Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

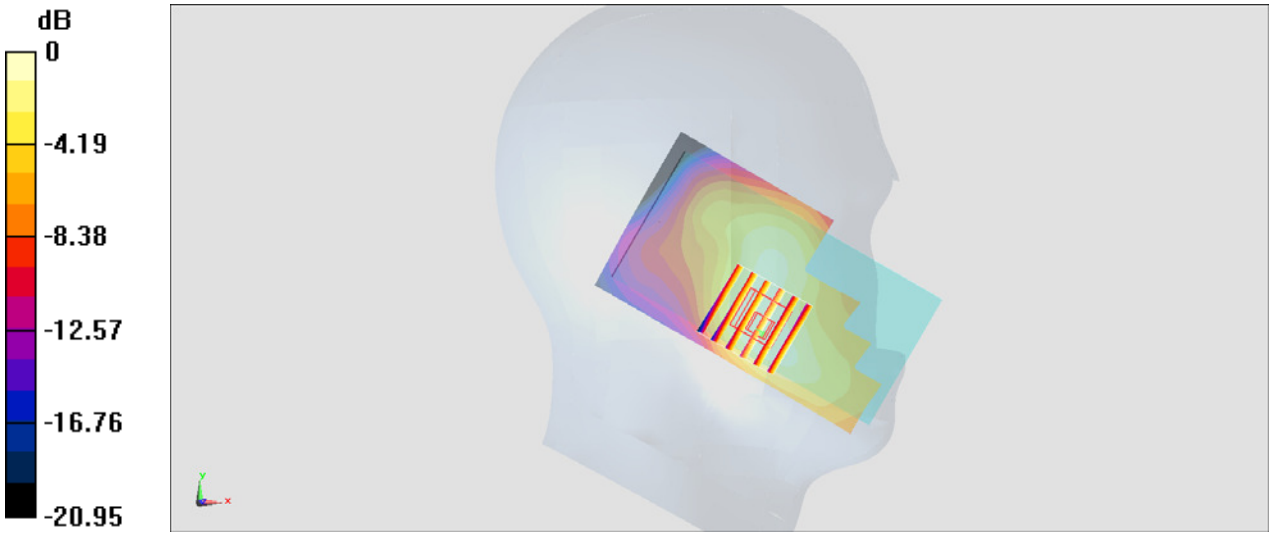
#01_WCDMA II_RMC 12.2Kbps_Left Cheek_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_180109 Medium parameters used: f = 1880 MHz; σ = 1.386 S/m; ε_r = 39.108; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.2, 5.2, 5.2); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.474 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.35 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.458 W/kg



0 dB = 0.458 W/kg = -3.39 dBW/kg

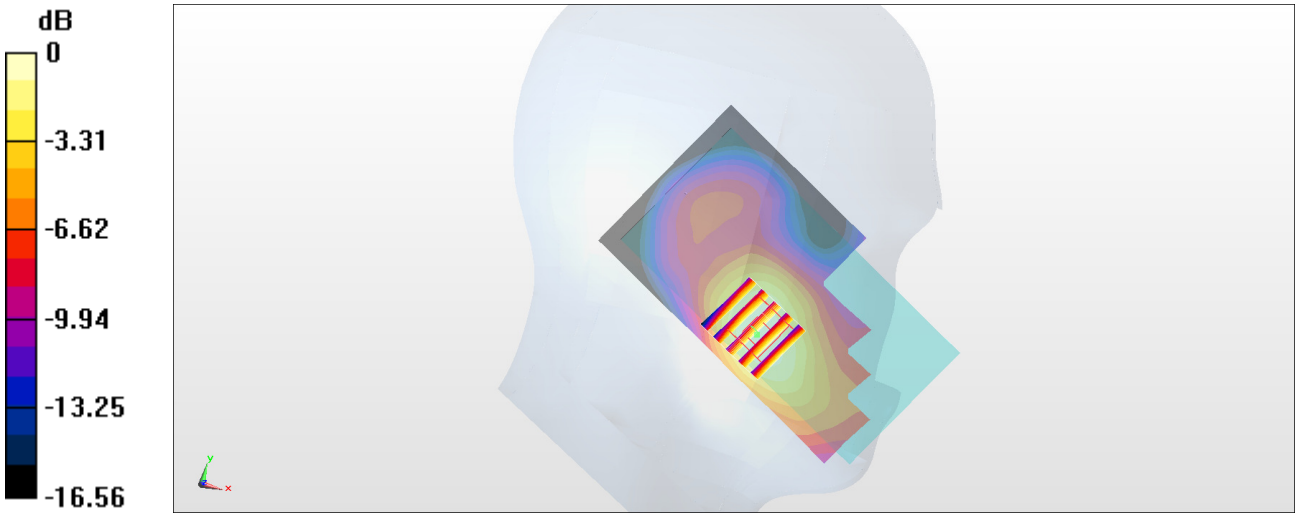
#02_WCDMA IV_RMC 12.2Kbps_Left Cheek_Ch1513

