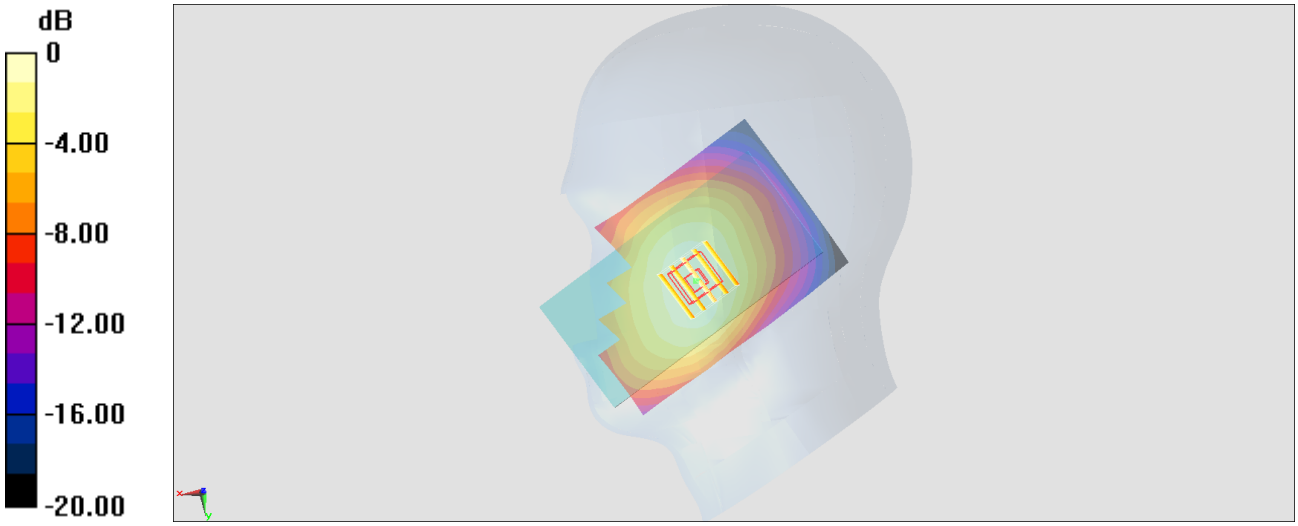
## #01_GSM850_GPRS (4 Tx slots)_Right Cheek_Ch251

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_850_181005 Medium parameters used: f = 849 MHz; $\sigma$ = 0.908 S/m; $\varepsilon_r$ = 41.805; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.508 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.69 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.589 W/kg
**SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.365 W/kg**
Maximum value of SAR (measured) = 0.521 W/kg




0 dB = 0.521 W/kg = -2.83 dBW/kg

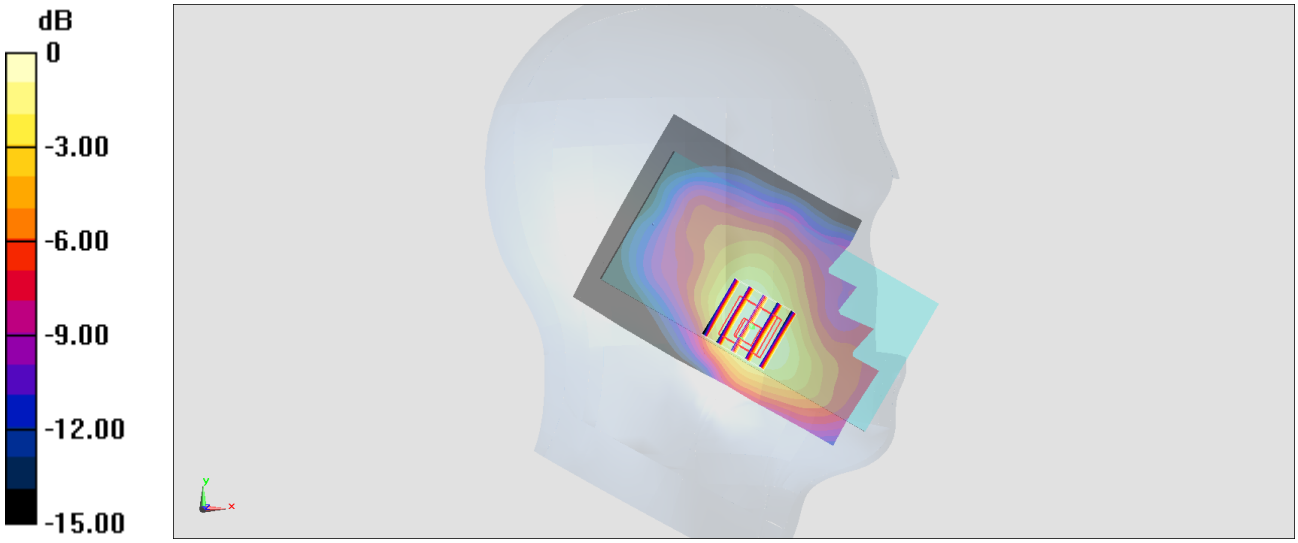
## #02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch810

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_181029 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.449 S/m; $\varepsilon_r$ = 40.08; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270;ConvF(5.17, 5.17, 5.17) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.406 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.85 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.563 W/kg
**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.223 W/kg**
Maximum value of SAR (measured) = 0.418 W/kg




0 dB = 0.418 W/kg = -3.79 dBW/kg

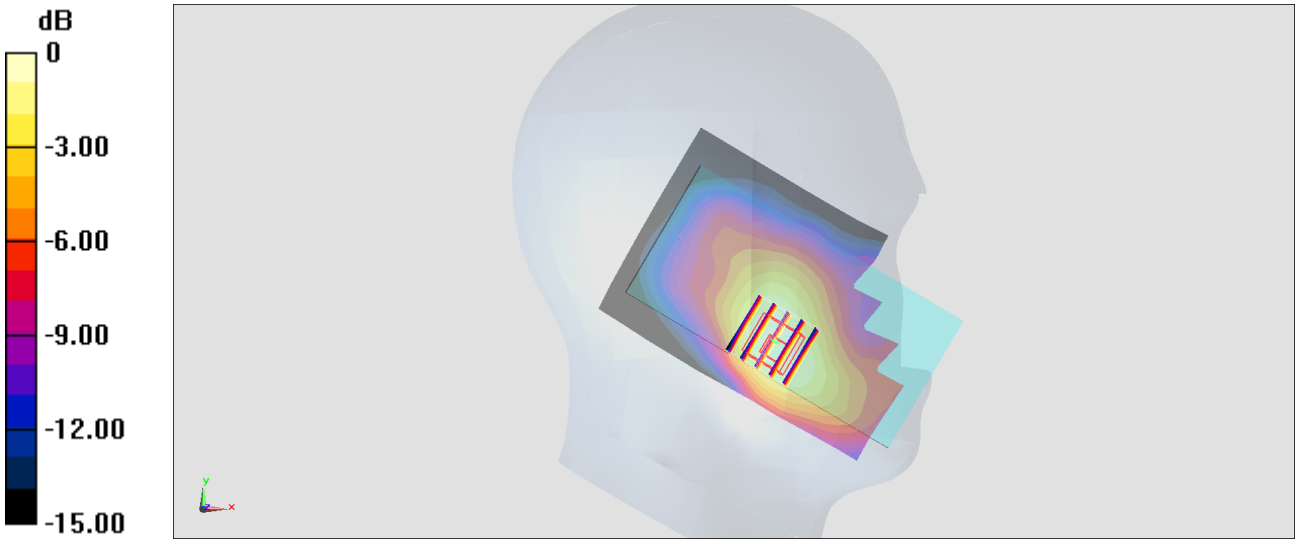
## #03_WCDMA II_RMC 12.2Kbps_Left Cheek_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_181029 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.435 S/m; $\varepsilon_r$ = 40.158; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270;ConvF(5.17, 5.17, 5.17) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 1.02 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.90 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.32 W/kg
**SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.544 W/kg**
Maximum value of SAR (measured) = 1.00 W/kg




0 dB = 1.00 W/kg = 0.00 dBW/kg

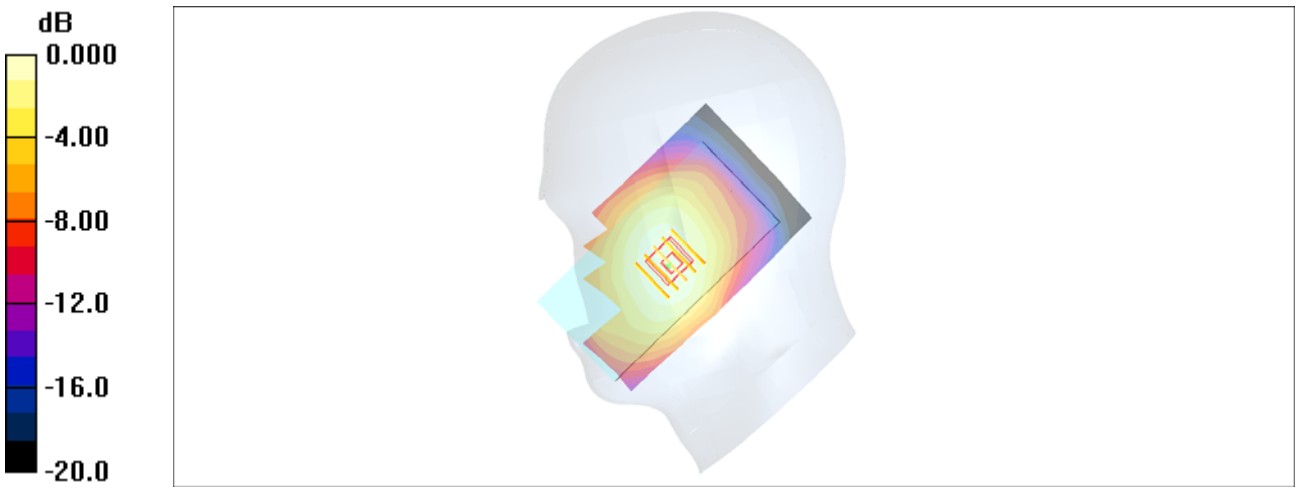
## #04_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_181005 Medium parameters used: f = 847 MHz; $\sigma$ = 0.906 mho/m; $\varepsilon_r$ = 41.8; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃； Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39); Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.802 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.906 W/kg
**SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.563 mW/g**
Maximum value of SAR (measured) = 0.792 mW/g




0 dB = 0.792mW/g

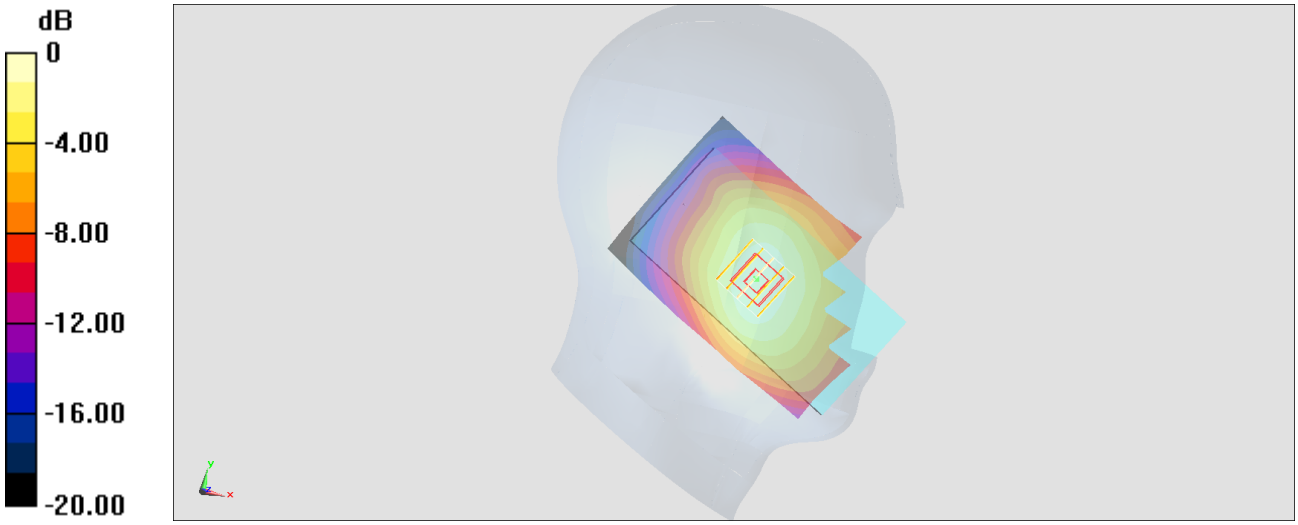
# #05_CDMA BC0_1xRTT RC3 SO55_Left Cheek_Ch384

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: HSL_850_181005 Medium parameters used: f = 837 MHz; $\sigma$ = 0.896 S/m; $\varepsilon_r$ = 41.959; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.596 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.98 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.682 W/kg
**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.432 W/kg**
Maximum value of SAR (measured) = 0.614 W/kg




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

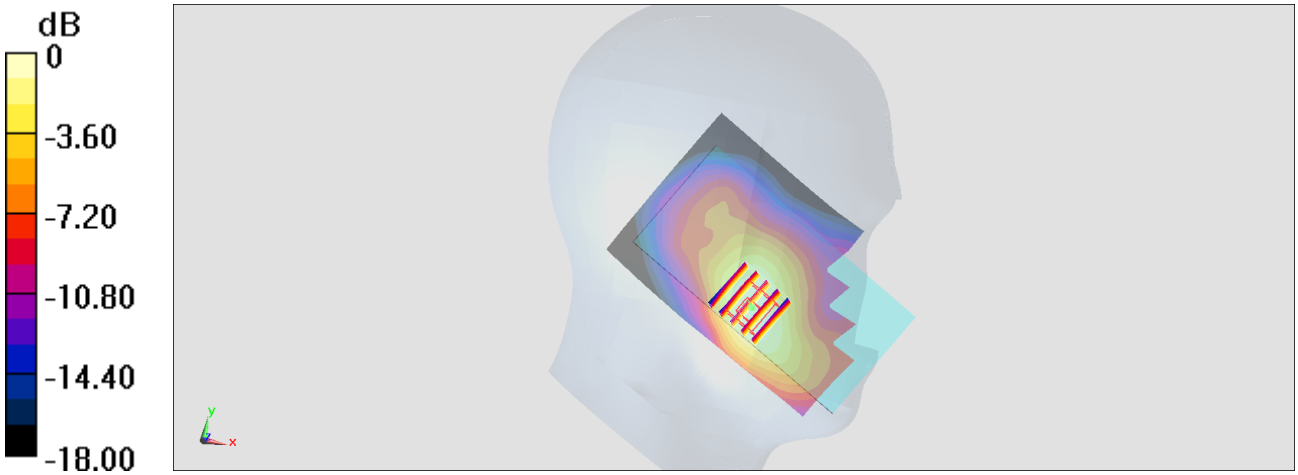
## #06_CDMA BC1_1xRTT RC3 SO55_Left Cheek_Ch1175

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_181029 Medium parameters used: f = 1909 MHz; $\sigma$ = 1.459 S/m; $\varepsilon_r$ = 40.044; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: ES3DV3 - SN3270;ConvF(5.17, 5.17, 5.17) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 1.27 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.03 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.63 W/kg
**SAR(1 g) = 0.82 W/kg; SAR(10 g) = 0.567 W/kg**
Maximum value of SAR (measured) = 1.23 W/kg




