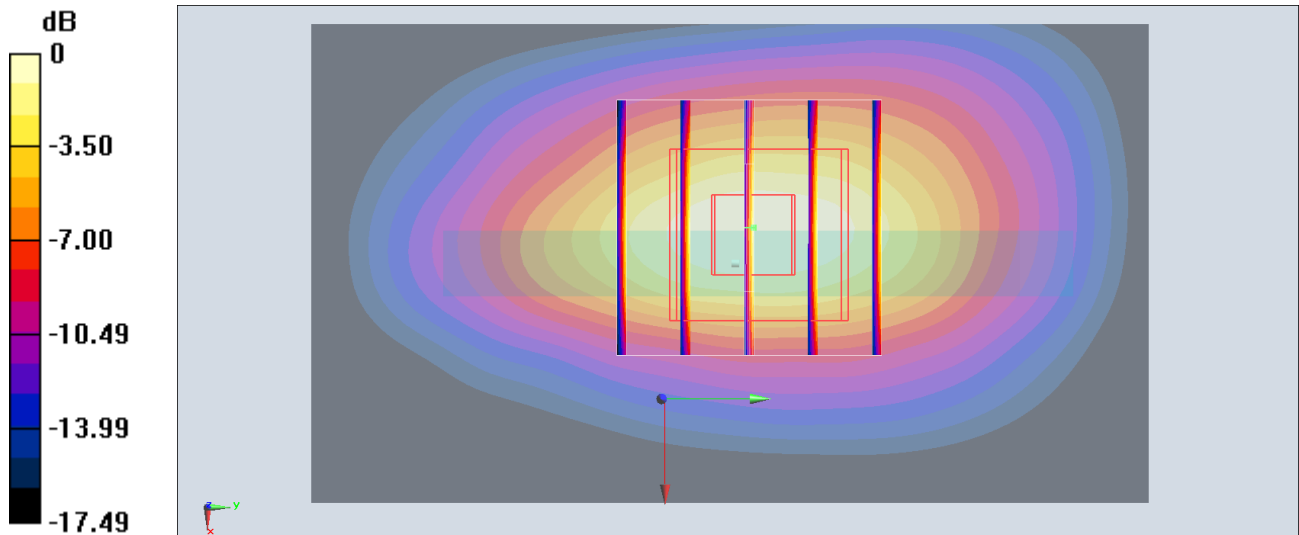
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.35 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg = -0.48 dBW/kg

#19_LTE Band 5_10M_QPSK_1_0_Left Side_10mm_Ch20525

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

Medium: MSL_850_190226 Medium parameters used : $f = 836.5$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 55.128$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.267 W/kg

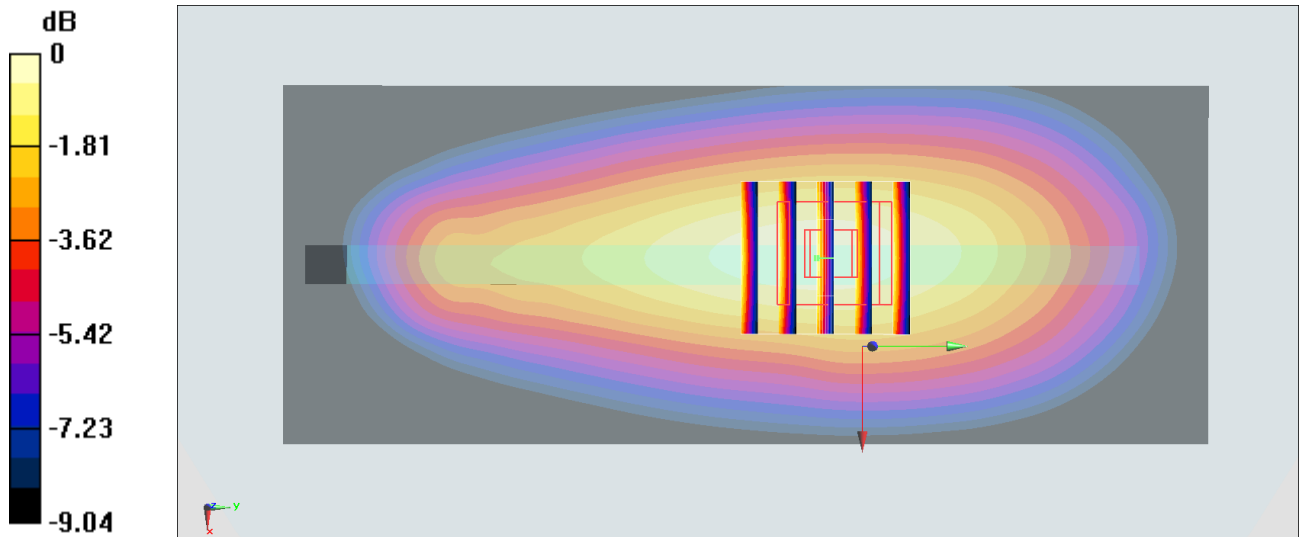
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.10 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

#20_LTE Band 7_20M_QPSK_1_99_Bottom Side_10mm_Ch20850

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

Medium: MSL_2600_190226 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.083$ S/m; $\epsilon_r = 53.474$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.27, 4.27, 4.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.525 W/kg

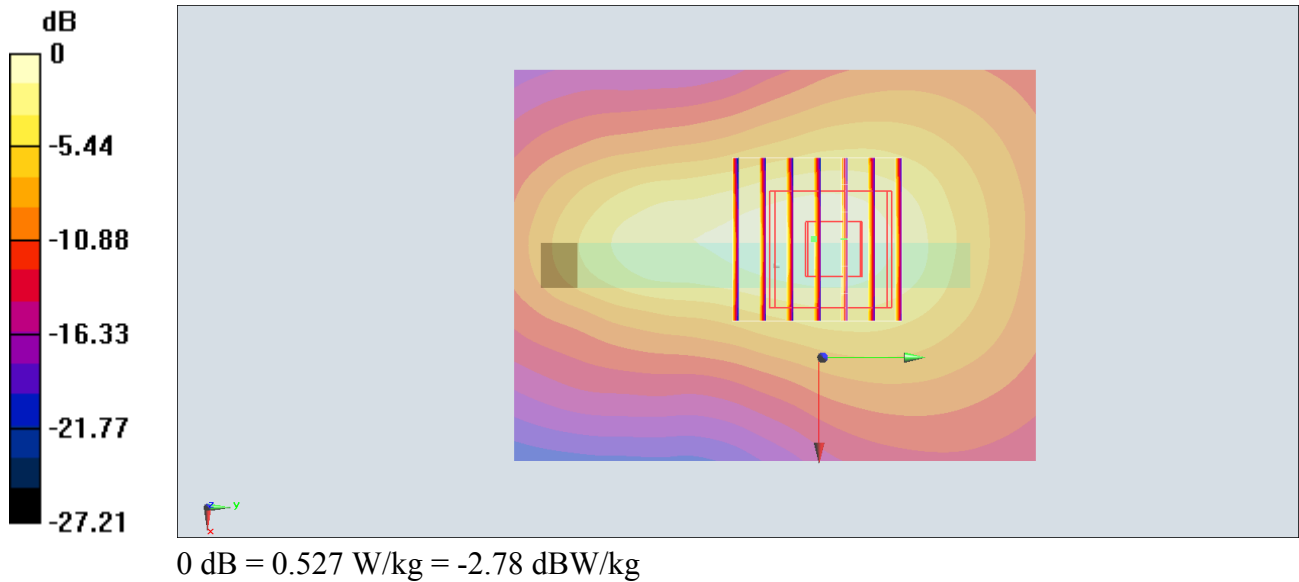
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.16 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



#21_LTE Band 12_10M_QPSK_1_49_Back_10mm_Ch23095

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

Medium: MSL_750_190225 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.604$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