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_180109 Medium parameters used: f = 1753 MHz; σ = 1.42 S/m; ε_r = 41.796; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration
- Probe: ES3DV3 - SN3270; ConvF(5.24, 5.24, 5.24); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.718 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.13 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.874 W/kg
SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.388 W/kg
Maximum value of SAR (measured) = 0.692 W/kg



0 dB = 0.692 W/kg = -1.60 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

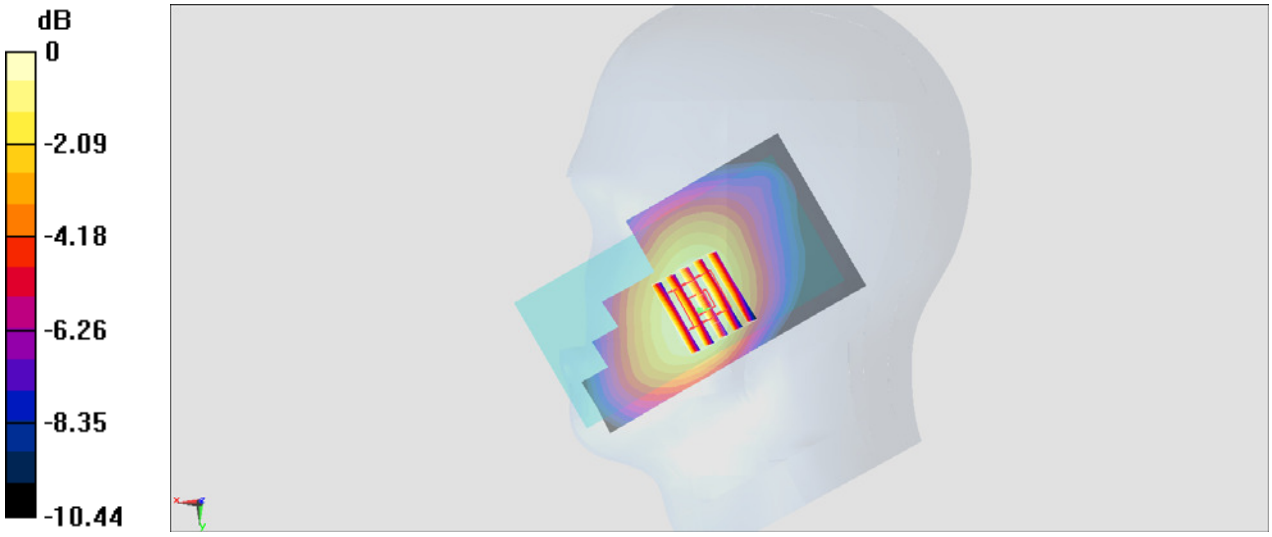
#03_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_180109 Medium parameters used: f = 847 MHz; σ = 0.901 S/m; ε_r = 43.3; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.18, 6.18, 6.18); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.572 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.11 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.664 W/kg
SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.383 W/kg
Maximum value of SAR (measured) = 0.558 W/kg