0 dB = 1.23 W/kg = 0.90 dBW/kg

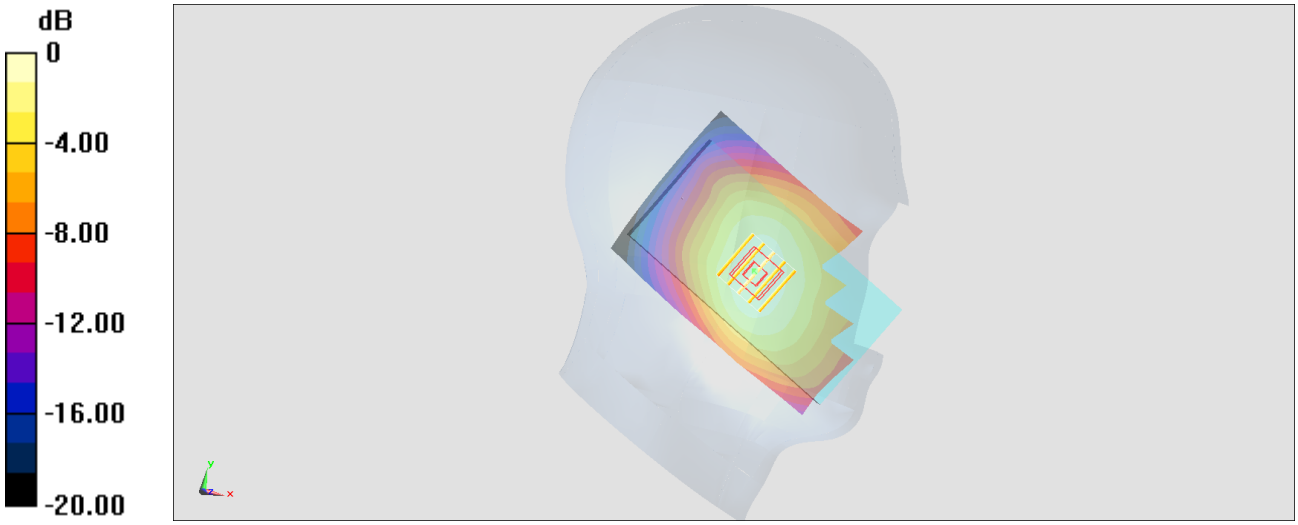
# #07_CDMA BC10_1xRTT RC3 SO55_Left Cheek_Ch580

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_181005 Medium parameters used : f = 820.5 MHz; $\sigma$ = 0.88 S/m; $\varepsilon_r$ = 42.157; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.687 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.85 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.783 W/kg
**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.503 W/kg**
Maximum value of SAR (measured) = 0.707 W/kg




0 dB = 0.707 W/kg = -1.51 dBW/kg

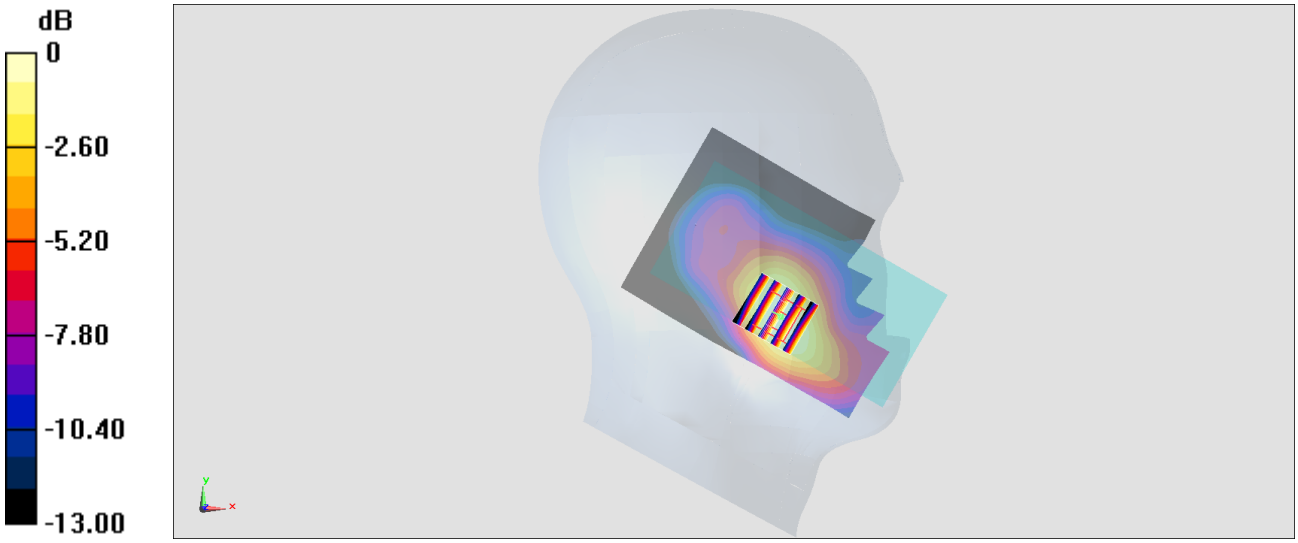
## #08_LTE Band 2_20M_QPSK_1_49_Left Cheek_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL_1900_181029 Medium parameters used: f = 1860 MHz; $\sigma$ = 1.419 S/m; $\varepsilon_r$ = 40.215; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270;ConvF(5.17, 5.17, 5.17) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 1.19 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.80 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.56 W/kg
**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.638 W/kg**
Maximum value of SAR (measured) = 1.17 W/kg




0 dB = 1.17 W/kg = 0.68 dBW/kg

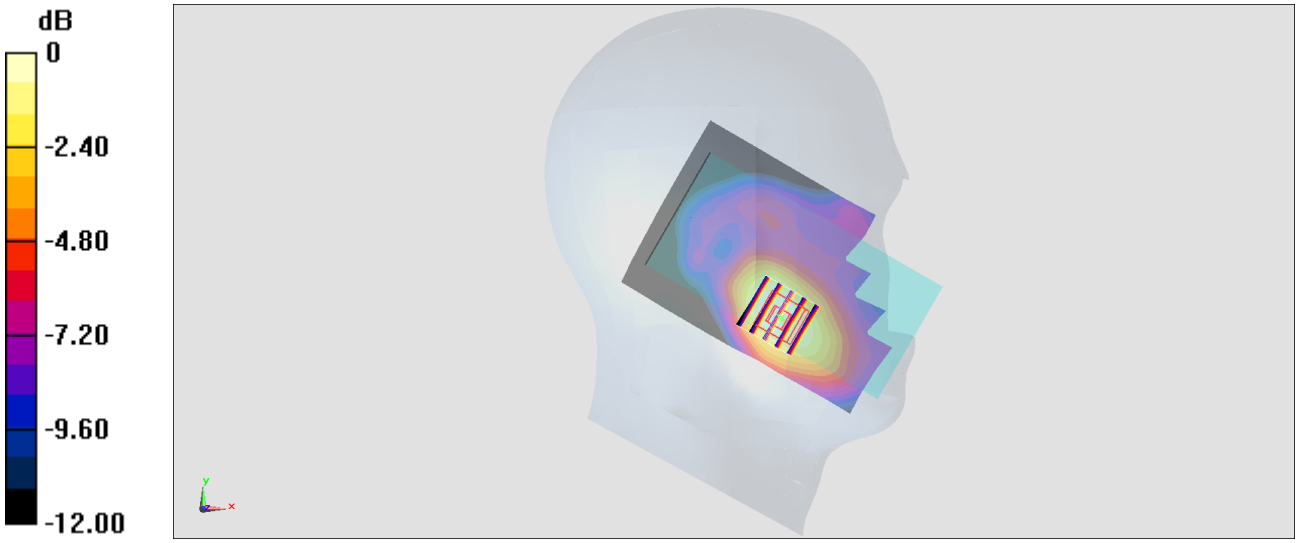
## #09_LTE Band 4_20M_QPSK_1_0_Left Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_181029 Medium parameters used: f = 1733 MHz; $\sigma$ = 1.358 S/m; $\varepsilon_r$ = 41.558; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270;ConvF(5.42, 5.42, 5.42) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.893 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.87 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.09 W/kg
**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.496 W/kg**
Maximum value of SAR (measured) = 0.875 W/kg




0 dB = 0.875 W/kg = -0.58 dBW/kg

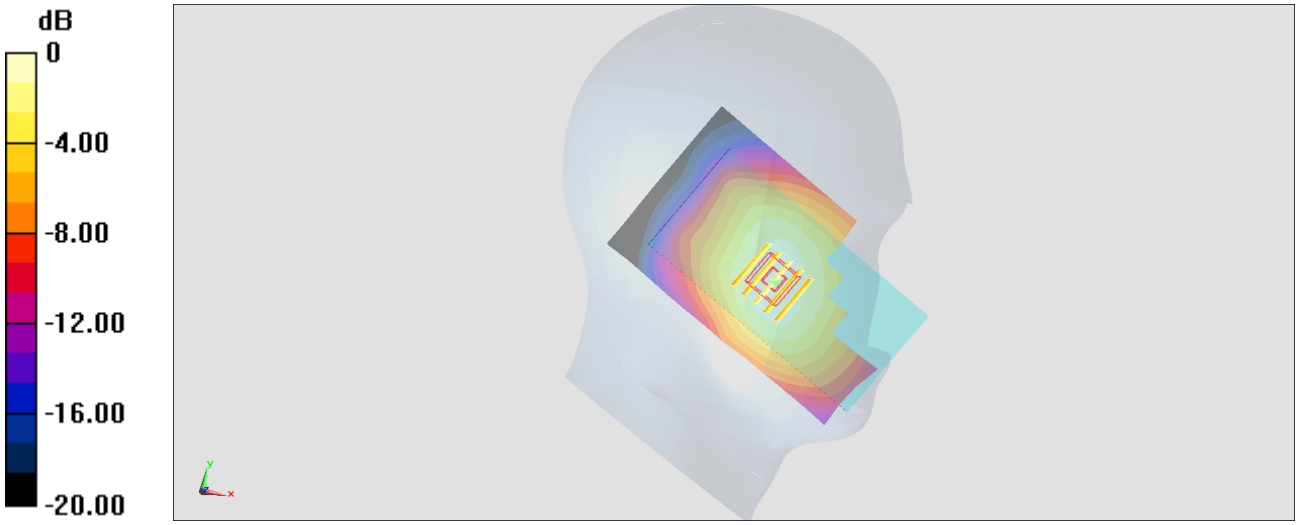
## #10_LTE Band 5_10M_QPSK_1_0_Left Cheek_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_181005 Medium parameters used : f = 836.5 MHz; $\sigma$ = 0.895 S/m; $\varepsilon_r$ = 41.966; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.39, 6.39, 6.39) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.637 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.78 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.719 W/kg
**SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.468 W/kg**
Maximum value of SAR (measured) = 0.653 W/kg




0 dB = 0.653 W/kg = -1.85 dBW/kg

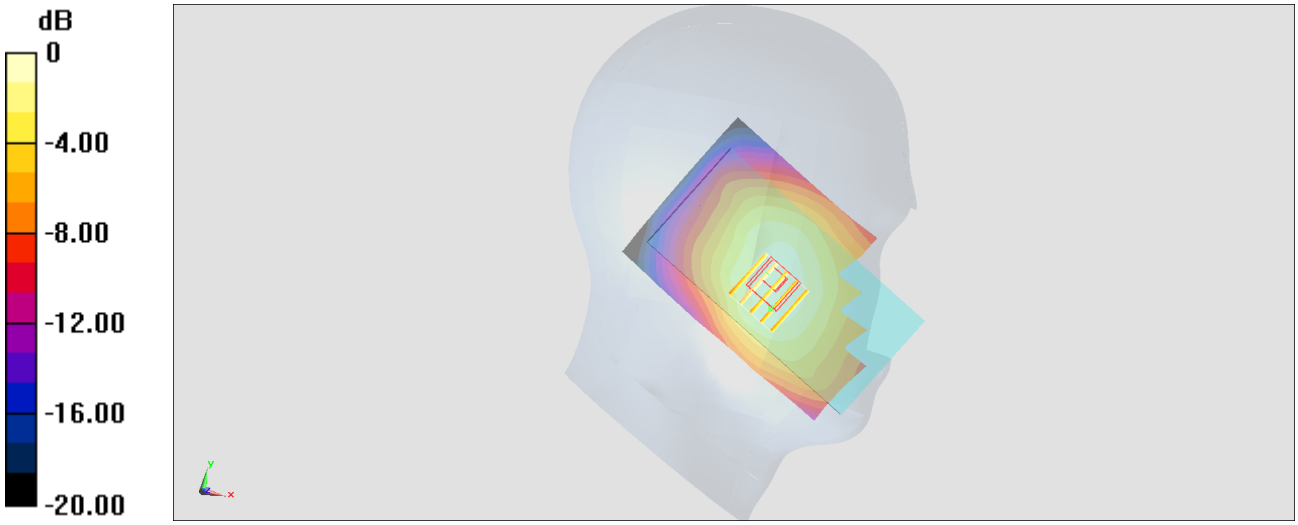
# #11_LTE Band 13_10M_QPSK_1_0_Left Cheek_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_181005 Medium parameters used: f = 782 MHz; $\sigma$ = 0.93 S/m; $\varepsilon_r$ = 42.736; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3169; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.647 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.50 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.741 W/kg
**SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.480 W/kg**
Maximum value of SAR (measured) = 0.655 W/kg




0 dB = 0.655 W/kg = -1.84 dBW/kg

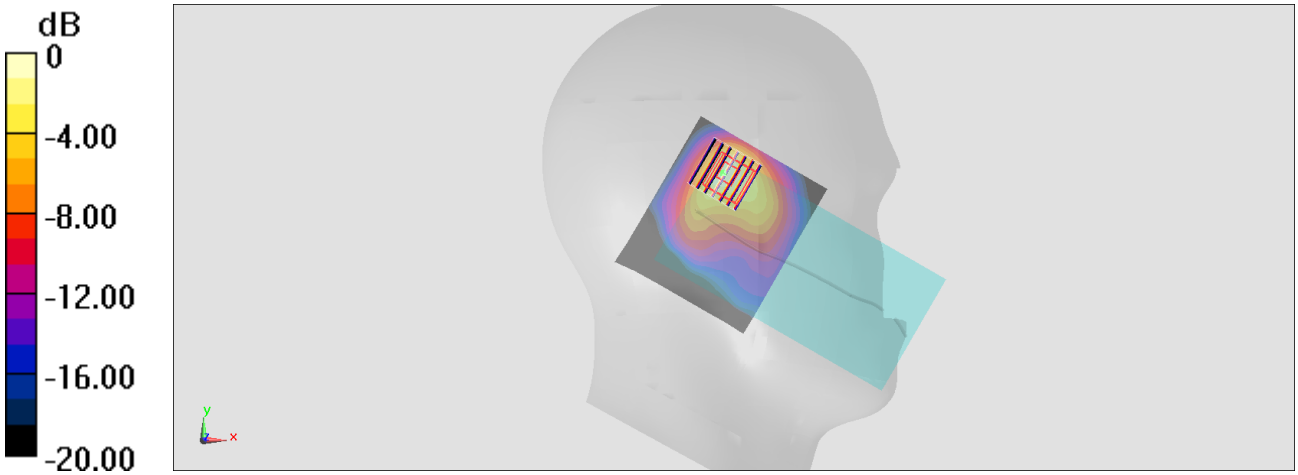
## #12_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_181116 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.795 S/m; $\varepsilon_r$ = 39.363; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.42, 7.42, 7.42) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.87 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.49 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.19 W/kg
**SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.458 W/kg**
Maximum value of SAR (measured) = 1.67 W/kg