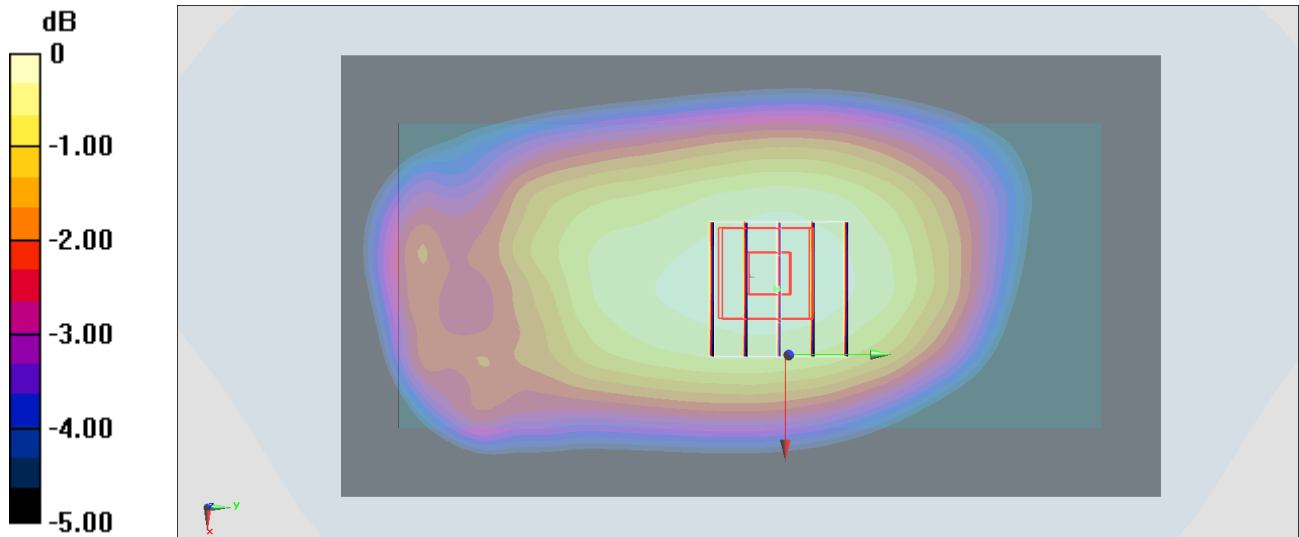
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.29 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

#22_LTE Band 13_10M_QPSK_1_0_Back_10mm_Ch23230

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

Medium: MSL_750_190225 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1.002 \text{ S/m}$; $\epsilon_r = 53.896$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1°C ; Liquid Temperature : 22.1°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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

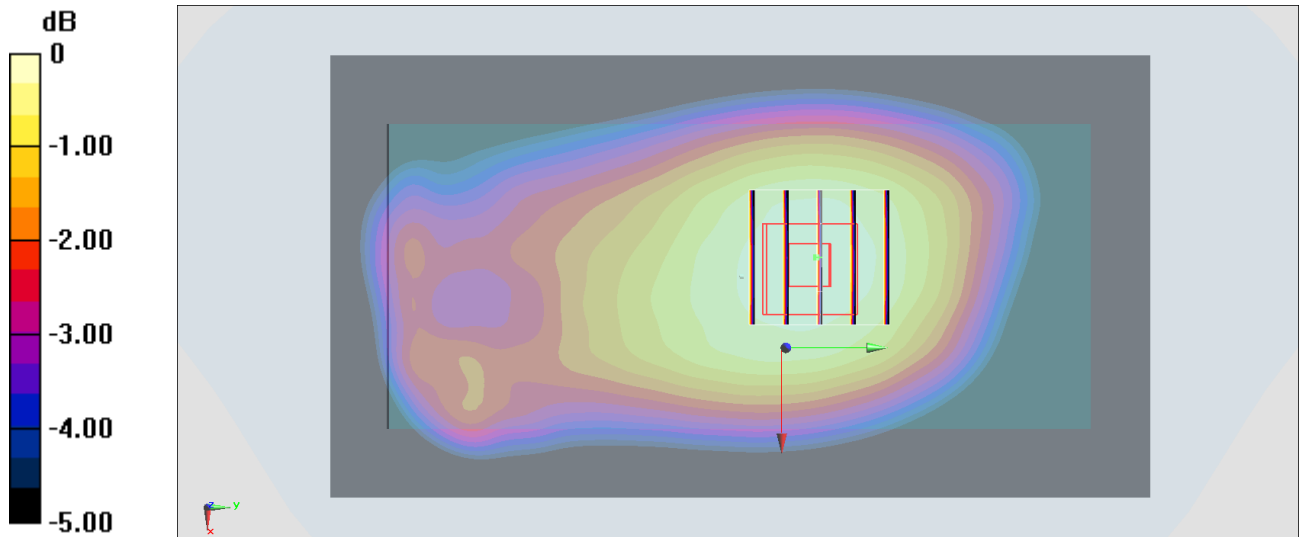
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.56 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.257 W/kg ; SAR(10 g) = 0.206 W/kg

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



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

#23_LTE Band 41_20M_QPSK_1_99_Bottom Side_10mm_Ch40620

Communication System: LTE; Frequency: 2593 MHz; Duty Cycle: 1:1.59

Medium: MSL_2600_190226 Medium parameters used : $f = 2593$ MHz; $\sigma = 2.197$ S/m; $\epsilon_r = 53.175$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.27, 4.27, 4.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

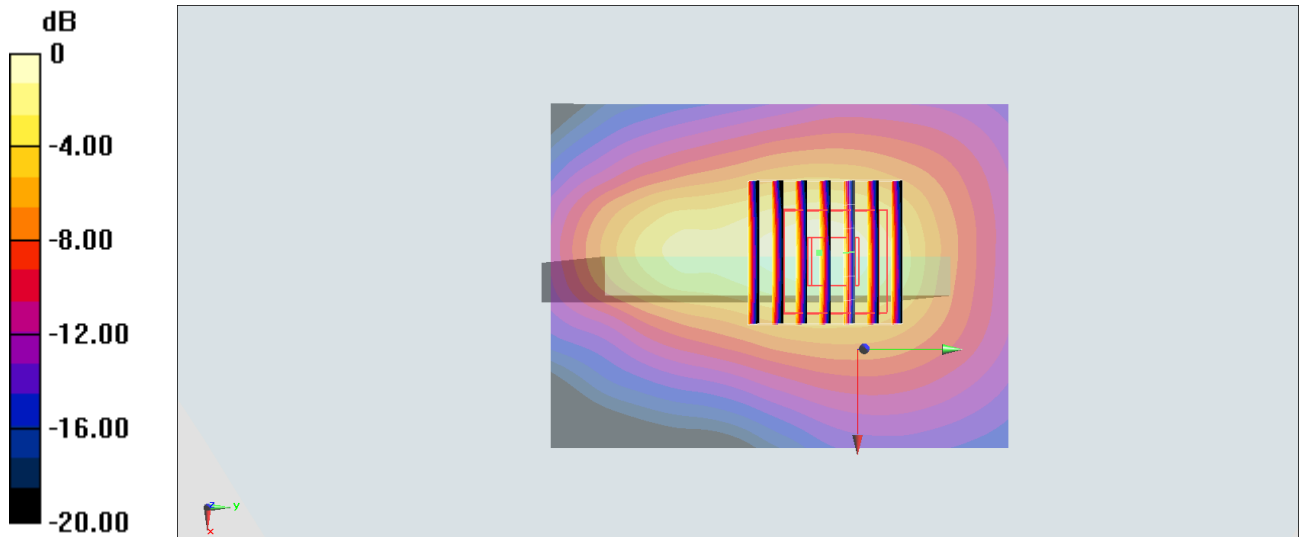
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.353 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.120 W/kg