0 dB = 0.558 W/kg = -2.53 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

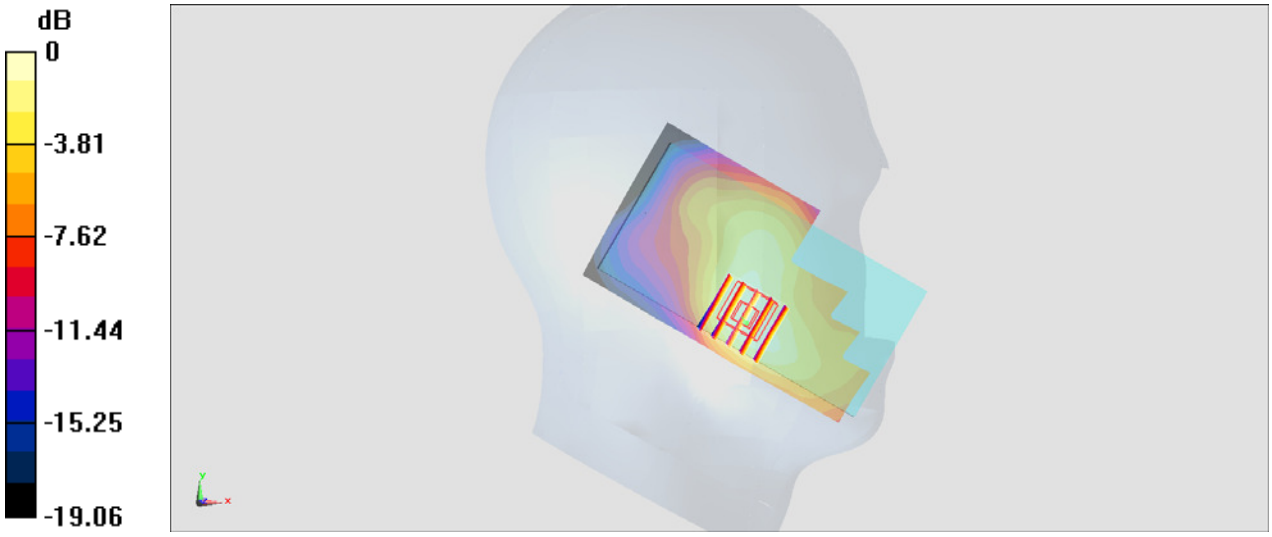
#04_LTE Band 2_20M_QPSK_1_49_Left Cheek_Ch18900

Communication System: LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_180109 Medium parameters used: f = 1880 MHz; σ = 1.386 S/m; ε_r = 39.108; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.2, 5.2, 5.2); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.448 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.36 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.554 W/kg
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg = -3.66 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

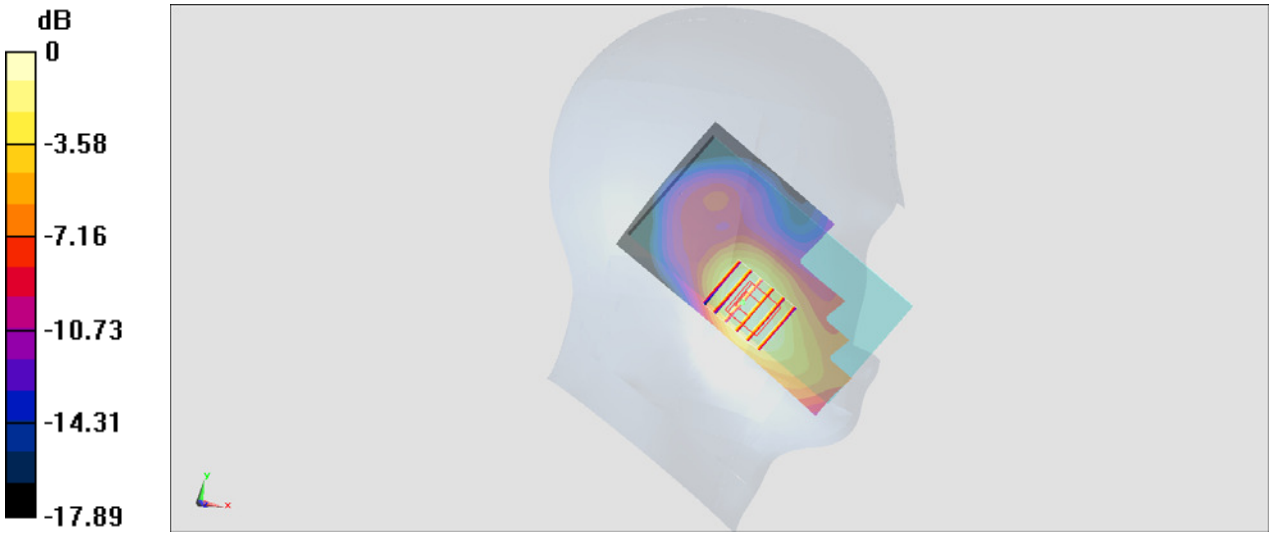
#05_LTE Band 4_20M_QPSK_1_49_Left Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_180109 Medium parameters used : f = 1732.5 MHz; σ = 1.399 S/m; ε_r = 41.897; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.24, 5.24, 5.24); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.667 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.50 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.802 W/kg
SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.344 W/kg
Maximum value of SAR (measured) = 0.601 W/kg