0 dB = 1.67 W/kg = 2.23 dBW/kg

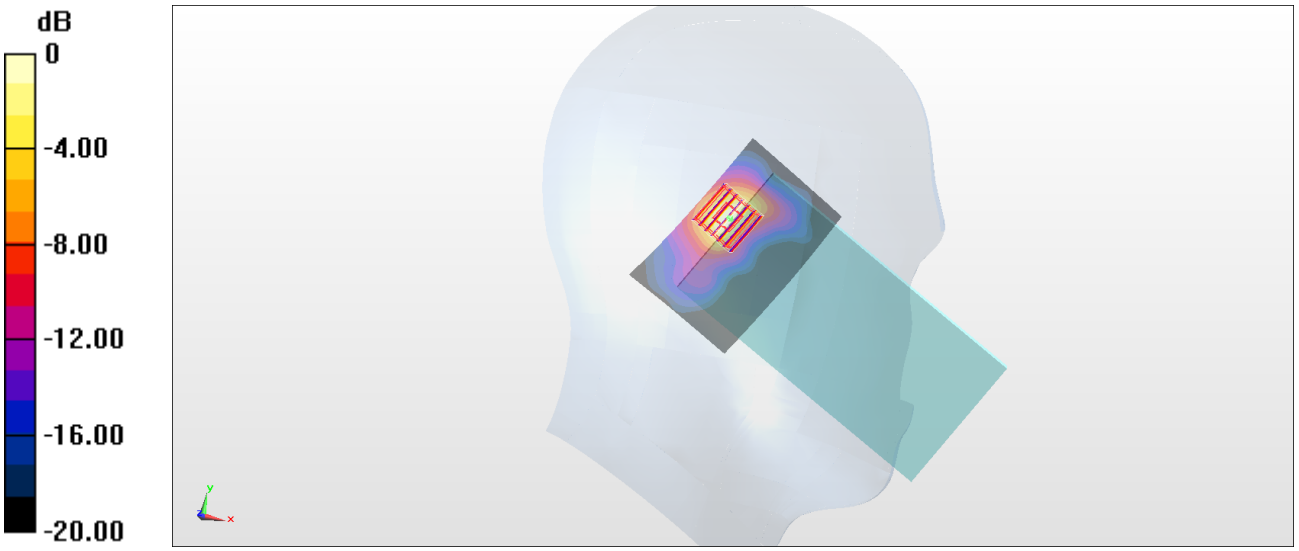
# #13_WLAN5GHz_802.11a 6Mbps_Left Tilted_Ch60

Communication System: 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1.142
Medium: HSL_5G_181116 Medium parameters used: f = 5300 MHz; $\sigma$ = 4.688 S/m; $\varepsilon_r$ = 35.801; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7375; ConvF(5.15, 5.15, 5.15); Calibrated: 2017/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**Area Scan (91x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.68 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.915 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.86 W/kg
**SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.222 W/kg**
Maximum value of SAR (measured) = 1.77 W/kg




0 dB = 1.68 W/kg = 2.25 dBW/kg

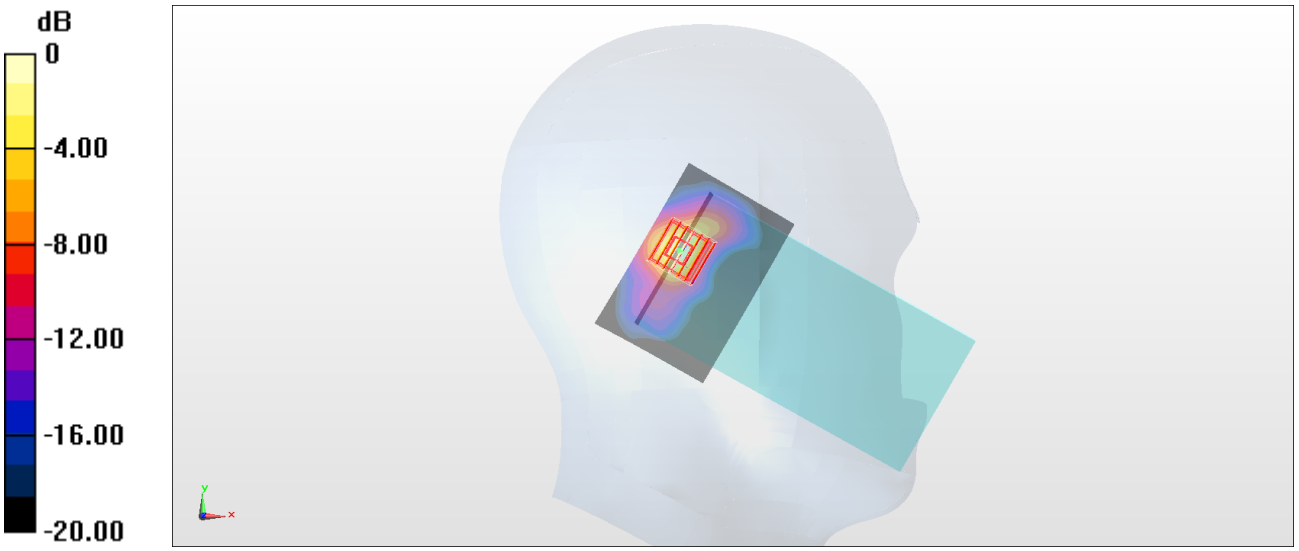
# #14_WLAN5GHz_802.11a 6Mbps_Left Tilted_Ch144

Communication System: 802.11a; Frequency: 5720 MHz;Duty Cycle: 1:1.142
Medium: HSL_5G_181116 Medium parameters used: f = 5720 MHz; $\sigma$ = 5.109 S/m; $\varepsilon_r$ = 35.215; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(4.89, 4.89, 4.89); Calibrated: 2018/5/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**Area Scan (91x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.942 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.160 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.41 W/kg
**SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.215 W/kg**
Maximum value of SAR (measured) = 1.965 W/kg




0 dB = 1.942 W/kg = 2.88 dBW/kg

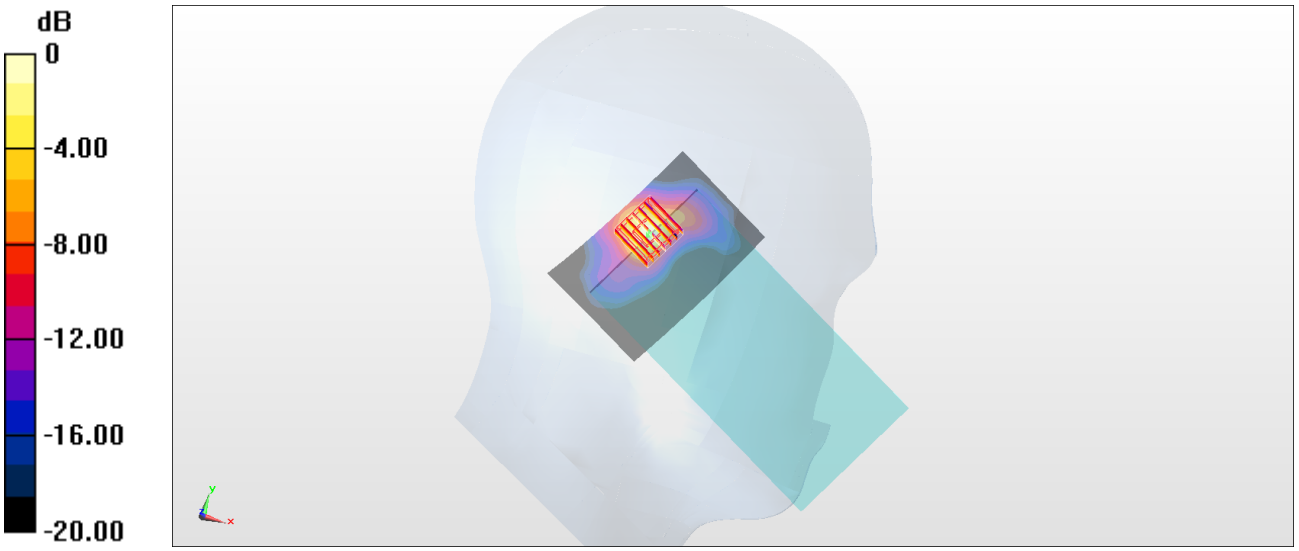
# #15_WLAN5GHz_802.11a 6Mbps_Left Tilted_Ch165

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.142
Medium: HSL_5G_181116 Medium parameters used: f = 5825 MHz; $\sigma$ = 5.219 S/m; $\varepsilon_r$ = 35.075; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(4.89, 4.89, 4.89); Calibrated: 2018/5/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**Area Scan (91x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.935 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.110 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.357 W/kg
**SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.2 W/kg**
Maximum value of SAR (measured) = 1.917 W/kg




0 dB = 1.935 W/kg = 2.87 dBW/kg

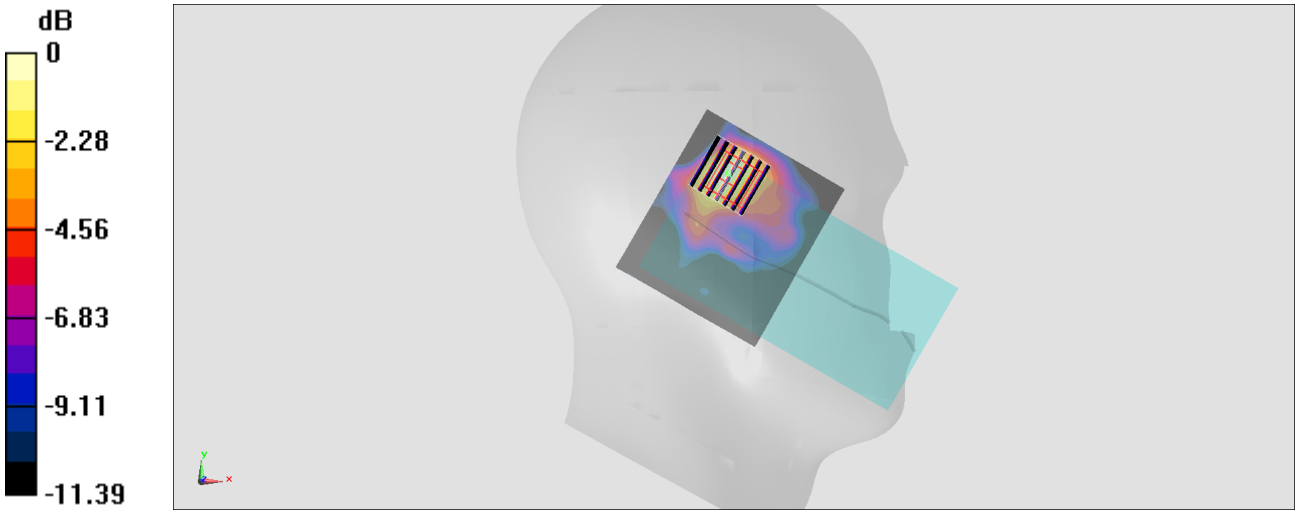
## #16_Bluetooth_1Mbps_Left Cheek_Ch00

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.297
Medium: HSL_2450_181116 Medium parameters used: f = 2402 MHz; $\sigma$ = 1.721 S/m; $\varepsilon_r$ = 39.545; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.42, 7.42, 7.42) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.234 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.003 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.300 W/kg
**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.229 W/kg




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

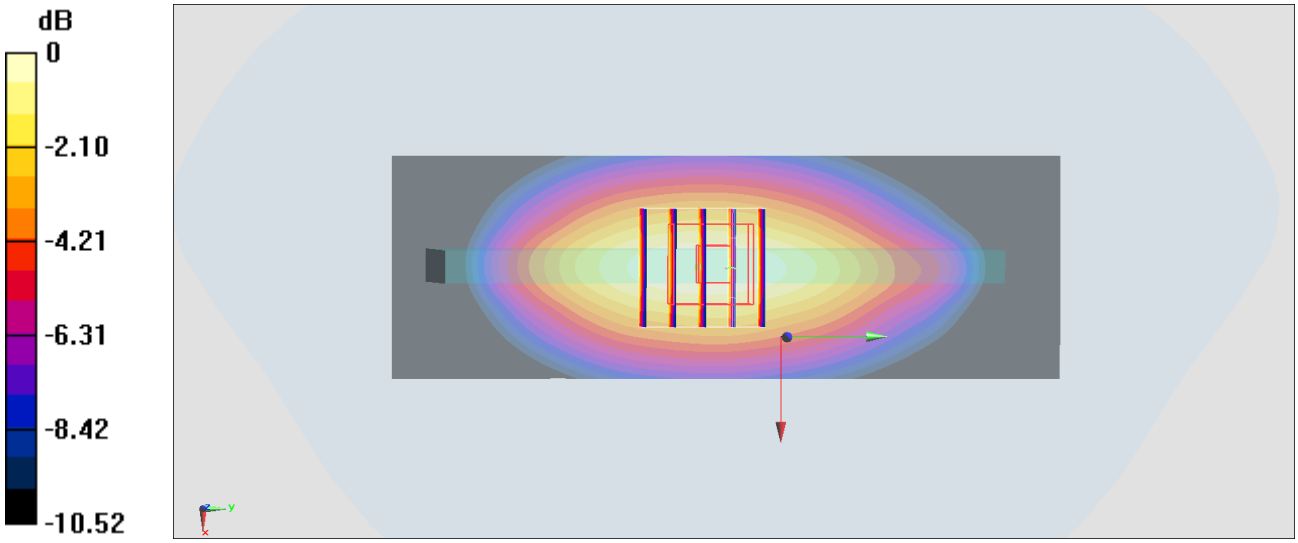
# #17_GSM850_GPRS (4 Tx slots)_Right Side_5mm_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:2.08
Medium: MSL_850_181030 Medium parameters used: f = 849 MHz; $\sigma$ = 1.005 S/m; $\varepsilon_r$ = 56.764; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(9.82, 9.82, 9.82) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.42 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.70 W/kg
**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.735 W/kg**
Maximum value of SAR (measured) = 1.48 W/kg




0 dB = 1.48 W/kg = 1.70 dBW/kg

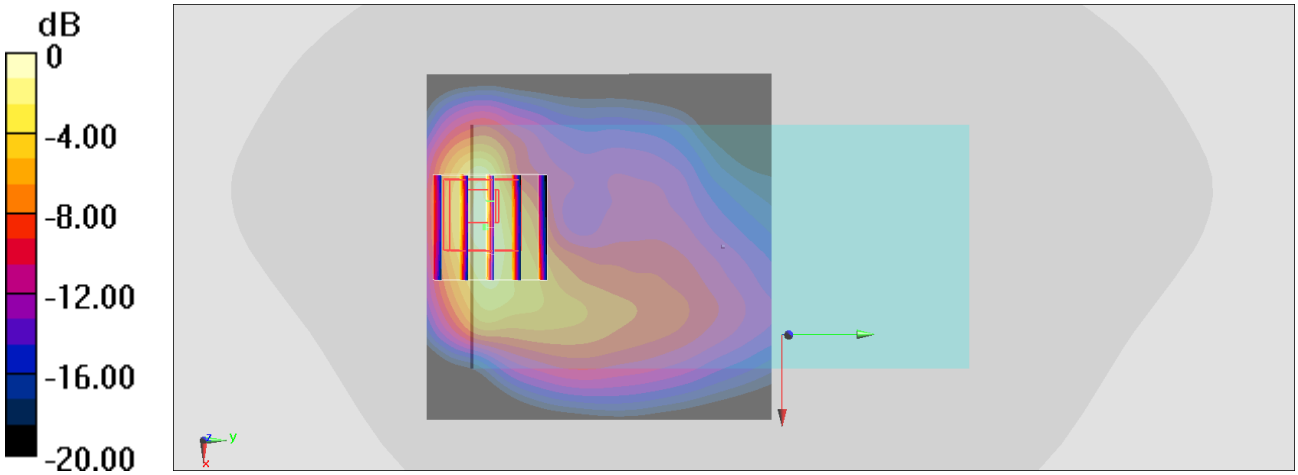
## #18_GSM1900_GPRS (4 Tx slots)_Back_5mm_Ch661