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



0 dB = 0.320 W/kg = -4.95 dBW/kg

#24_WLAN2.4GHz_802.11b 1Mbps_Left Side_10mm_Ch1;Chain 0

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

Medium: MSL_2450_190307 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 53.476$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (41x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

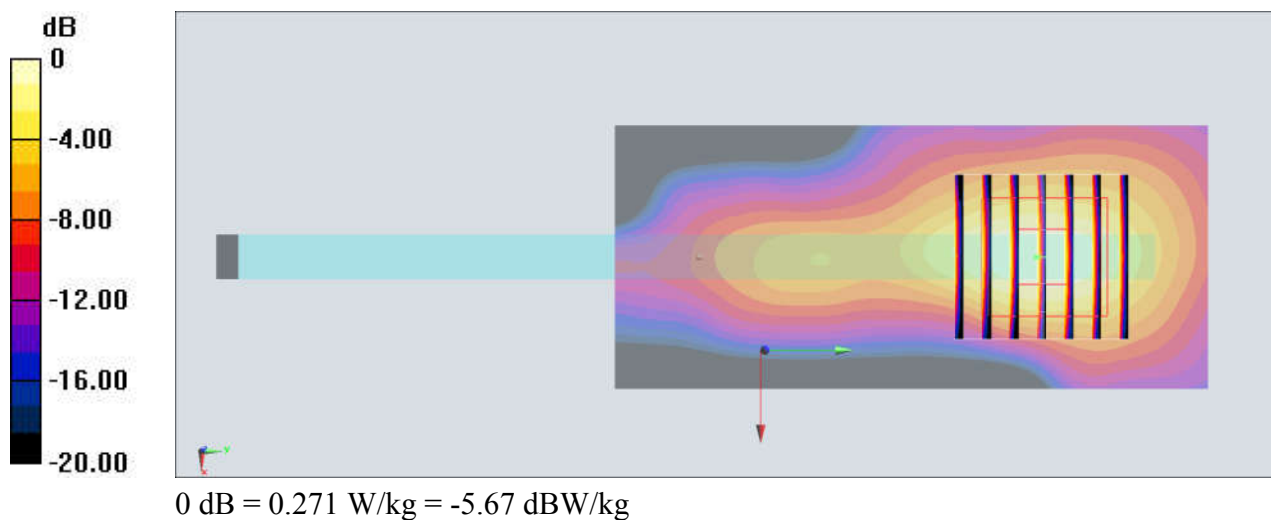
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.41 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



#25_Bluetooth_1Mbps_Left Side_10mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium: MSL_2450_190307 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 53.348$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (41x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0554 W/kg

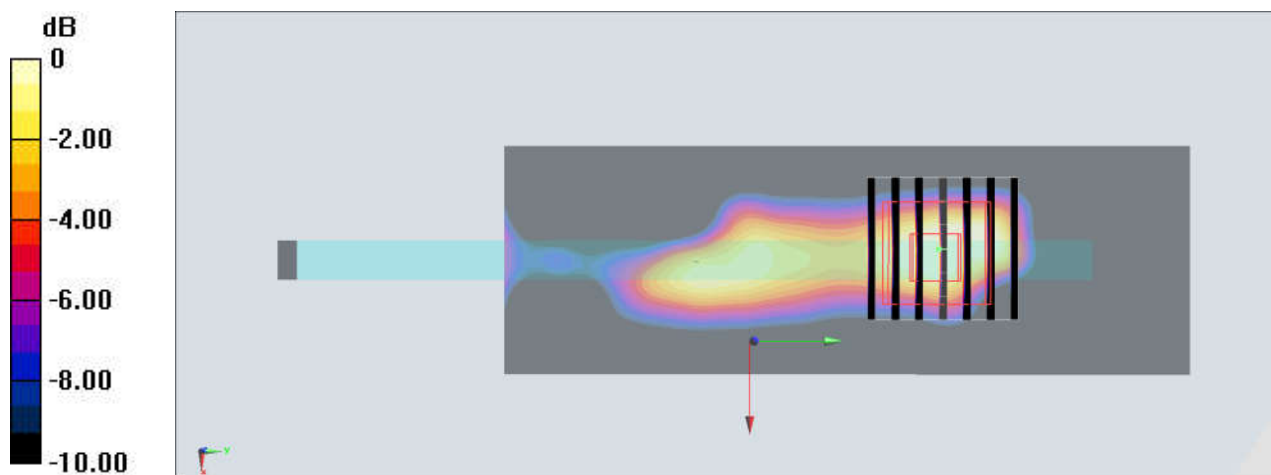
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.357 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00908 W/kg

Maximum value of SAR (measured) = 0.0445 W/kg



0 dB = 0.0445 W/kg = -13.52 dBW/kg

#26_GSM850_GPRS (4 Tx slots)_Front_15mm_Ch128

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

Medium: MSL_850_190226 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.942$ S/m; $\epsilon_r = 55.248$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

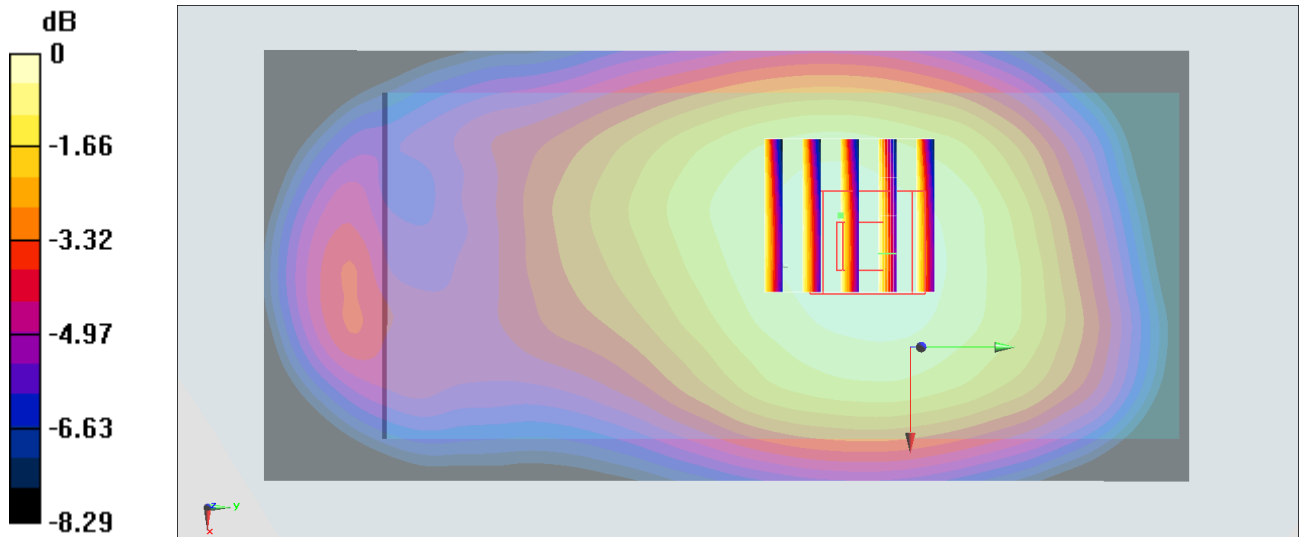
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.95 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.100 W/kg

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



#27_GSM1900_GPRS (4 Tx slots)_Front_15mm_Ch661

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

Medium: MSL_1900_190225 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.492$ S/m; $\epsilon_r = 52.365$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °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_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.215 W/kg