0 dB = 0.601 W/kg = -2.21 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

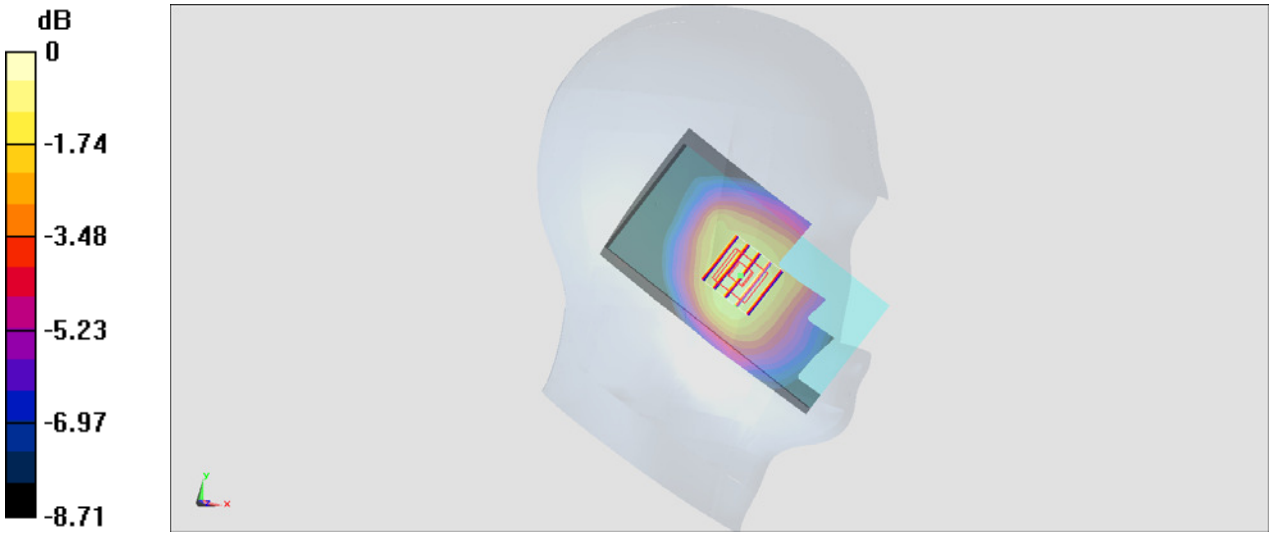
#06_LTE Band 5_10M_QPSK_1_49_Left Cheek_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_180109 Medium parameters used : f = 836.5 MHz; σ = 0.891 S/m; ε_r = 43.415; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.18, 6.18, 6.18); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.693 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.18 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.495 W/kg
Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg = -0.96 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

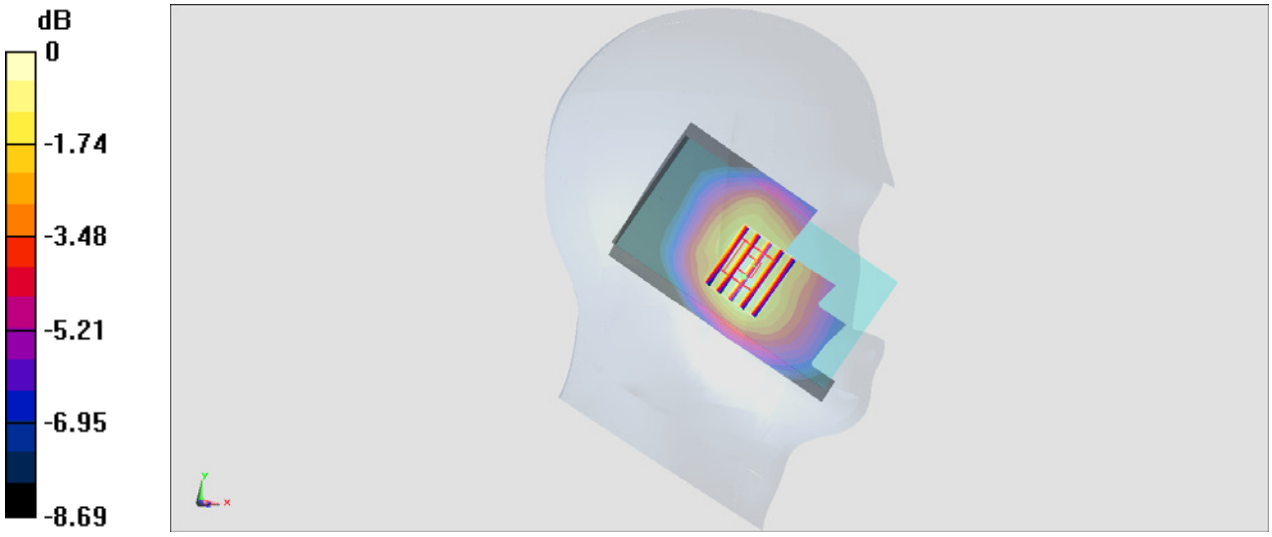
#07_LTE Band 14_10M_QPSK_1_49_Left Cheek_Ch23330