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_181114 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.539 S/m; $\varepsilon_r$ = 52.513; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.10 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.93 W/kg
**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.433 W/kg**
Maximum value of SAR (measured) = 1.55 W/kg




0 dB = 1.55 W/kg = 1.90 dBW/kg

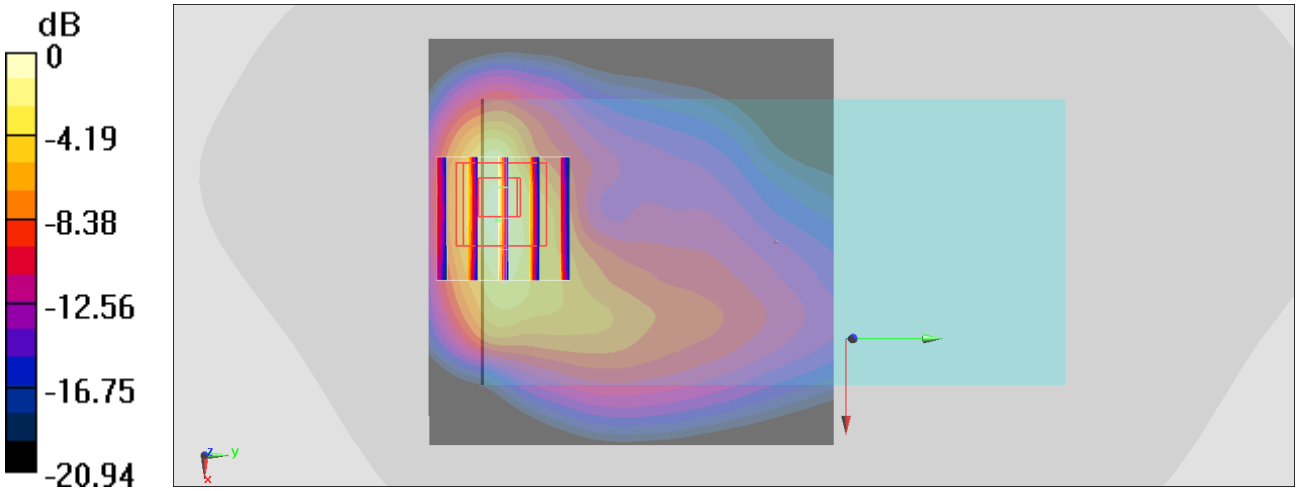
## #19_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181113 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.522 S/m; $\varepsilon_r$ = 52.69; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.58 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.38 W/kg
**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.543 W/kg**
Maximum value of SAR (measured) = 1.95 W/kg




0 dB = 1.95 W/kg = 2.90 dBW/kg

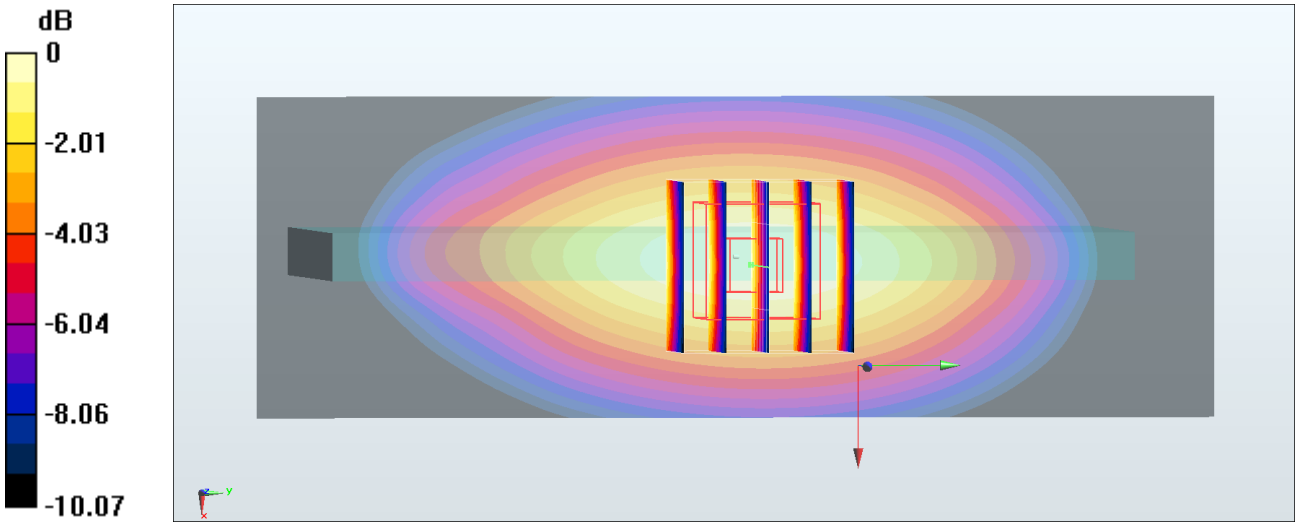
## #20_WCDMA V_RMC 12.2Kbps_Left Side_5mm_Ch4182

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_181102 Medium parameters used : f = 836.4 MHz; $\sigma$ = 0.941 S/m; $\varepsilon_r$ = 55.194; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7346;ConvF(9.95, 9.95, 9.95) ;Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.59 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.41 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.75 W/kg
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.799 W/kg**
Maximum value of SAR (measured) = 1.57 W/kg




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

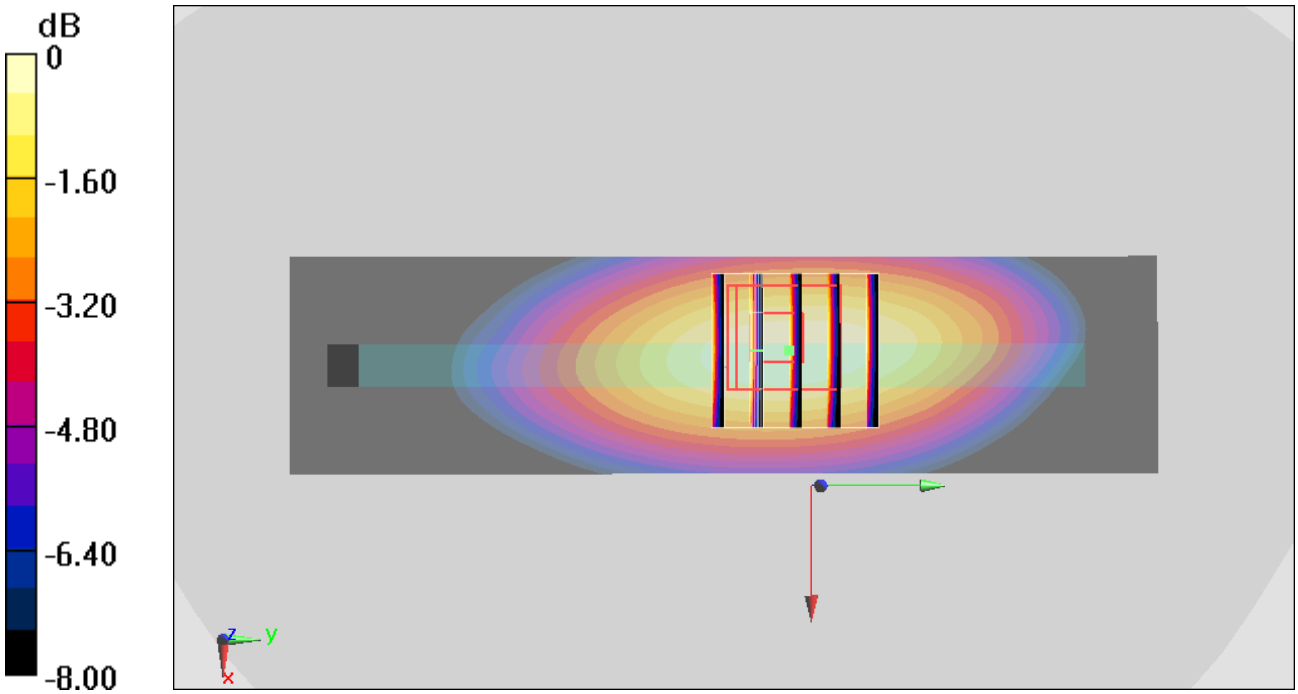
## #21_CDMA BC0_RTAP 153.6Kbps_Left Side_5mm_Ch1013

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_181112 Medium parameters used: f = 825 MHz; $\sigma$ = 0.932 S/m; $\varepsilon_r$ = 54.453; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.99, 9.99, 9.99) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (31x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 37.46 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.40 W/kg
**SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.617 W/kg**
Maximum value of SAR (measured) = 1.21 W/kg




0 dB = 1.21 W/kg = 0.83 dBW/kg

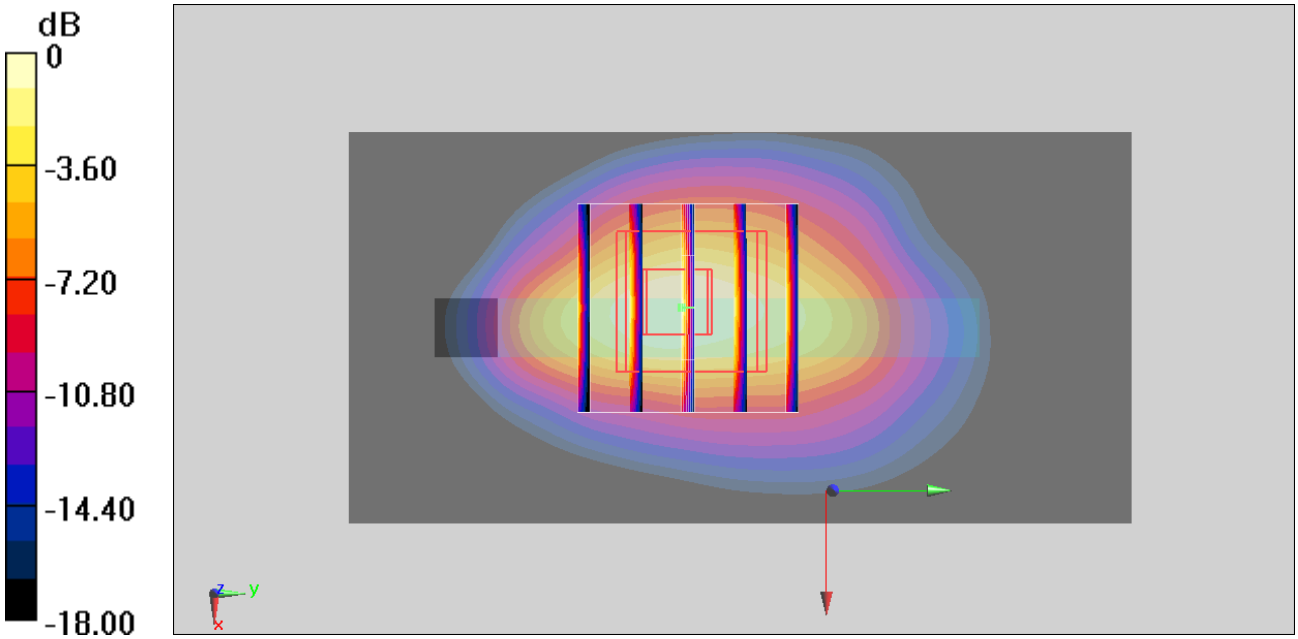
## #22_CDMA BC1_RTAP 153.6Kbps_Bottom Side_5mm_Ch25

Communication System: CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181114 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.51 S/m; $\varepsilon_r$ = 52.621; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.13 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.30 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.35 W/kg
**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.616 W/kg**
Maximum value of SAR (measured) = 1.94 W/kg




0 dB = 1.94 W/kg = 2.88 dBW/kg

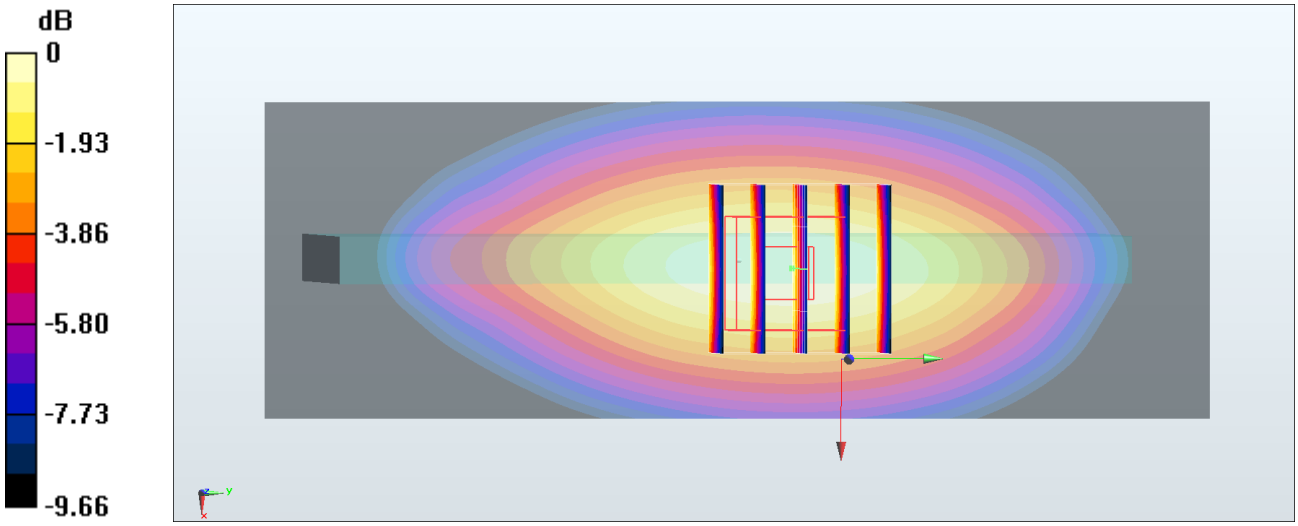
# #23_CDMA BC10_RTAP 153.6Kbps_Left Side_5mm_Ch476

Communication System: CDMA ; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: MSL_850_181102 Medium parameters used: f = 818 MHz; $\sigma$ = 0.923 S/m; $\varepsilon_r$ = 55.373; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7346;ConvF(9.95, 9.95, 9.95) ;Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.89 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.36 W/kg
**SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.633 W/kg**
Maximum value of SAR (measured) = 1.22 W/kg