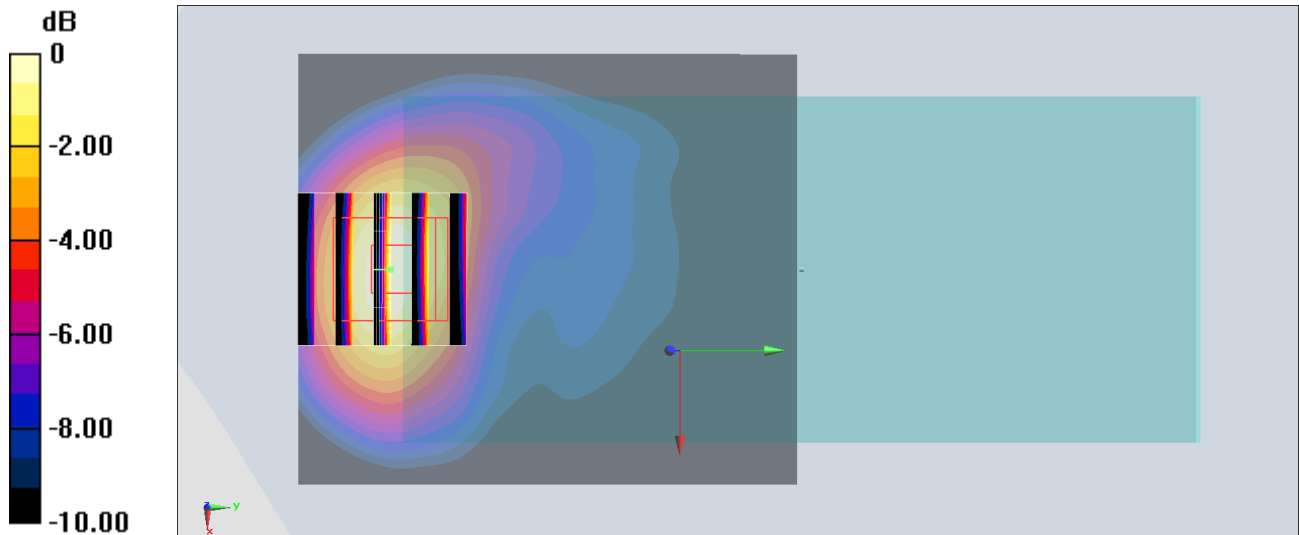
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.184 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

#28_WCDMA V_RMC 12.2Kbps_Front_15mm_Ch4132

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

Medium: MSL_850_190226 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 55.225$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

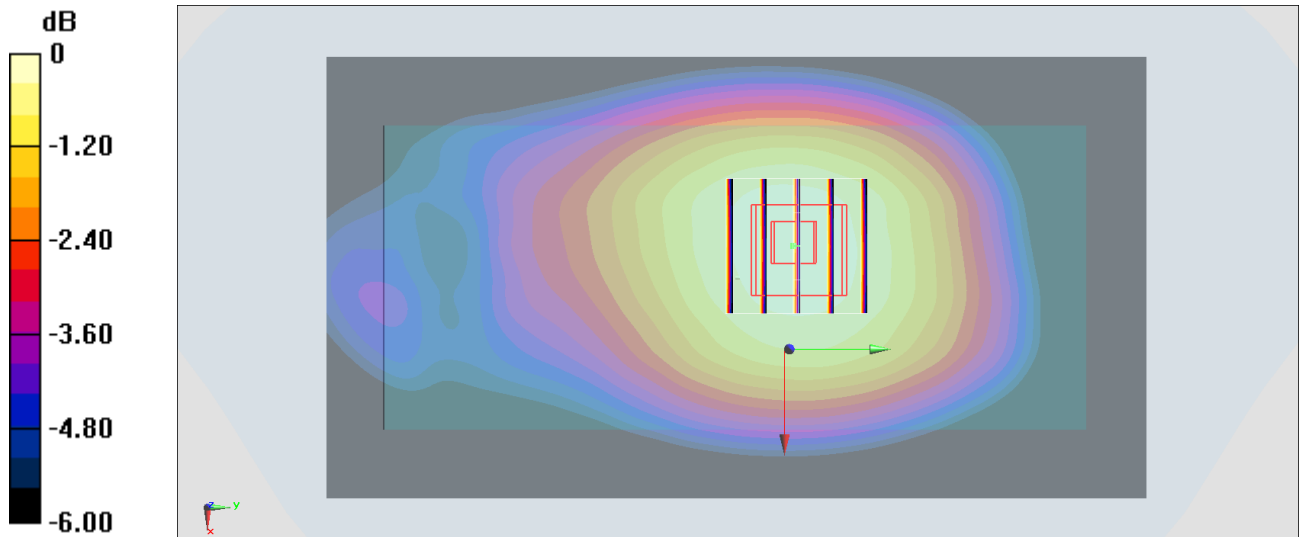
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.79 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg = -5.78 dBW/kg

#29_LTE Band 4_20M_QPSK_50_0_Back_15mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_190225 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.462$ S/m; $\epsilon_r = 55.228$; $\rho = 1000$ kg/m³

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_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.266 W/kg

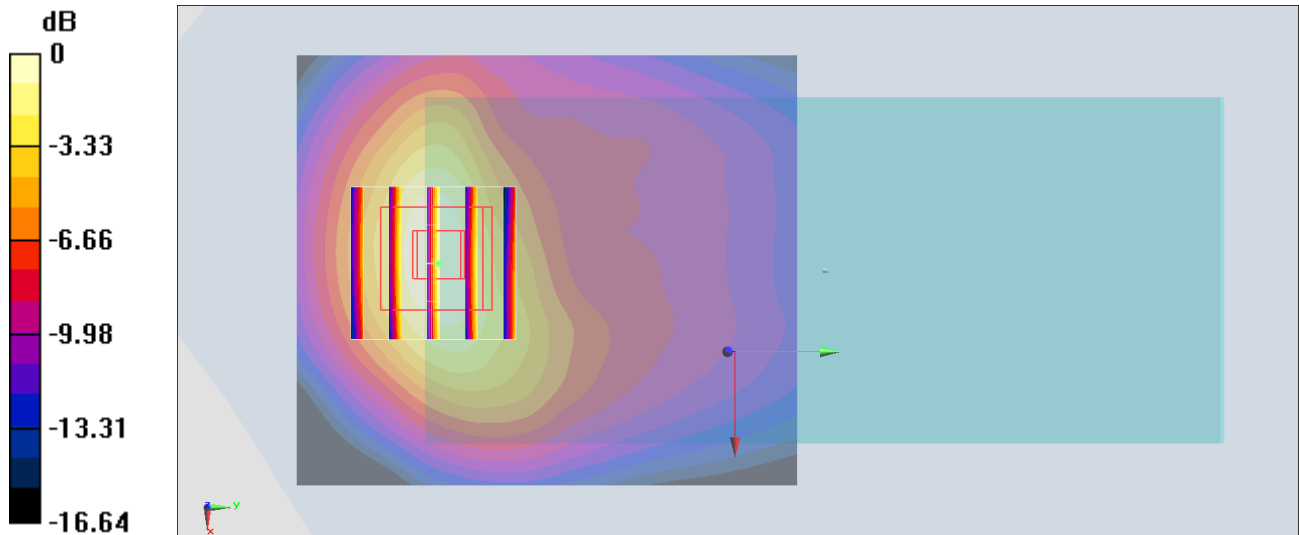
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.128 W/kg

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



0 dB = 0.263 W/kg = -5.80 dBW/kg

#30_LTE Band 5_10M_QPSK_1_0_Front_15mm_Ch20525

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

Medium: MSL_850_190226 Medium parameters used : $f = 836.5$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 55.128$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.225 W/kg