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: HSL_750_180109 Medium parameters used: f = 793 MHz; σ = 0.937 S/m; ε_r = 40.278; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.34, 6.34, 6.34); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.571 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.02 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.394 W/kg
Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg = -2.15 dBW/kg

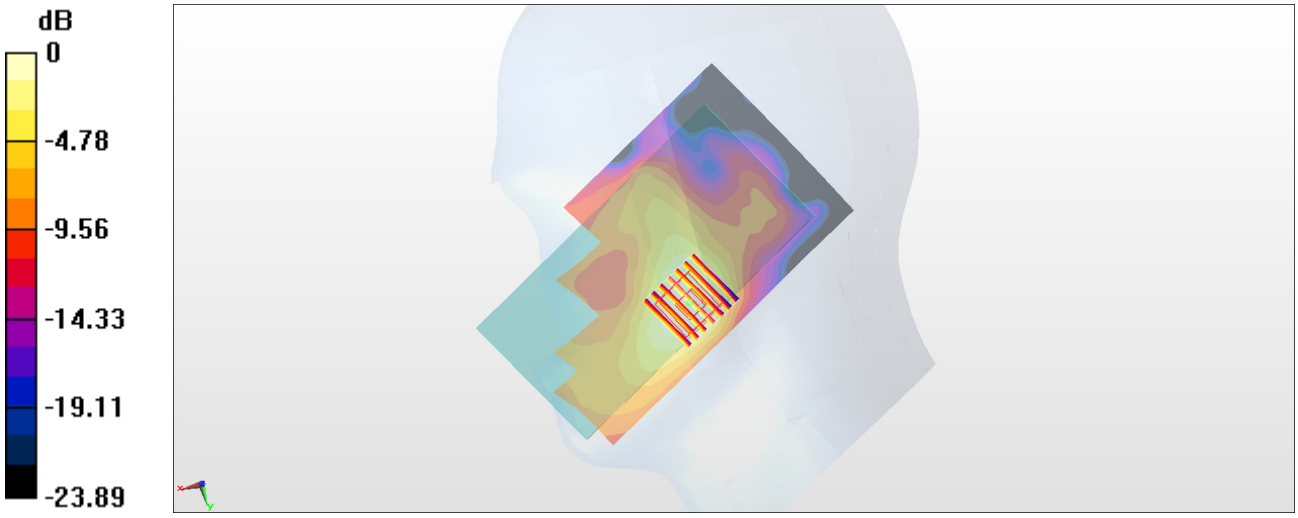
#08_LTE Band 30_10M_QPSK_1_49_Right Cheek_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_180201 Medium parameters used: f = 2310 MHz; σ = 1.669 S/m; ε_r = 39.567; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(7.94, 7.94, 7.94); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.586 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.31 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg = -2.37 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/9

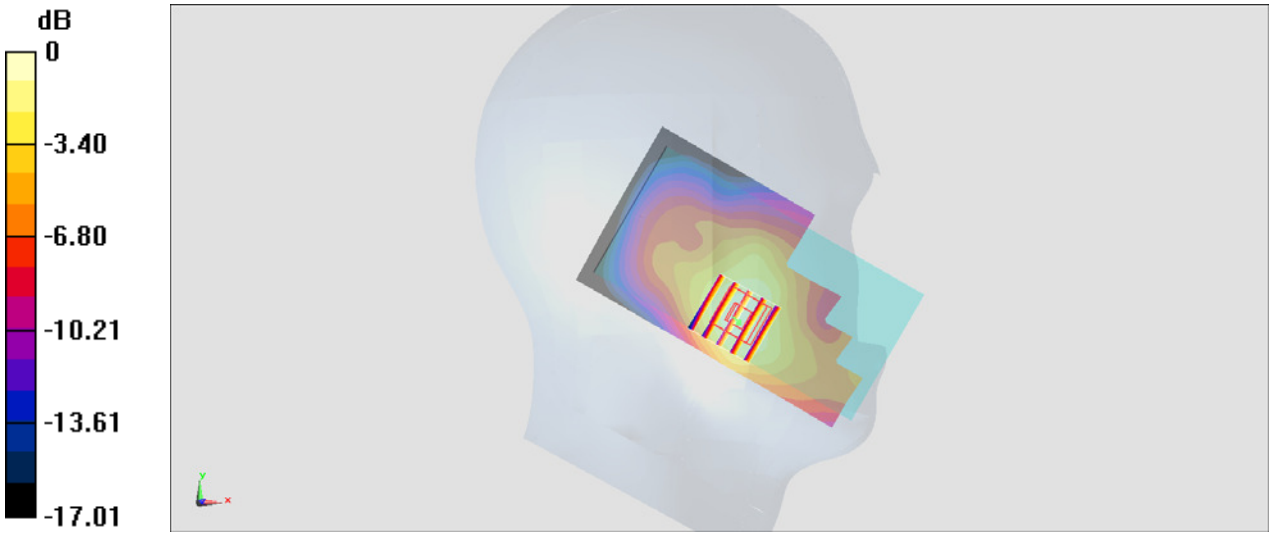
#09_LTE Band 66_20M_QPSK_1_99_Left Cheek_Ch132572