0 dB = 1.22 W/kg = 0.86 dBW/kg

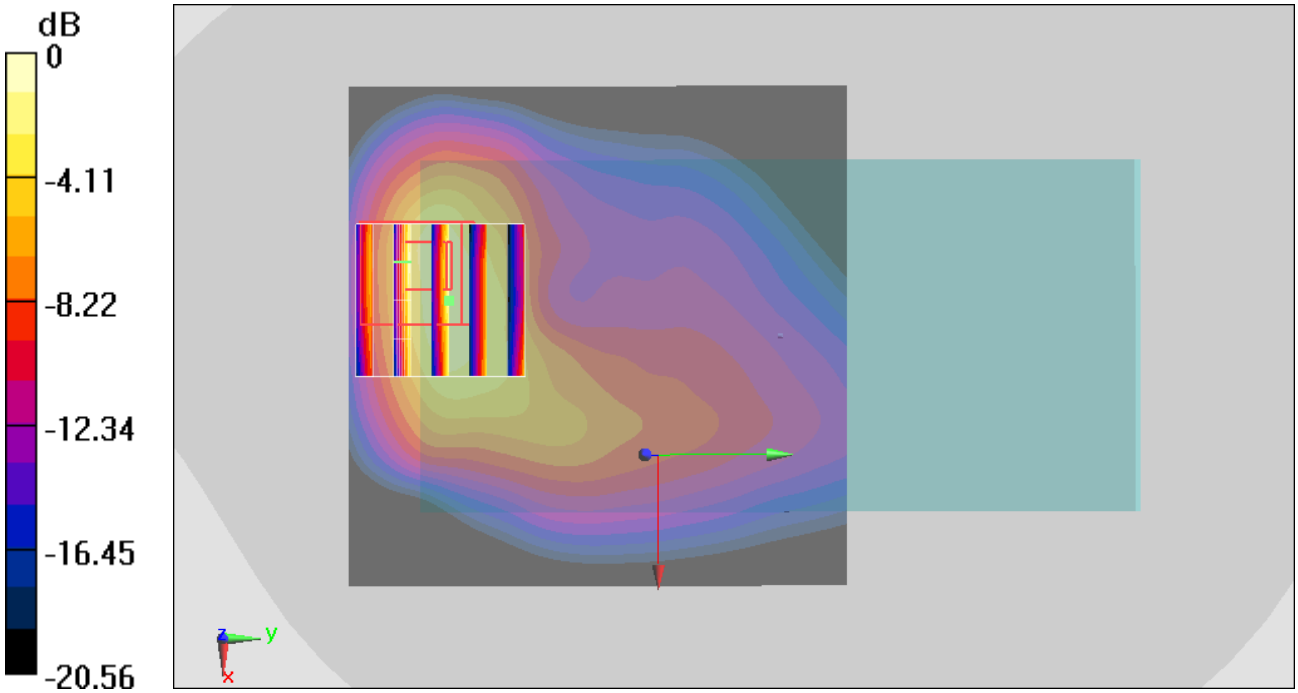
## #24_LTE Band 2_20M_QPSK_100_0_Back_5mm_Ch18700

Communication System: LTE ; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181113 Medium parameters used: f = 1860 MHz; $\sigma$ = 1.53 S/m; $\varepsilon_r$ = 52.668; $\rho$ = 1000kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.04 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.14 W/kg
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.481 W/kg**
Maximum value of SAR (measured) = 1.50 W/kg




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

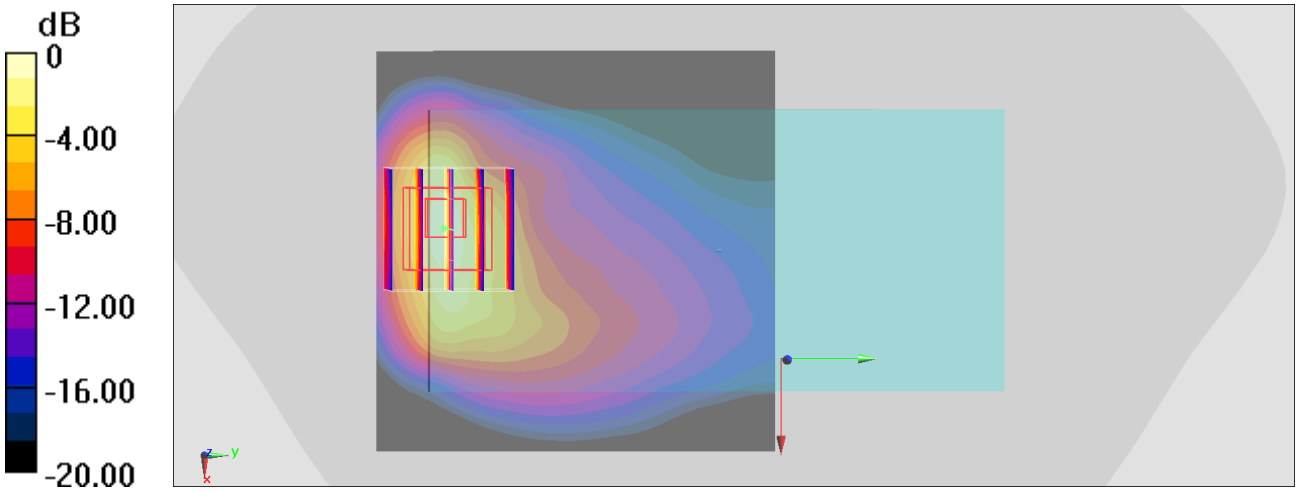
## #25_LTE Band 4_20M_QPSK_50_0_Back_5mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_181113 Medium parameters used: f = 1733 MHz; $\sigma$ = 1.499 S/m; $\varepsilon_r$ = 54.116; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(8.2, 8.2, 8.2) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.81 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 2.18 W/kg
**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.563 W/kg**
Maximum value of SAR (measured) = 1.78 W/kg




0 dB = 1.78 W/kg = 2.50 dBW/kg

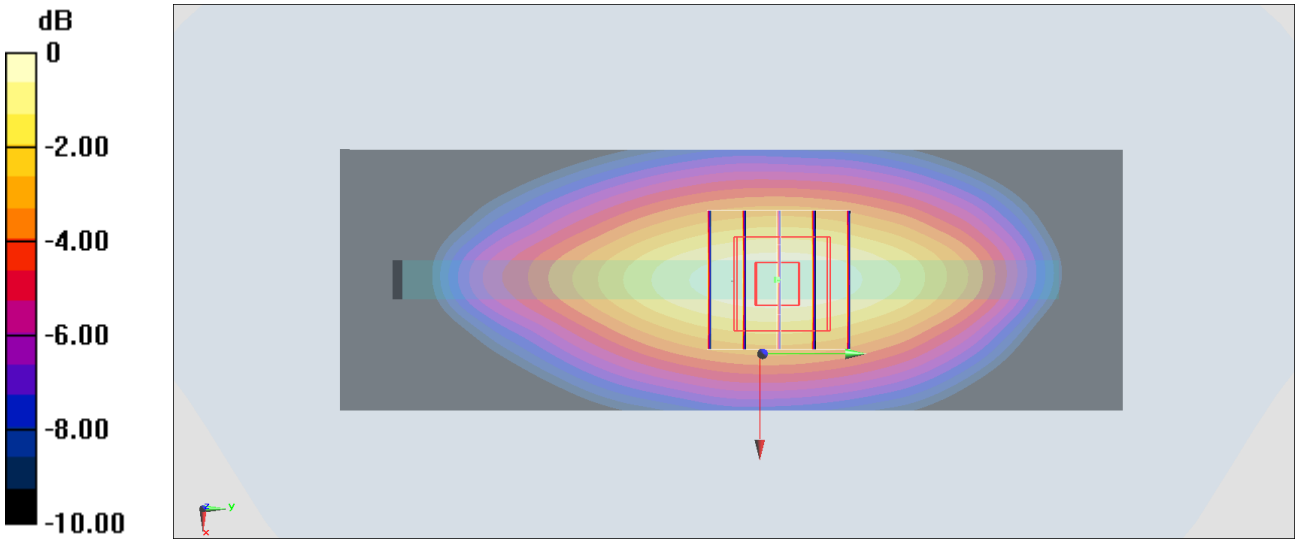
## #26_LTE Band 5_10M_QPSK_1_0_Left Side_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_181030 Medium parameters used : f = 836.5 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 56.81; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(9.82, 9.82, 9.82) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x121x1):** 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 = 38.93 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.71 W/kg
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.739 W/kg**
Maximum value of SAR (measured) = 1.50 W/kg




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

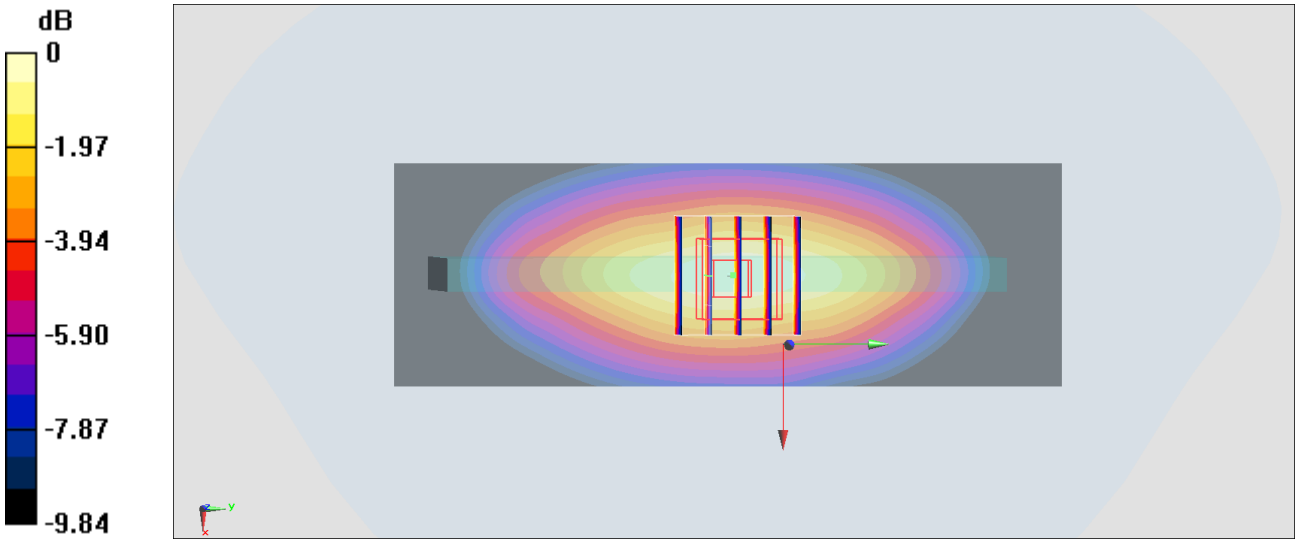
## #27_LTE Band 13_10M_QPSK_1_0_Left Side_5mm_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_181030 Medium parameters used: f = 782 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 53.701; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(10.06, 10.06, 10.06) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.87 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.72 W/kg
**SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.748 W/kg**
Maximum value of SAR (measured) = 1.50 W/kg




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

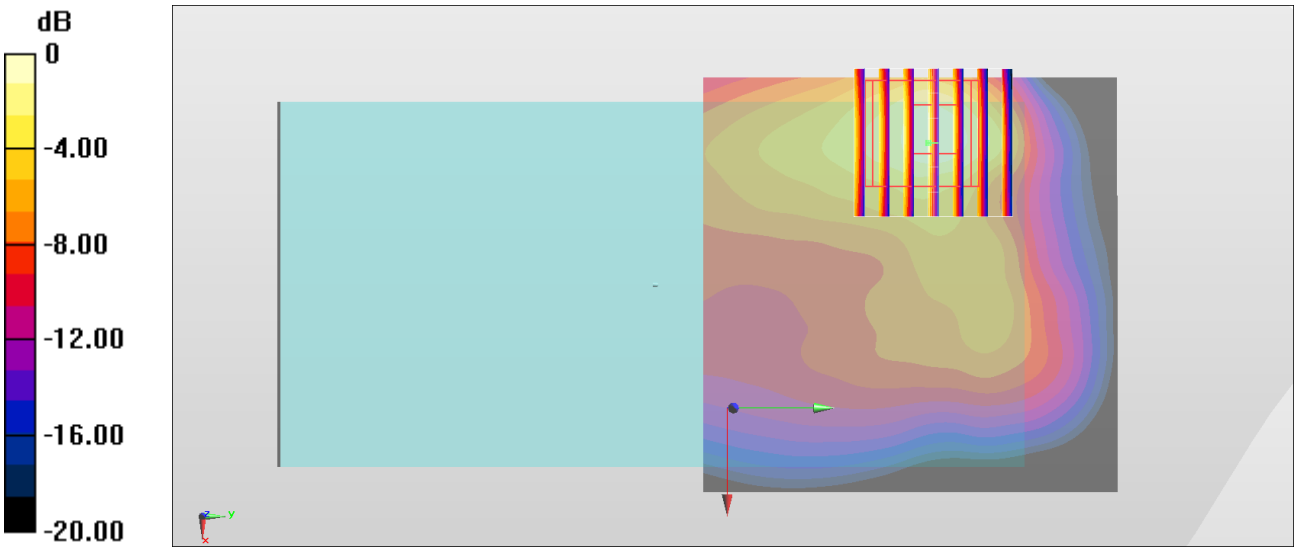
## #28_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_181116 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.979 S/m; $\varepsilon_r$ = 52.565; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

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: 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 (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.61 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.42 W/kg
**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.286 W/kg**
Maximum value of SAR (measured) = 1.04 W/kg




0 dB = 1.14 W/kg = 0.57 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.28

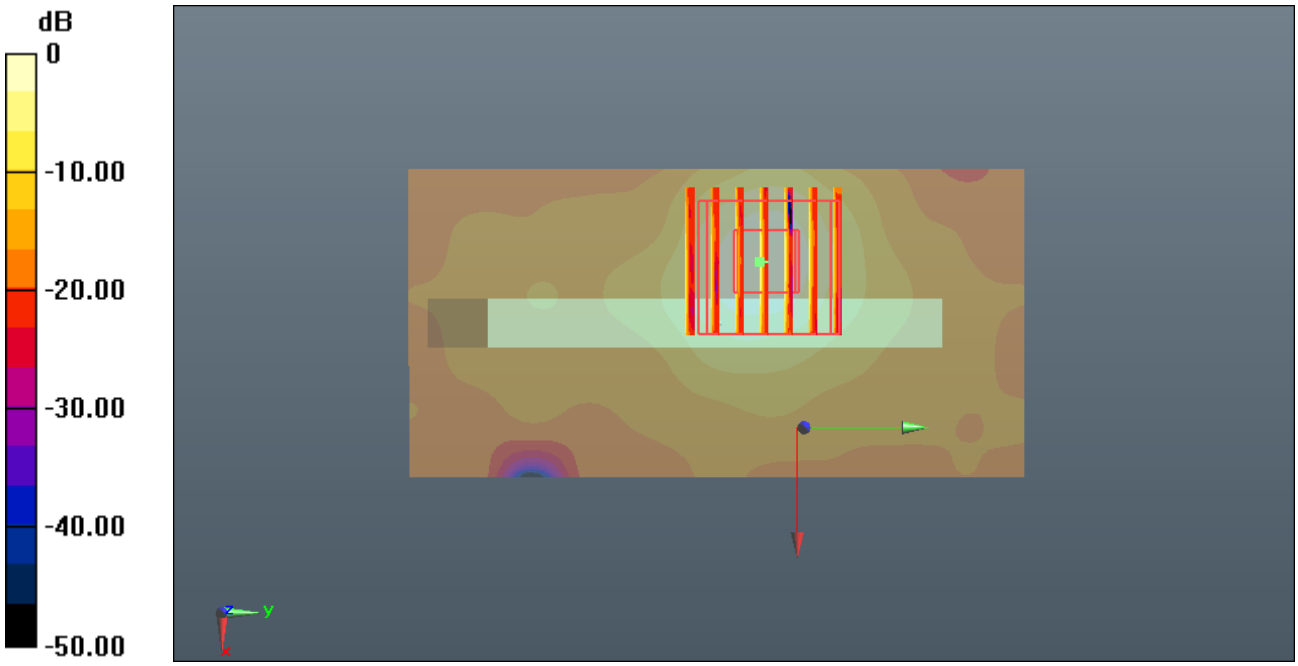
**#29_WLAN5G_802.11a 6Mbps_Top Side_5mm_Ch165**