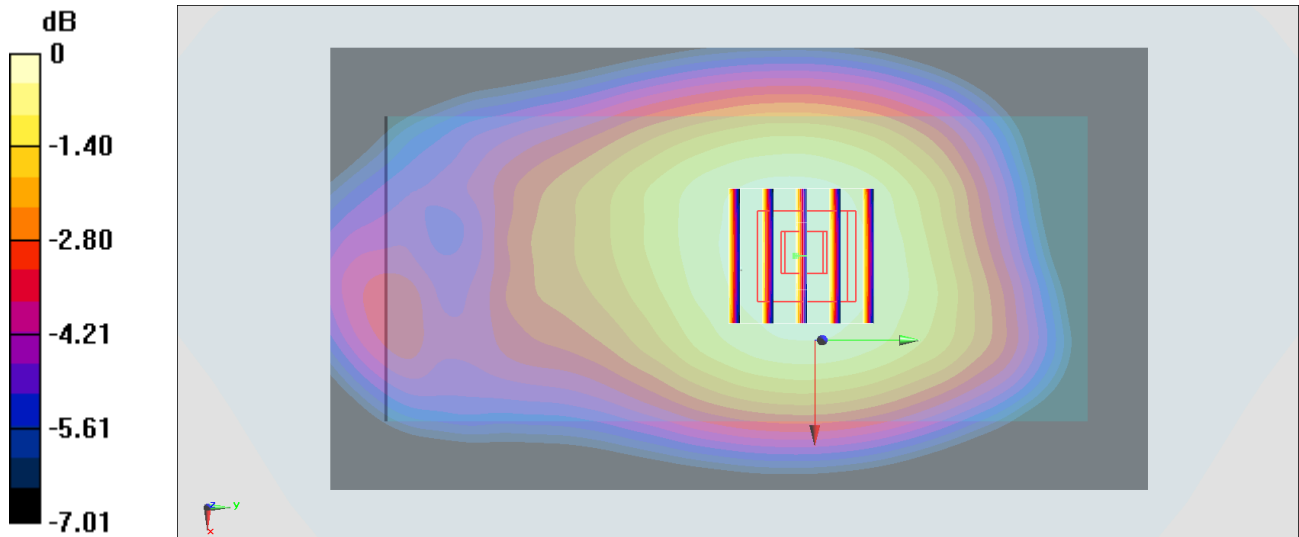
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg = -6.40 dBW/kg

#31_LTE Band 7_20M_QPSK_1_99_Back_15mm_Ch20850

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

Medium: MSL_2600_190226 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.083$ S/m; $\epsilon_r = 53.474$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.27, 4.27, 4.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.165 W/kg

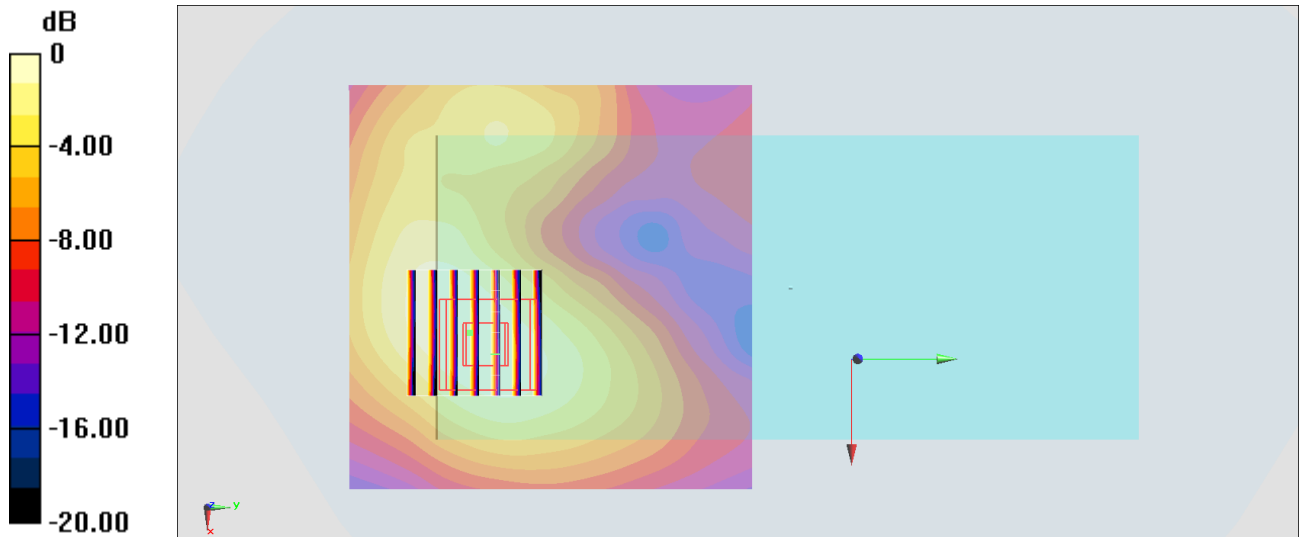
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.193 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.072 W/kg

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



0 dB = 0.164 W/kg = -7.85 dBW/kg

#32_LTE Band 12_10M_QPSK_1_49_Back_15mm_Ch23095

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

Medium: MSL_750_190225 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.604$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

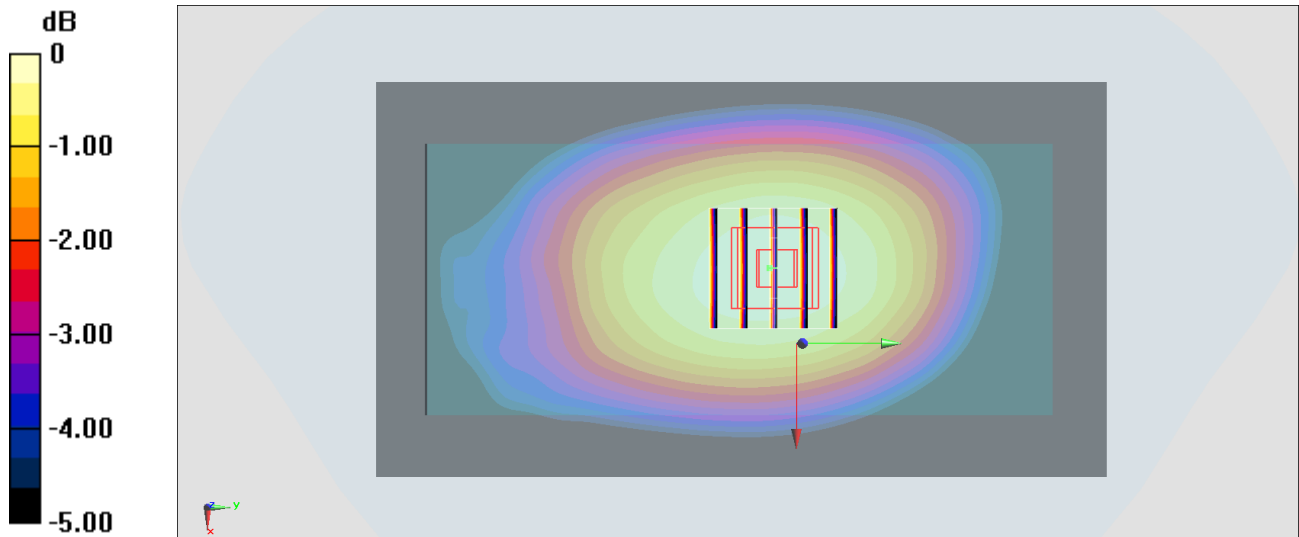
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.20 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

#33_LTE Band 13_10M_QPSK_1_0_Back_15mm_Ch23230

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

Medium: MSL_750_190225 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1.002 \text{ S/m}$; $\epsilon_r = 53.896$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1°C ; Liquid Temperature : 22.1°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_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