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750_180109 Medium parameters used: f = 1770 MHz; σ = 1.436 S/m; ε_r = 41.717; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.24, 5.24, 5.24); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.408 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.31 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 0.454 W/kg



0 dB = 0.454 W/kg = -3.43 dBW/kg

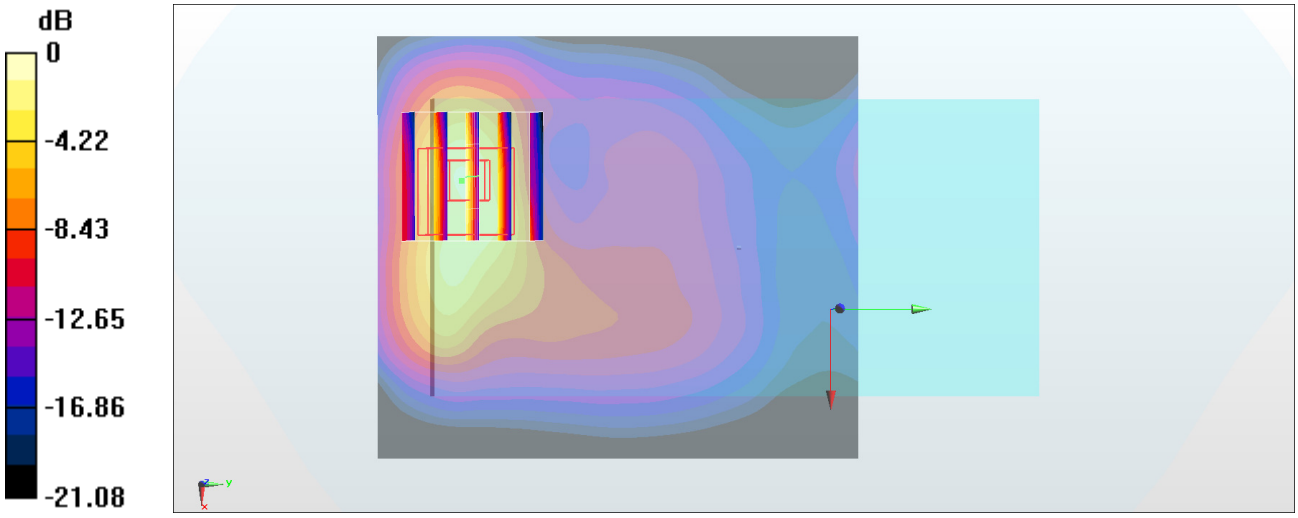
#10_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9262

Communication System: WCDMA ; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_180128 Medium parameters used : f = 1852.4 MHz; σ = 1.497 S/m; ε_r = 51.764; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.24 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.535 W/kg
Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.79 W/kg = 2.53 dBW/kg