Communication System: UID 0, 802.11a (0); Frequency: 5825 MHz;Duty Cycle: 1:1.142
Medium: MSL_5000 Medium parameters used: f = 5825 MHz; $\sigma$ = 6.286 S/m; $\varepsilon_r$ = 48.608; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2018.5.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.10 (7372)

**Ch165/Area Scan (51x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.55 W/kg

**Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.85 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.01 W/kg
**SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.264 W/kg**
Maximum value of SAR (measured) = 2.68 W/kg




0 dB = 2.55 W/kg = 4.07 dBW/kg

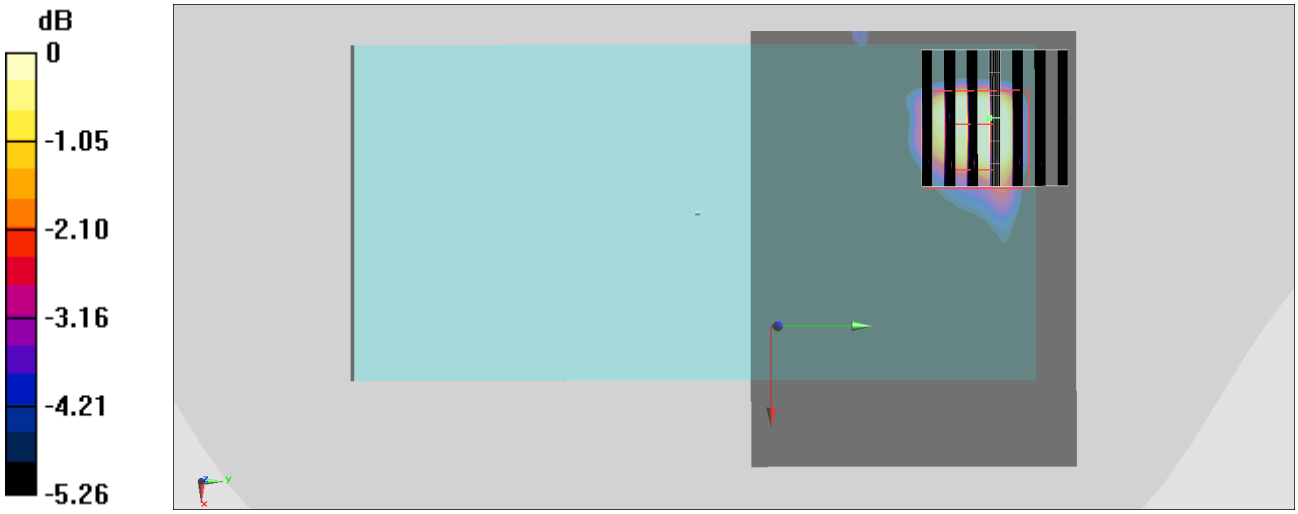
## #30_Bluetooth_1Mbps_Back_5mm_Ch00

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.297
Medium: MSL_2450_181116 Medium parameters used: f = 2402 MHz; $\sigma$ = 1.901 S/m; $\varepsilon_r$ = 52.647; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

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: 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 (81x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.197 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.572 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.292 W/kg
**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.026 W/kg**
Maximum value of SAR (measured) = 0.159 W/kg




0 dB = 0.159 W/kg = -7.99 dBW/kg

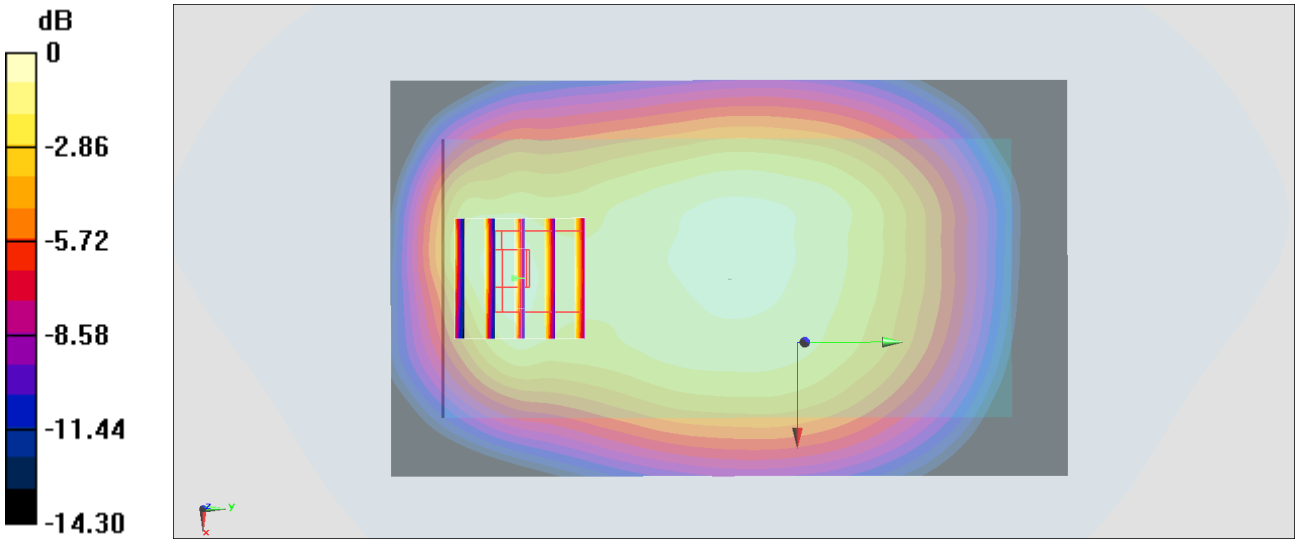
## #31_GSM850_GPRS (4 Tx slots)_Back_5mm_Ch189

Communication System: GSM850 ; Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: MSL_850_181030 Medium parameters used : f = 836.4 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 56.801; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(9.82, 9.82, 9.82) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- 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) = 0.920 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.46 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.25 W/kg
**SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.484 W/kg**
Maximum value of SAR (measured) = 0.982 W/kg




0 dB = 0.982 W/kg = -0.08 dBW/kg

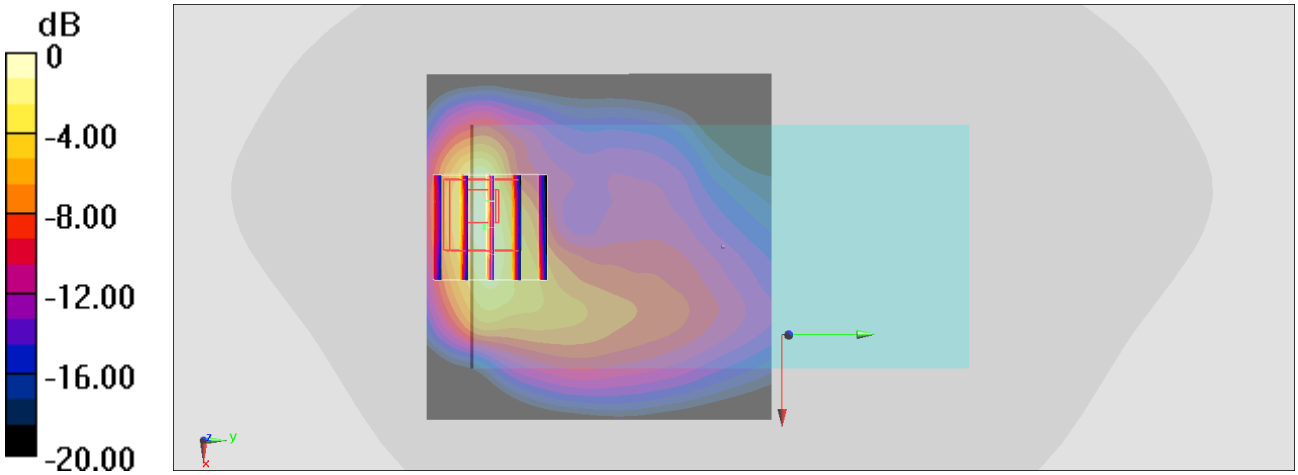
## #32_GSM1900_GPRS (4 Tx slots)_Back_5mm_Ch661

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_181114 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.539 S/m; $\varepsilon_r$ = 52.513; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.10 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.93 W/kg
**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.433 W/kg**
Maximum value of SAR (measured) = 1.55 W/kg




0 dB = 1.55 W/kg = 1.90 dBW/kg

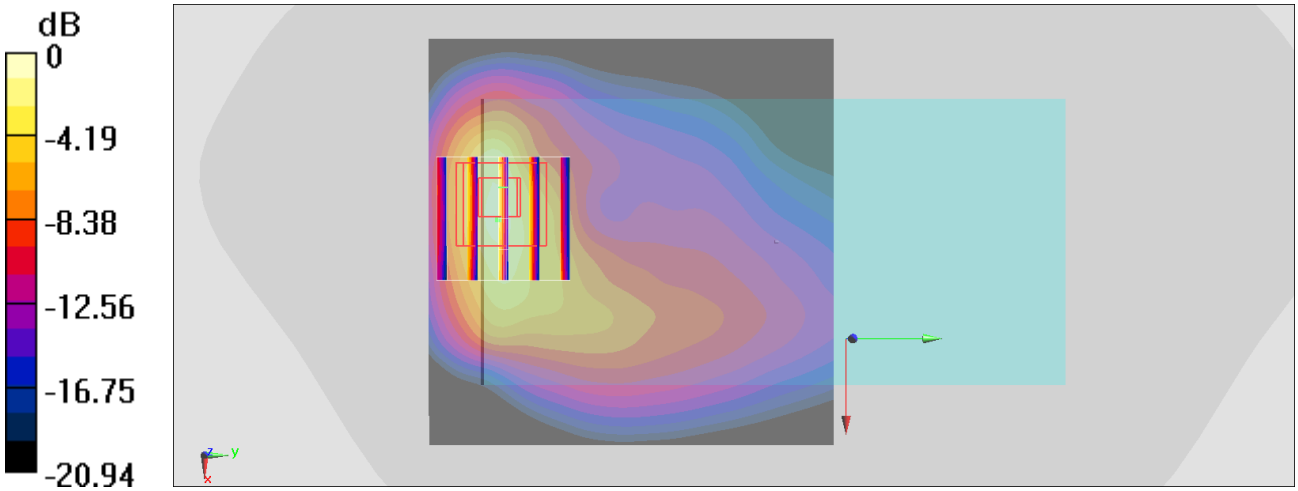
## #33_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181113 Medium parameters used: f = 1852.4 MHz; $\sigma$ = 1.522 S/m; $\varepsilon_r$ = 52.69; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.58 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.38 W/kg
**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.543 W/kg**
Maximum value of SAR (measured) = 1.95 W/kg




0 dB = 1.95 W/kg = 2.90 dBW/kg

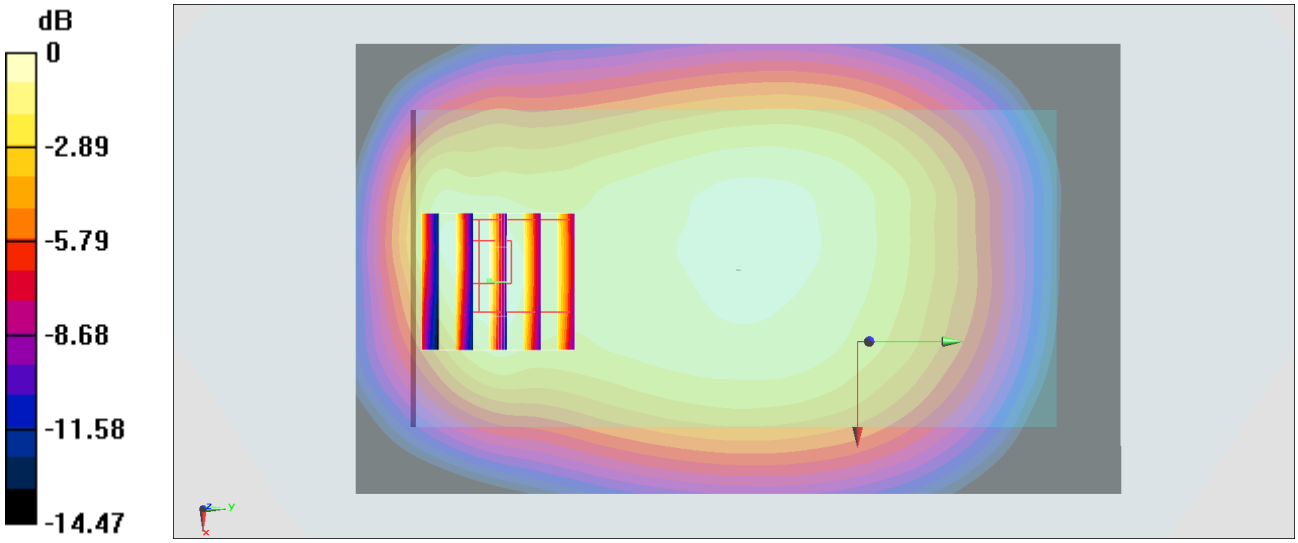
## #34_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4182

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_181030 Medium parameters used : f = 836.4 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 56.801; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(9.82, 9.82, 9.82) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- 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) = 1.16 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.03 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.50 W/kg
**SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.590 W/kg**
Maximum value of SAR (measured) = 1.19 W/kg




0 dB = 1.19 W/kg = 0.76 dBW/kg

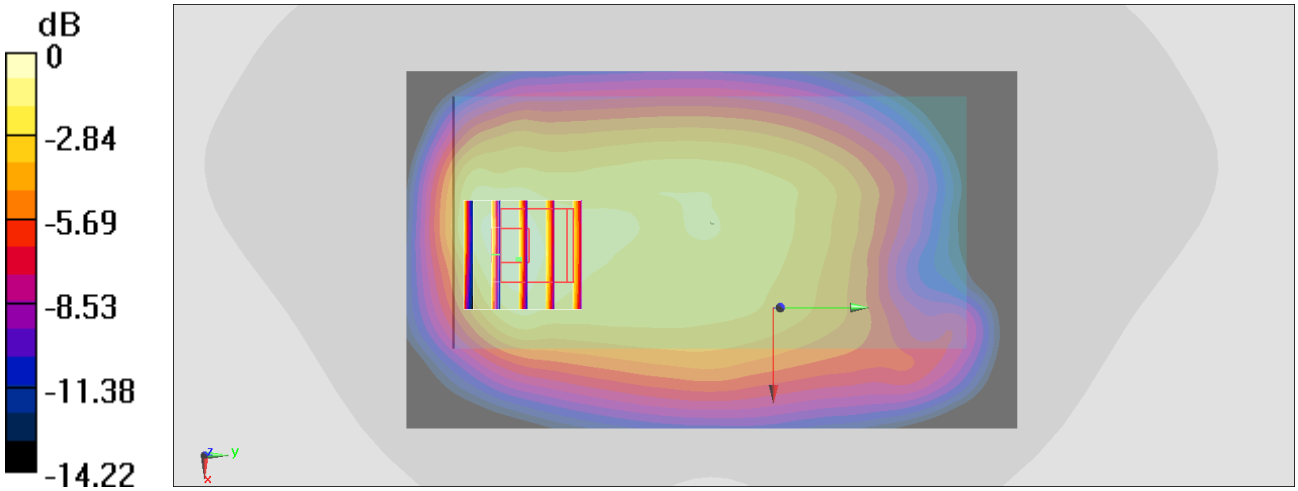
# #35_CDMA BC0_1xRTT RC3 SO32_Back_5mm_Ch777