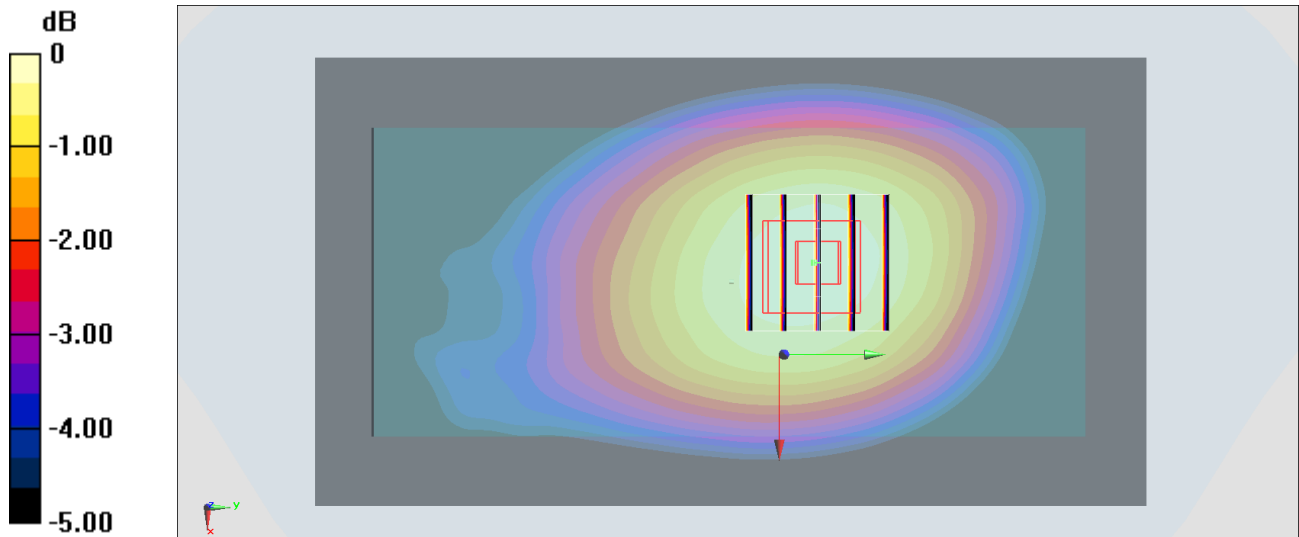
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.22 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.240 W/kg ; SAR(10 g) = 0.190 W/kg

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



0 dB = 0.261 W/kg = -5.83 dBW/kg

#34_LTE Band 41_20M_QPSK_1_99_Back_15mm_Ch40620

Communication System: LTE; Frequency: 2593 MHz; Duty Cycle: 1:1.59

Medium: MSL_2600_190226 Medium parameters used : $f = 2593$ MHz; $\sigma = 2.197$ S/m; $\epsilon_r = 53.175$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.27, 4.27, 4.27) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- 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) = 0.0952 W/kg

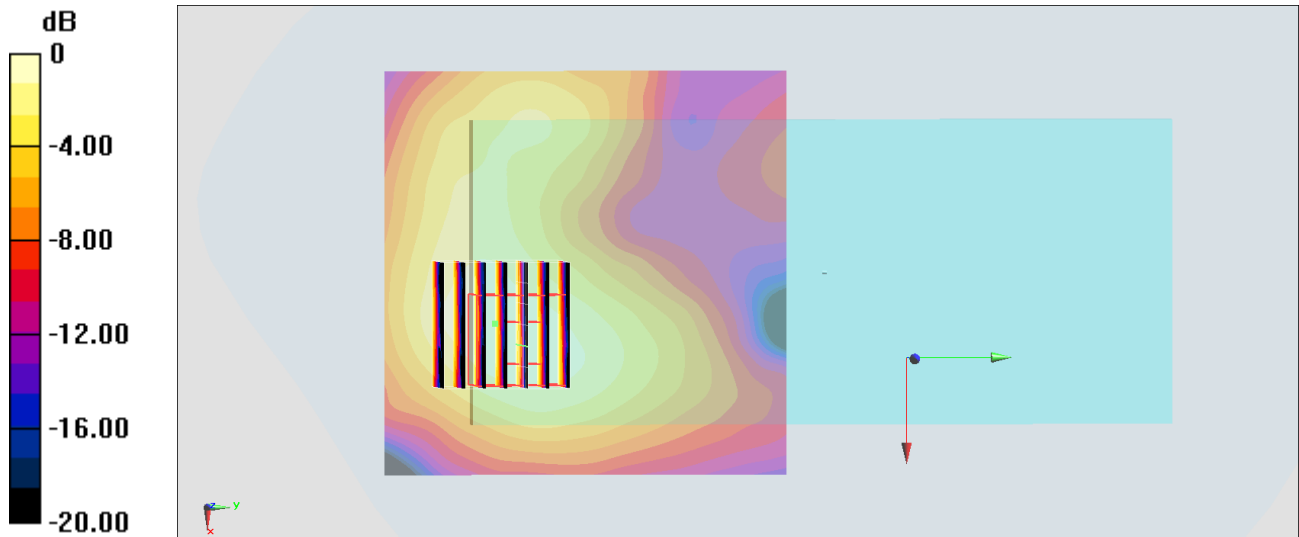
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.996 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.0956 W/kg



0 dB = 0.0956 W/kg = -10.20 dBW/kg

#35_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch1;Chain 0

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

Medium: MSL_2450_190307 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 53.476$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- 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) = 0.0850 W/kg

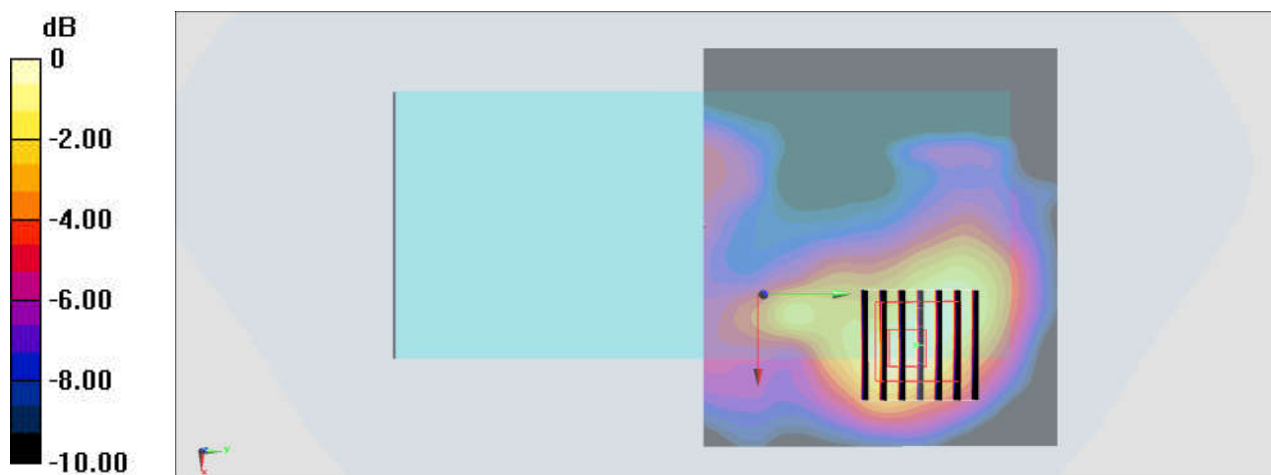
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.912 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.0851 W/kg



0 dB = 0.0851 W/kg = -10.70 dBW/kg

#36_WLAN5GHz_802.11ac-VHT80 MCS0_Back_15mm_Ch58;Chain 1

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.529$ S/m; $\epsilon_r = 47.216$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0528 W/kg