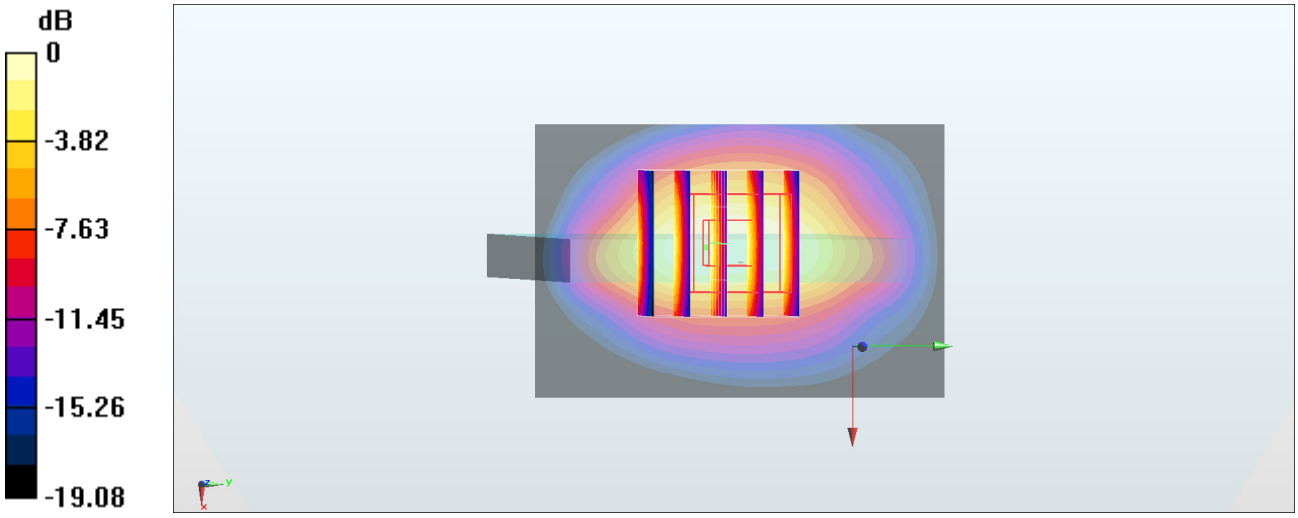
#11_WCDMA IV_RMC 12.2Kbps_Bottom Side_5mm_Ch1312

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used : f = 1712.4 MHz; σ = 1.422 S/m; ε_r = 55.203; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.43 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.41 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.479 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

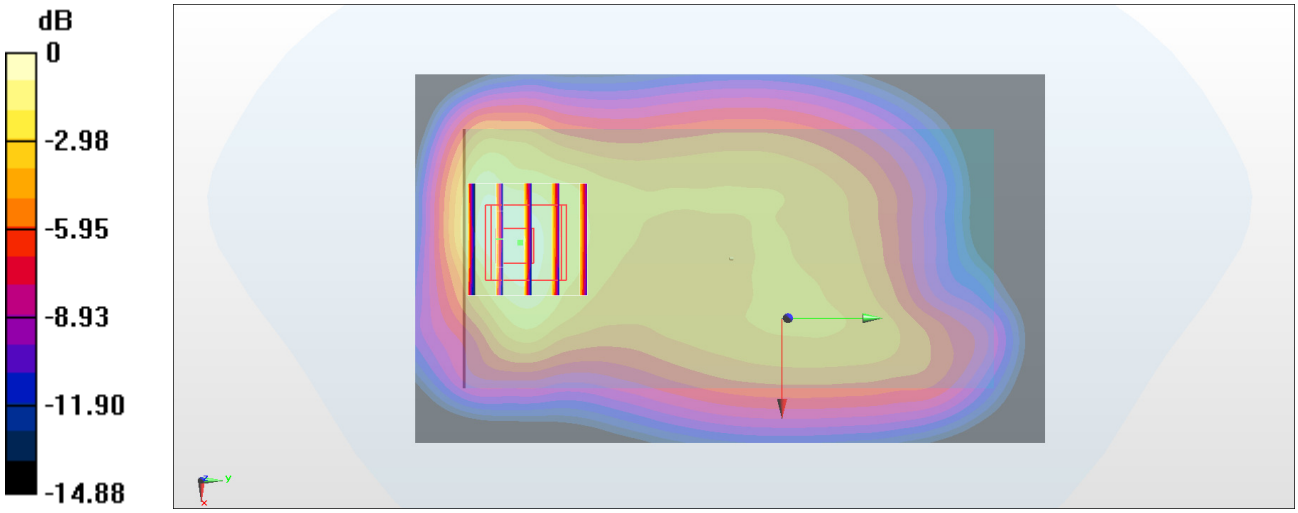
#12_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_180123 Medium parameters used: f = 847 MHz; σ = 0.975 S/m; ε_r = 55.671; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(10.09, 10.09, 10.09); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.20 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.578 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