Communication System: UID 0, CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_181114 Medium parameters used: f = 848.31 MHz; $\sigma$ = 0.963 S/m; $\varepsilon_r$ = 54.432; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.99, 9.99, 9.99) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.05 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.47 W/kg
**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.600 W/kg**
Maximum value of SAR (measured) = 1.20 W/kg




0 dB = 1.20 W/kg = 0.79 dBW/kg

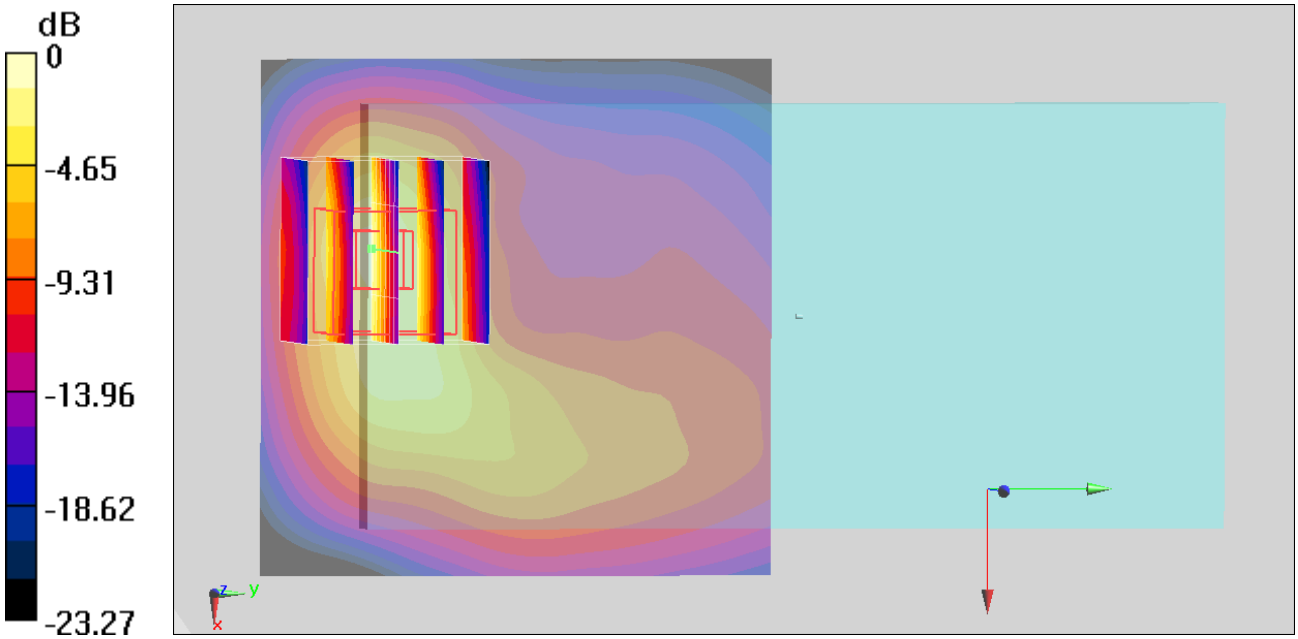
# #36_CDMA BC1_1xRTT RC3 SO32_Back_5mm_Ch25

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181114 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.51 S/m; $\varepsilon_r$ = 52.621; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.294 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.19 W/kg
**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.510 W/kg**
Maximum value of SAR (measured) = 1.75 W/kg




0 dB = 1.75 W/kg = 2.43 dBW/kg

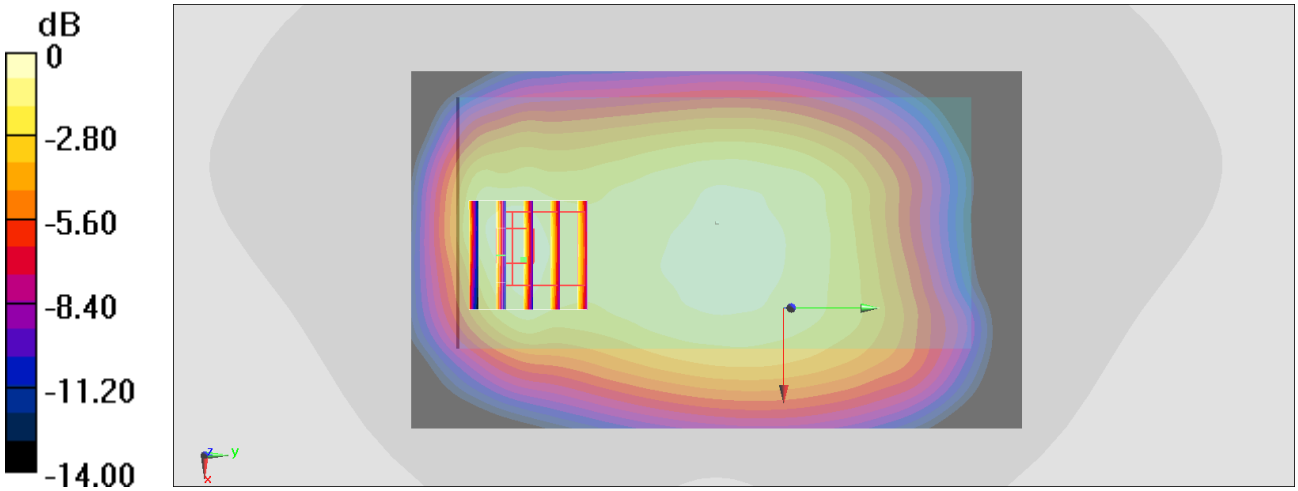
# #37_CDMA BC10_1xRTT RC3 SO32s_Back_5mm_Ch684

Communication System: CDMA ; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: MSL_850_181114 Medium parameters used: f = 823.1 MHz; $\sigma$ = 0.94 S/m; $\varepsilon_r$ = 54.682; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.99, 9.99, 9.99) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x121x1):** 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 = 32.84 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.27 W/kg
**SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.529 W/kg**
Maximum value of SAR (measured) = 1.05 W/kg




0 dB = 1.05 W/kg = 0.21 dBW/kg

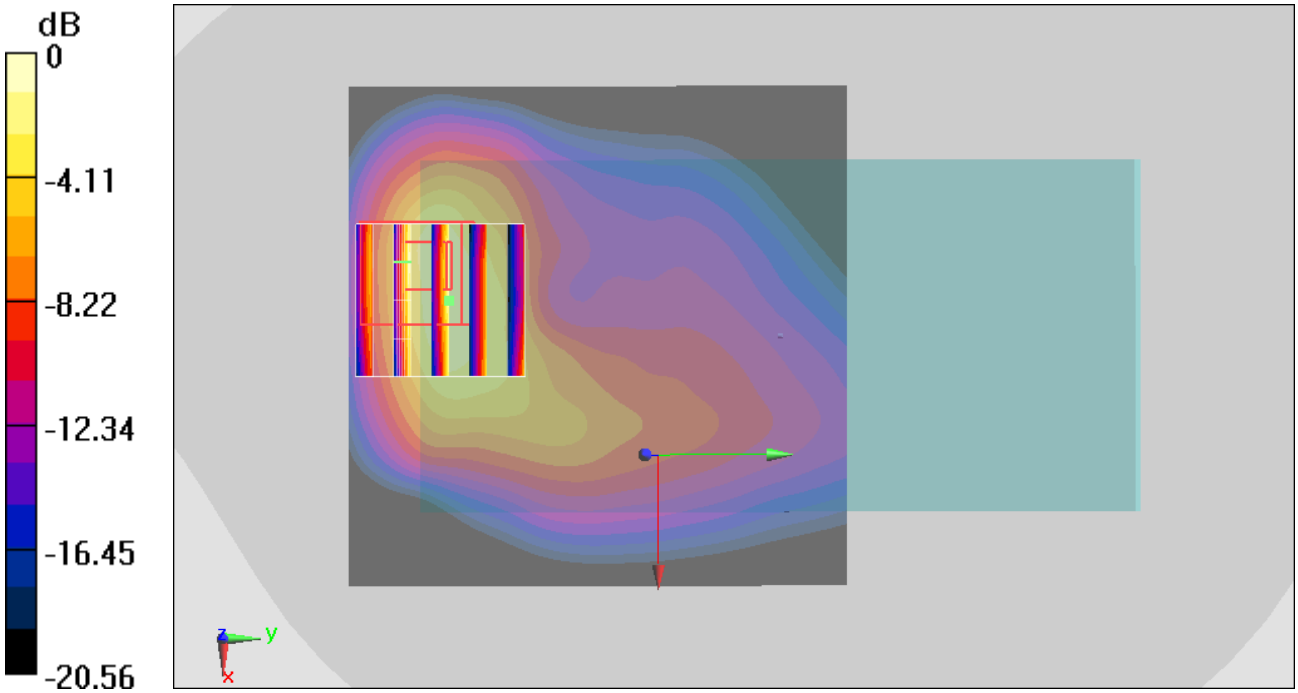
## #38_LTE Band 2_20M_QPSK_100_0_Back_5mm_Ch18700

Communication System: LTE ; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181113 Medium parameters used: f = 1860 MHz; $\sigma$ = 1.53 S/m; $\varepsilon_r$ = 52.668; $\rho$ = $1000_{kg/m^3}$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(7.93, 7.93, 7.93) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.04 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.14 W/kg
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.481 W/kg**
Maximum value of SAR (measured) = 1.50 W/kg




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

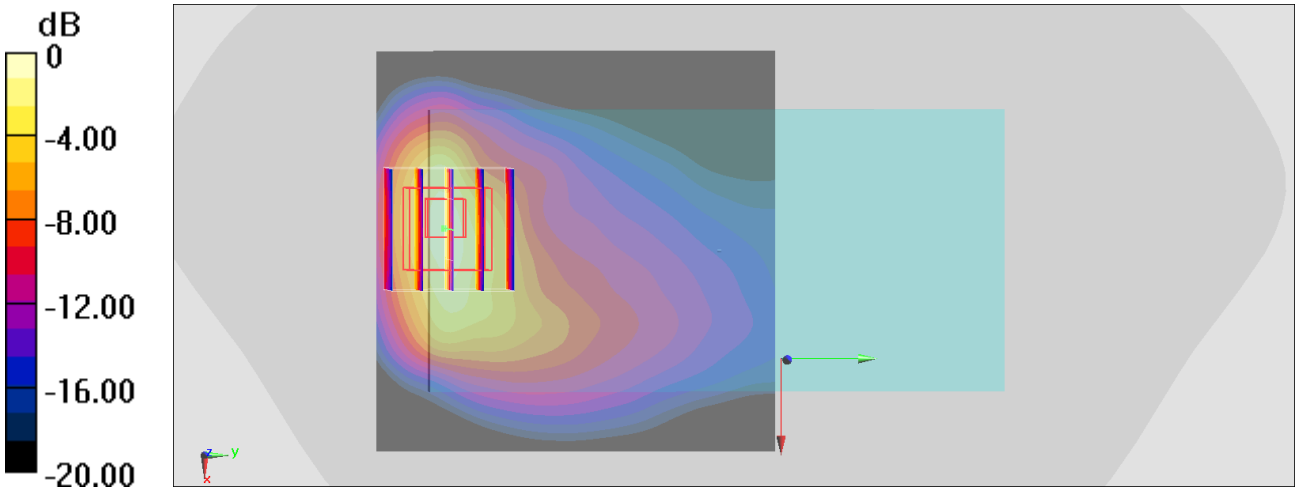
## #39_LTE Band 4_20M_QPSK_50_0_Back_5mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_181113 Medium parameters used: f = 1733 MHz; $\sigma$ = 1.499 S/m; $\varepsilon_r$ = 54.116; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(8.2, 8.2, 8.2) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.81 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 2.18 W/kg
**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.563 W/kg**
Maximum value of SAR (measured) = 1.78 W/kg




0 dB = 1.78 W/kg = 2.50 dBW/kg

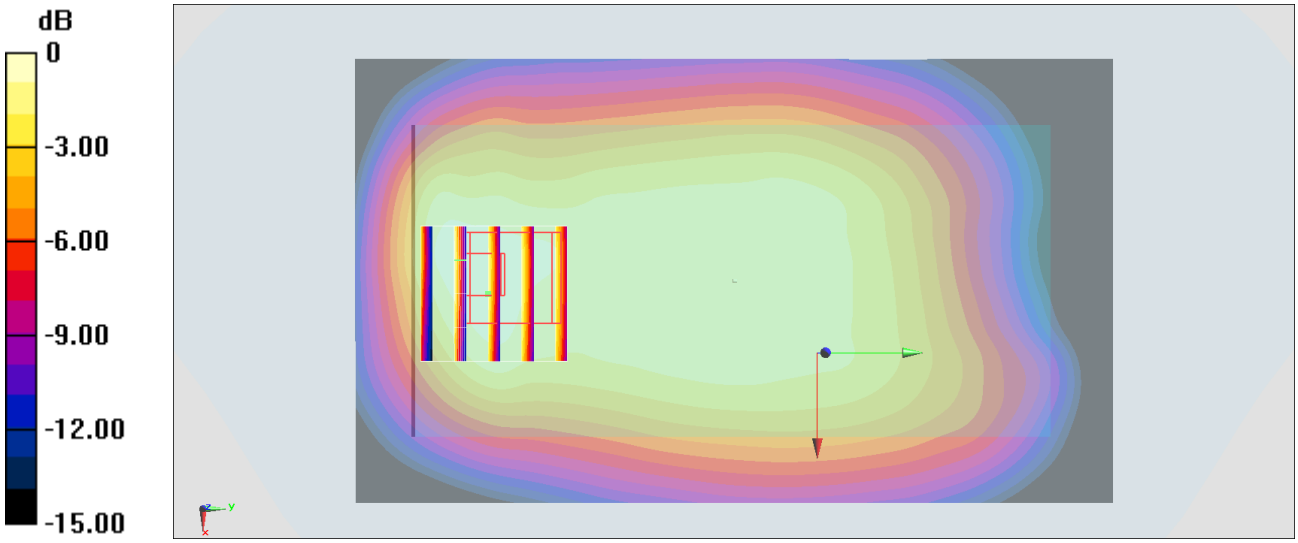
## #40_LTE Band 5_10M_QPSK_1_0_Back_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_181030 Medium parameters used: f = 836.5 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 56.81; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(9.82, 9.82, 9.82) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- 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) = 1.17 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.10 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.54 W/kg
**SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.610 W/kg**
Maximum value of SAR (measured) = 1.22 W/kg