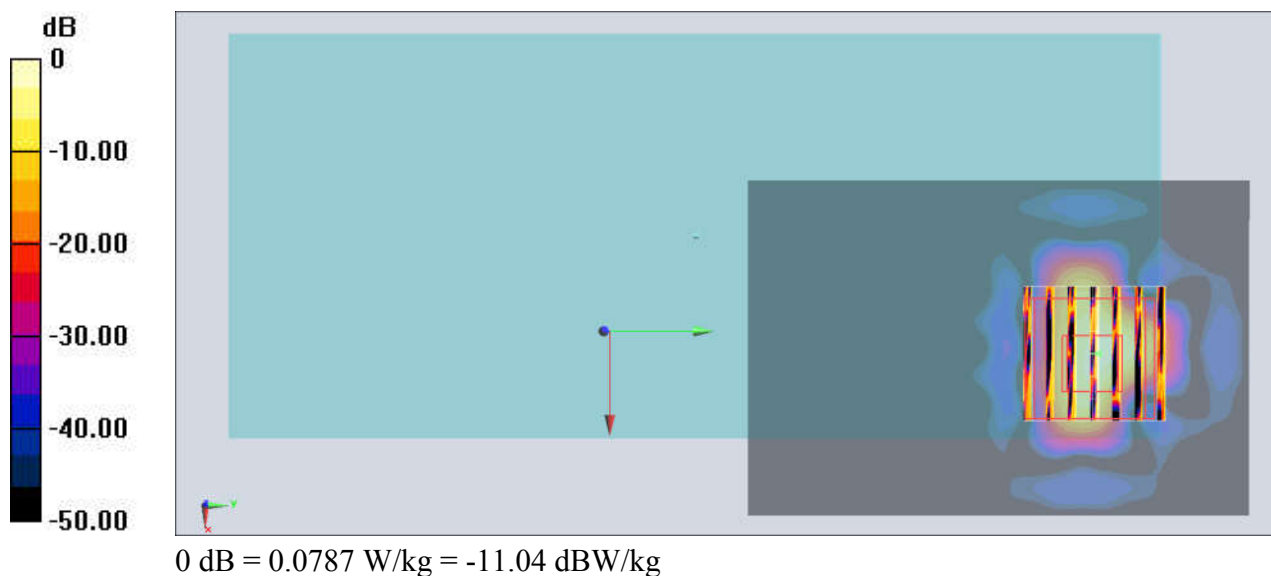
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.00644 W/kg

Maximum value of SAR (measured) = 0.0787 W/kg



#37_WLAN5GHz_802.11ac-VHT80 MCS0_Back_15mm_Ch106;Chain 1

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used : $f = 5530$ MHz; $\sigma = 5.838$ S/m; $\epsilon_r = 46.783$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

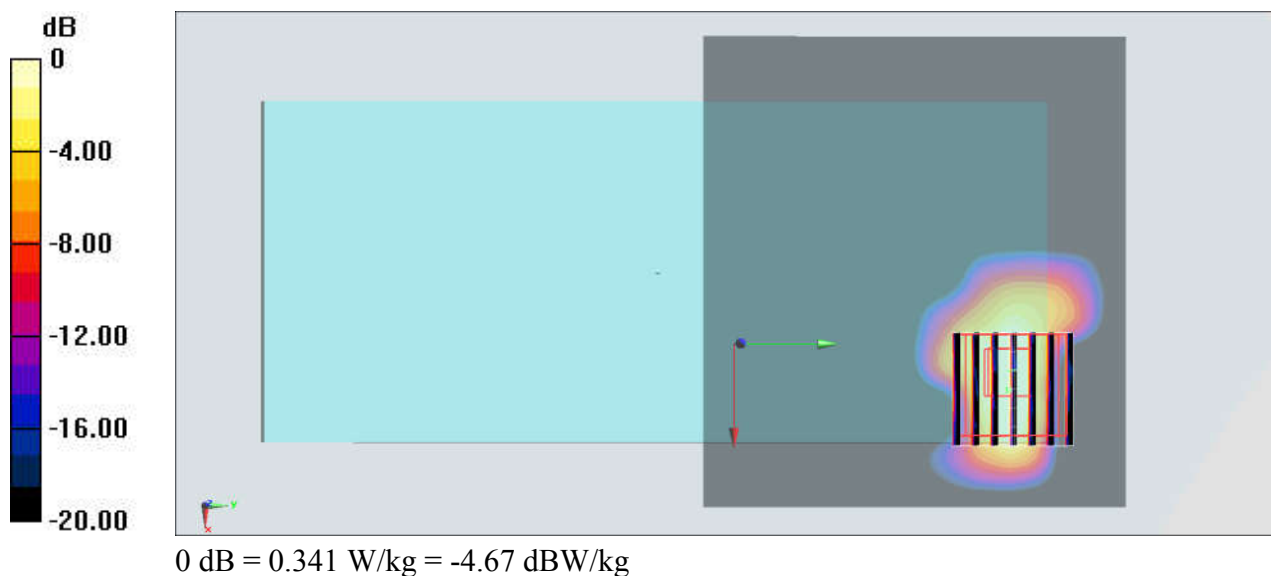
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.565 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.520 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.041 W/kg

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



#38_WLAN5GHz_802.11ac-VHT80 MCS0_Back_15mm_Ch155;Chain 1

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.182$ S/m; $\epsilon_r = 46.353$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (111x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

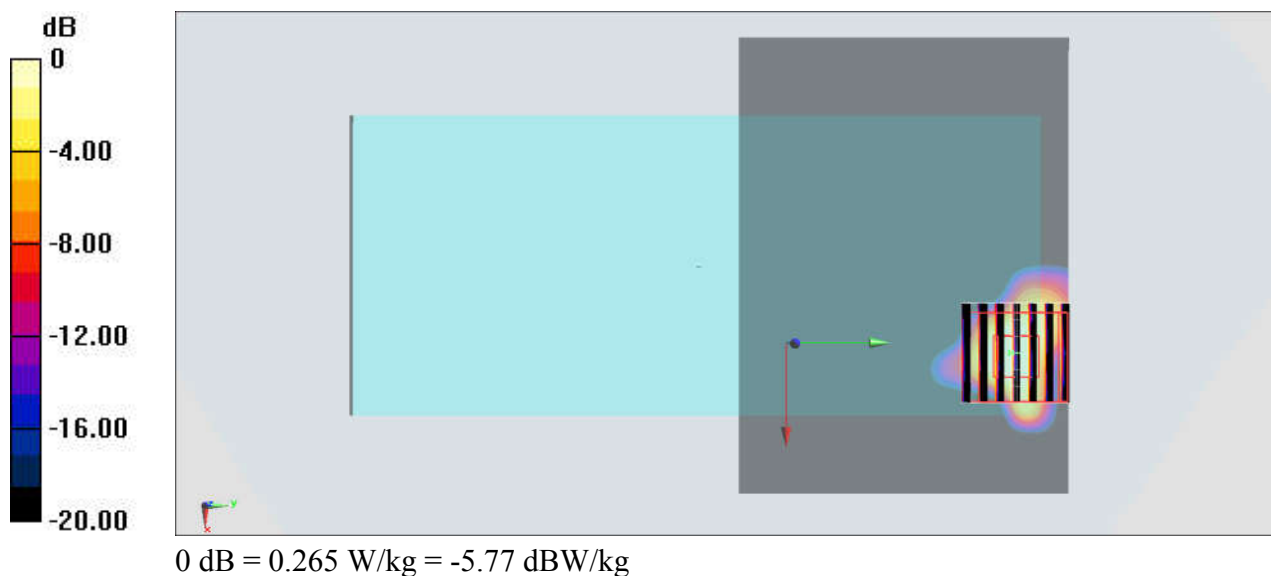
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.160 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.265 W/kg



#39_Bluetooth_1Mbps_Back_15mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium: MSL_2450_190307 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 53.348$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- 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) = 0.0405 W/kg

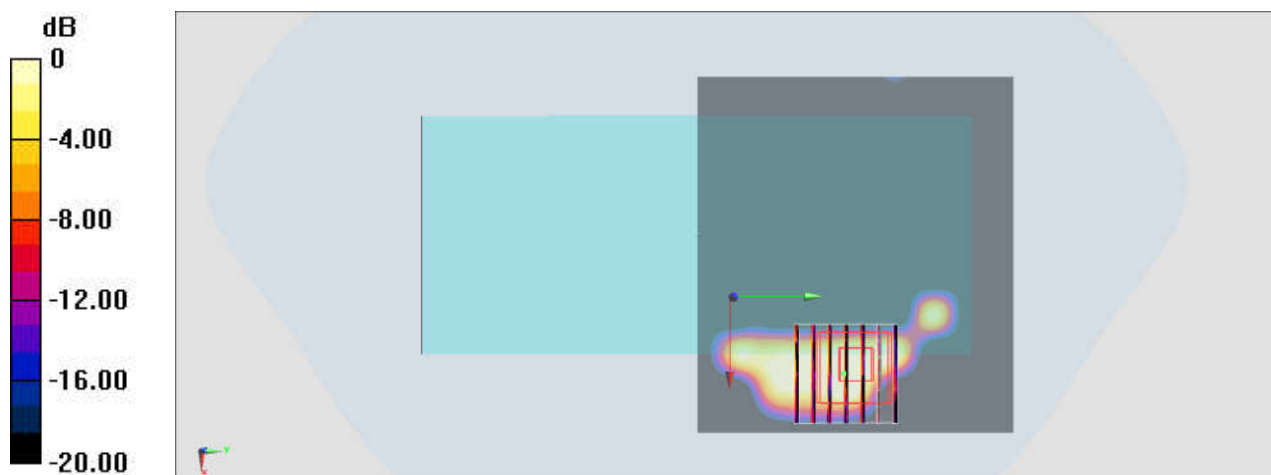
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.772 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0140 W/kg

SAR(1 g) = 0.00462 W/kg; SAR(10 g) = 0.00142 W/kg

Maximum value of SAR (measured) = 0.00975 W/kg



0 dB = 0.00975 W/kg = -20.11 dBW/kg

#40_WLAN5GHz_802.11ac-VHT80 MCS0_Back_0mm_Ch58;Chain 0

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.529$ S/m; $\epsilon_r = 47.216$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.15 W/kg

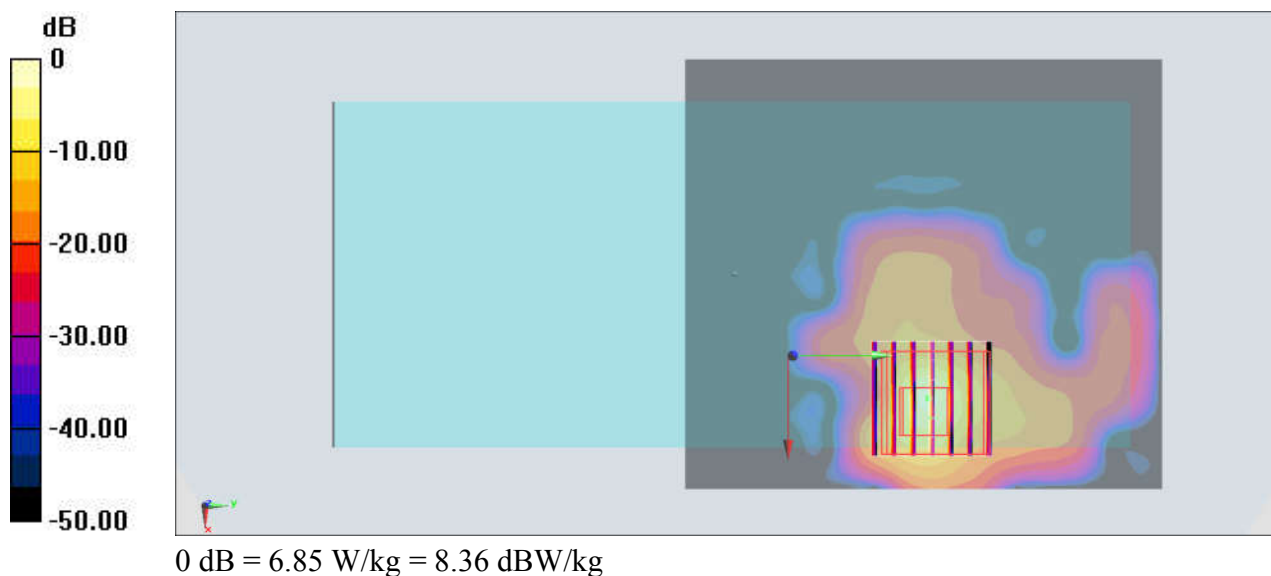
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 5.441 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 1.98 W/kg; SAR(10 g) = 0.323 W/kg

Maximum value of SAR (measured) = 6.85 W/kg



#41_WLAN5GHz_802.11ac-VHT80 MCS0_Back_0mm_Ch106;Chain 1

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used : $f = 5530$ MHz; $\sigma = 5.838$ S/m; $\epsilon_r = 46.783$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 8.03 W/kg

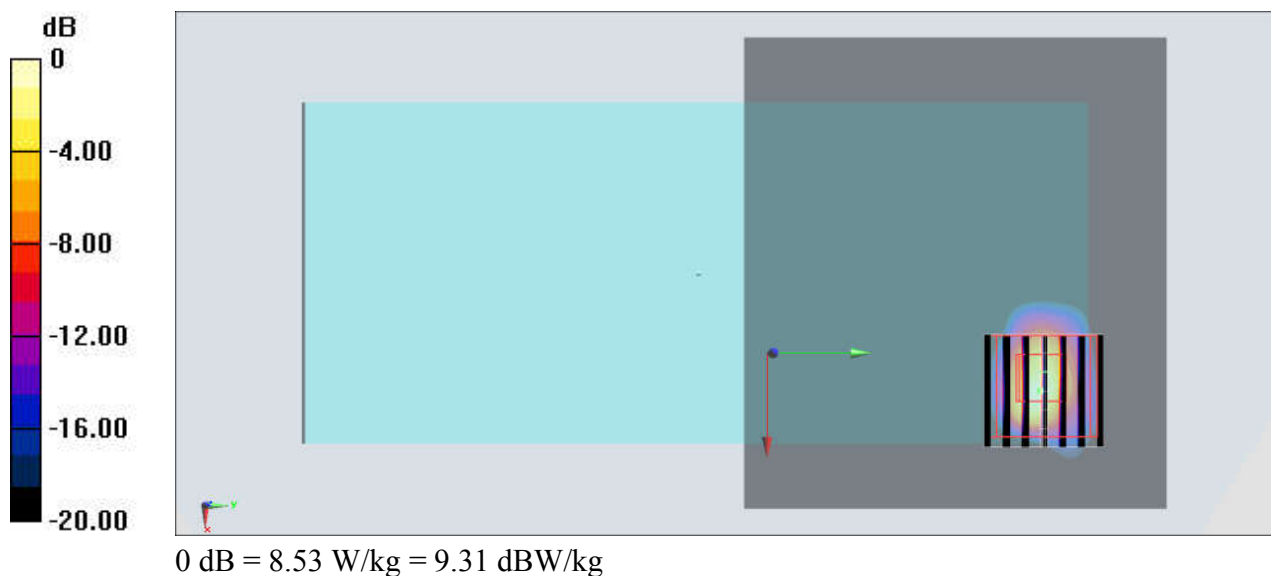
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.452 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 2.53 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 8.53 W/kg



#42_WLAN5GHz_802.11ac-VHT80 MCS0_Back_0mm_Ch155;Chain 1

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.045

Medium: MSL_5G_190304 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.182$ S/m; $\epsilon_r = 46.353$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (111x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 7.43 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 0.450 W/kg

Maximum value of SAR (measured) = 7.75 W/kg