0 dB = 1.22 W/kg = 0.86 dBW/kg

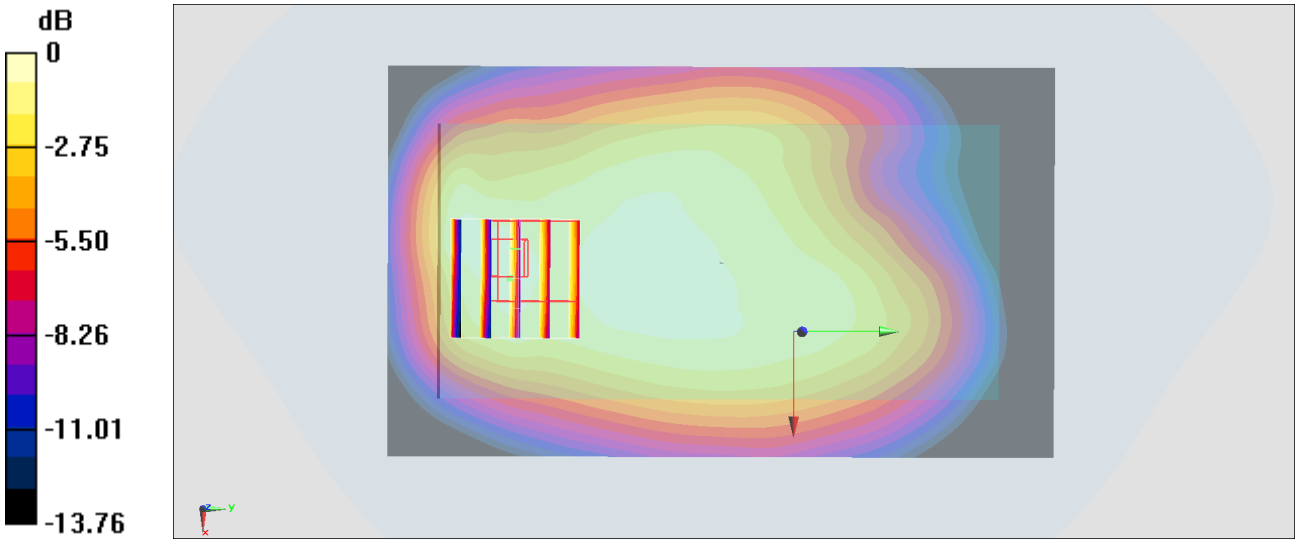
## #41_LTE Band 13_10M_QPSK_1_0_Back_5mm_Ch23230

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_181030 Medium parameters used: f = 782 MHz; $\sigma$ = 0.996 S/m; $\varepsilon_r$ = 53.701; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(10.06, 10.06, 10.06) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- 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) = 0.944 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.03 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.25 W/kg
**SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.571 W/kg**
Maximum value of SAR (measured) = 1.04 W/kg




0 dB = 1.04 W/kg = 0.17 dBW/kg

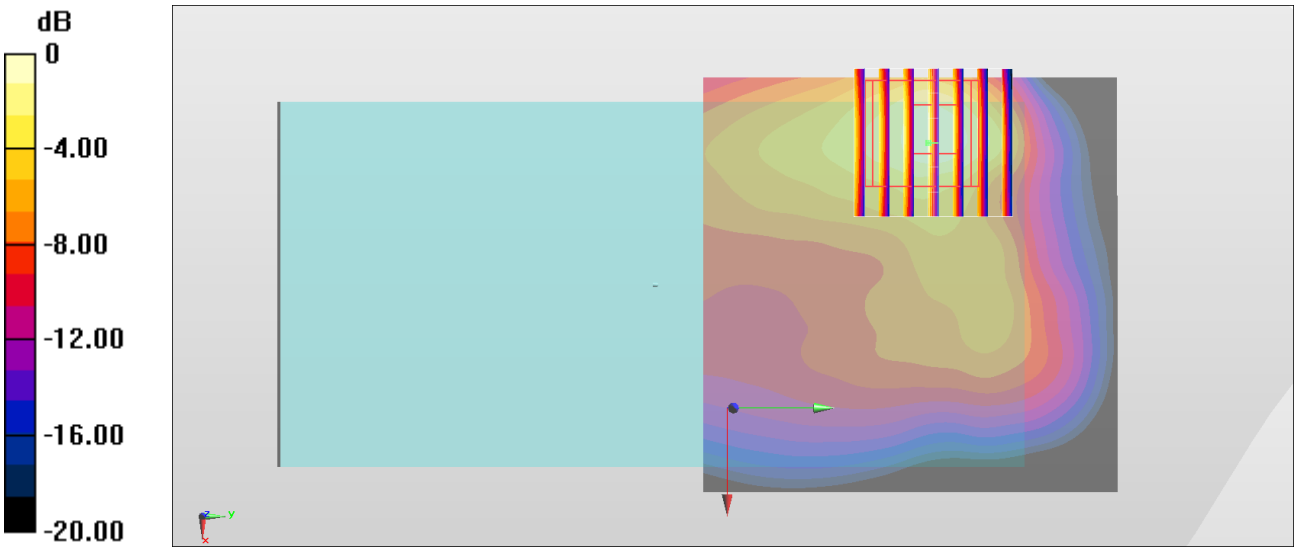
## #42_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_181116 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.979 S/m; $\varepsilon_r$ = 52.565; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

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: 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 (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.61 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.42 W/kg
**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.286 W/kg**
Maximum value of SAR (measured) = 1.04 W/kg




0 dB = 1.14 W/kg = 0.57 dBW/kg

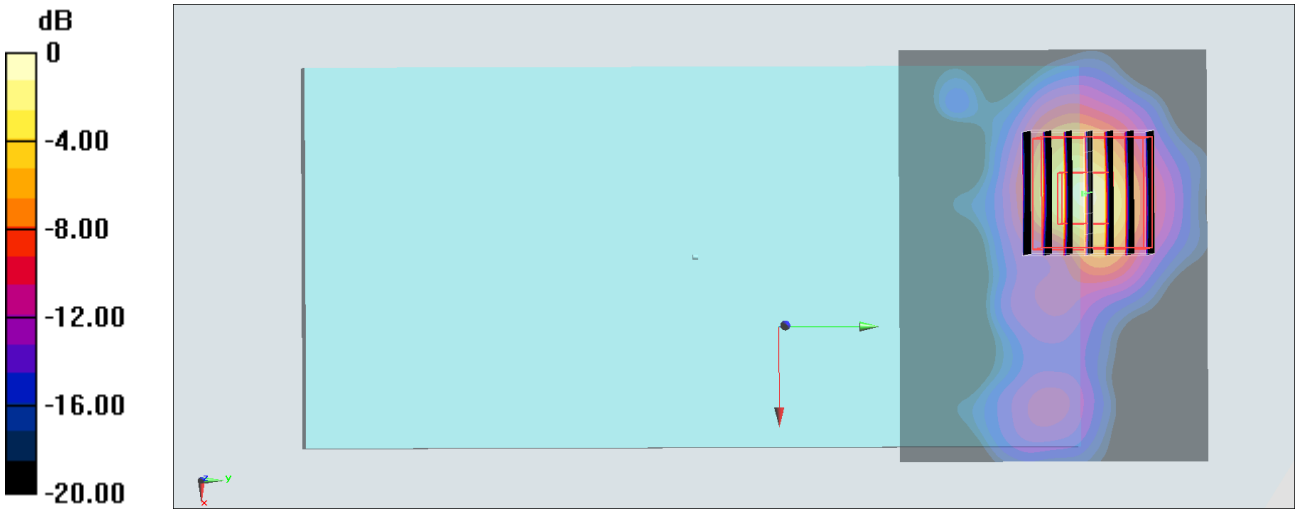
# #43_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch64

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.142
Medium: MSL_5G_181116 Medium parameters used: f = 5320 MHz; $\sigma$ = 5.49 S/m; $\varepsilon_r$ = 48.921; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.37 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.24 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 5.08 W/kg
**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.280 W/kg**
Maximum value of SAR (measured) = 2.95 W/kg




0 dB = 2.95 W/kg = 4.70 dBW/kg

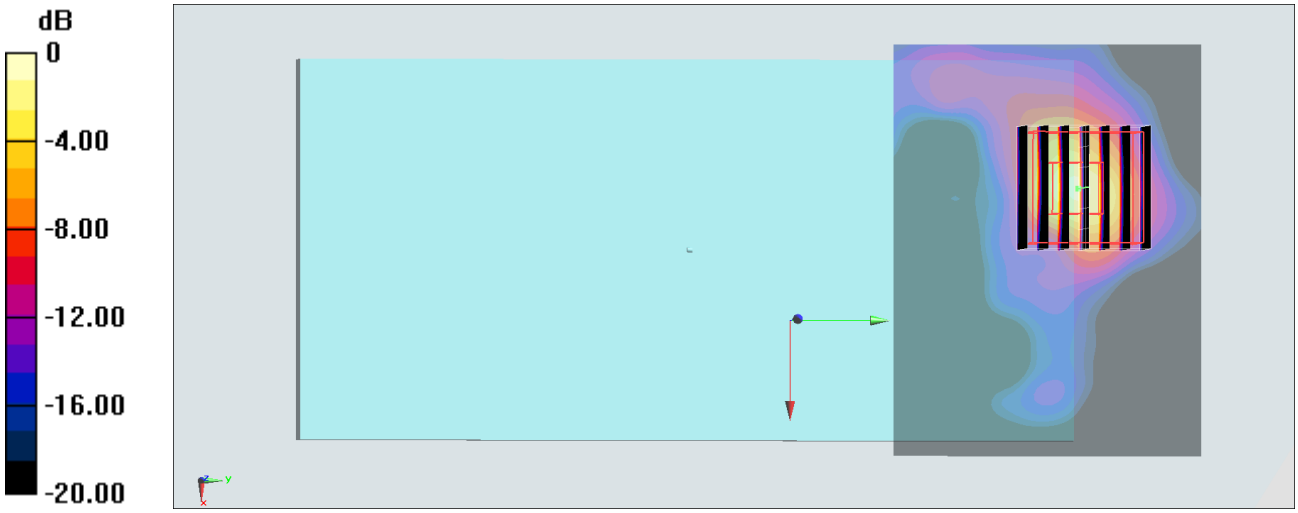
# #44_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch100

Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.142
Medium: MSL_5G_181116 Medium parameters used: f = 5500 MHz; $\sigma$ = 5.688 S/m; $\varepsilon_r$ = 48.672; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306; ConvF(4.03, 4.03, 4.03) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.30 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.14 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 4.94 W/kg
**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.244 W/kg**
Maximum value of SAR (measured) = 2.80 W/kg




0 dB = 2.80 W/kg = 4.47 dBW/kg

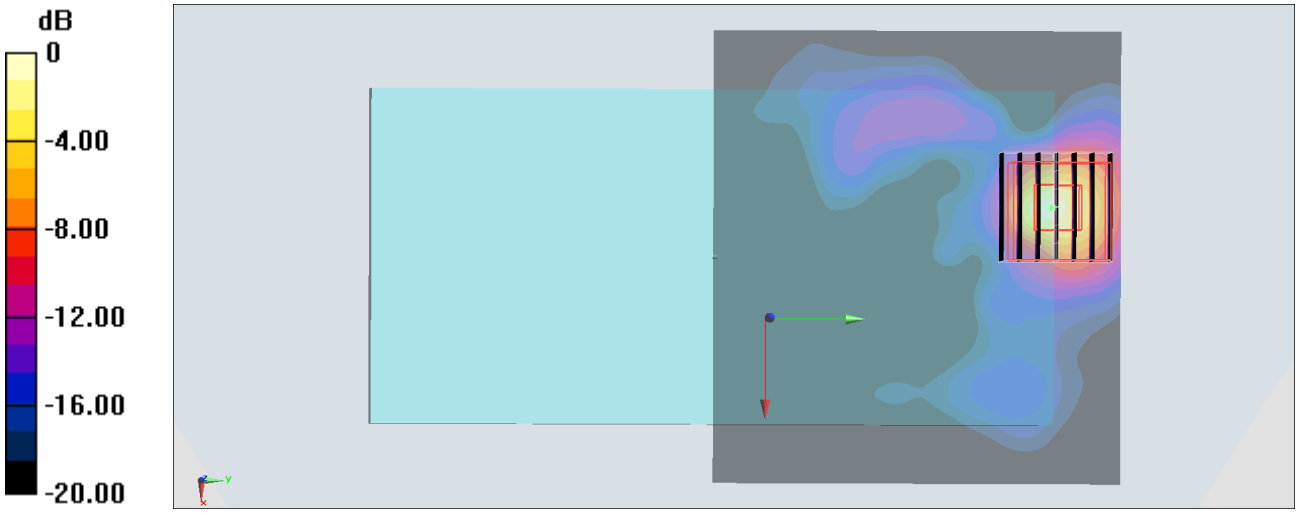
# #45_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch165

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.142
Medium: MSL_5G_181116 Medium parameters used : f = 5825 MHz; $\sigma$ = 6.037 S/m; $\varepsilon_r$ = 48.223; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306; ConvF(4.37, 4.37, 4.37) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- 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) = 1.76 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.288 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 4.24 W/kg
**SAR(1 g) = 0.94 W/kg; SAR(10 g) = 0.174 W/kg**
Maximum value of SAR (measured) = 2.12 W/kg




0 dB = 2.12 W/kg = 3.26 dBW/kg

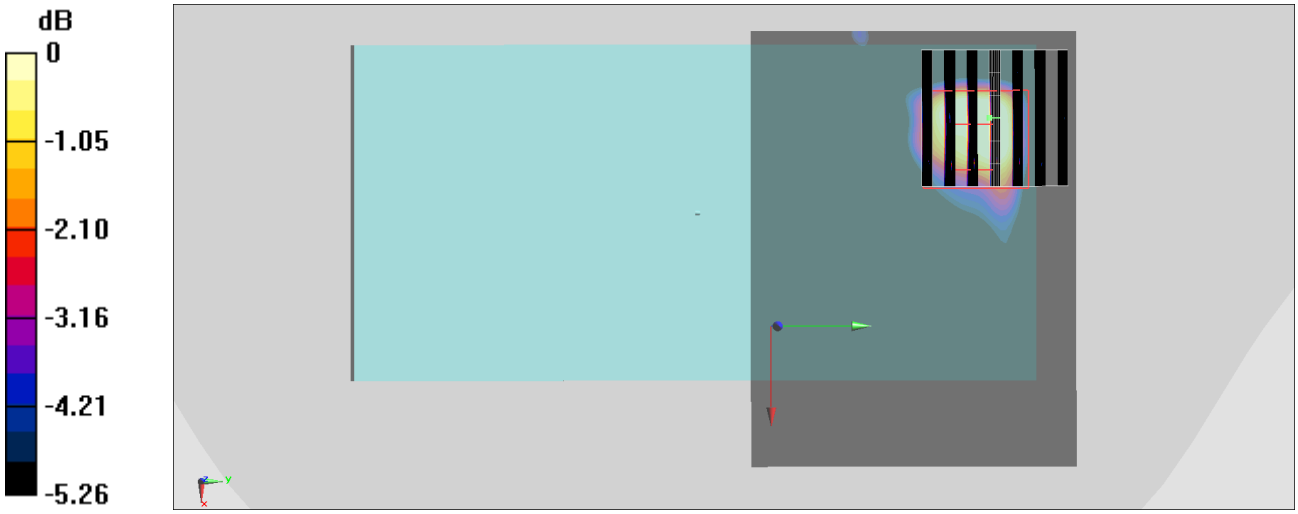
## #46_Bluetooth_1Mbps_Back_5mm_Ch00

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.297
Medium: MSL_2450_181116 Medium parameters used: f = 2402 MHz; $\sigma$ = 1.901 S/m; $\varepsilon_r$ = 52.647; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

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: 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 (81x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.197 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.572 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.292 W/kg
**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.026 W/kg**
Maximum value of SAR (measured) = 0.159 W/kg




0 dB = 0.159 W/kg = -7.99 dBW/kg