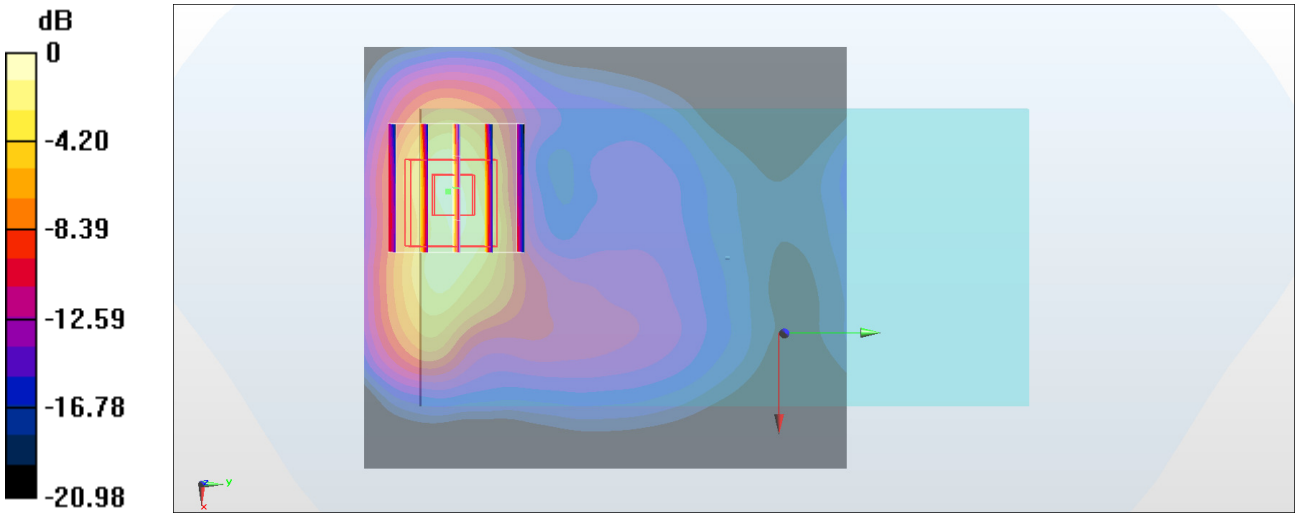
#13_LTE Band 2_20M_QPSK_1_0_Back_5mm_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_180128 Medium parameters used: f = 1860 MHz; σ = 1.506 S/m; ε_r = 51.743; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.60 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.34 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.591 W/kg
Maximum value of SAR (measured) = 1.95 W/kg



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

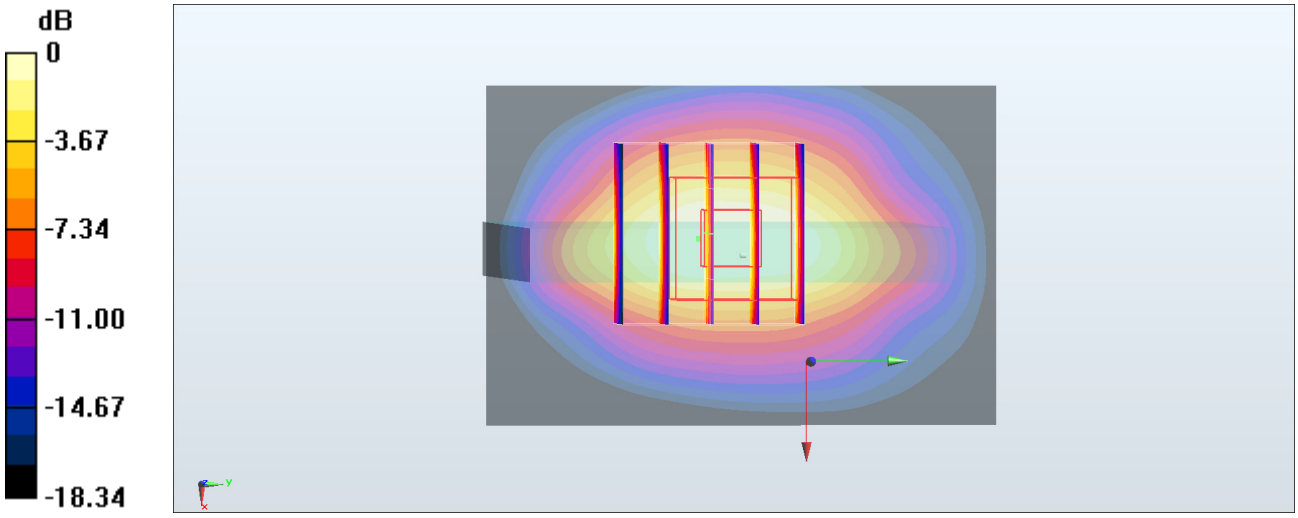
#14_LTE Band 4_20M_QPSK_1_49_Bottom Side_5mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used: f = 1732.5 MHz; σ = 1.441 S/m; ε_r = 55.139; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.82 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.505 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

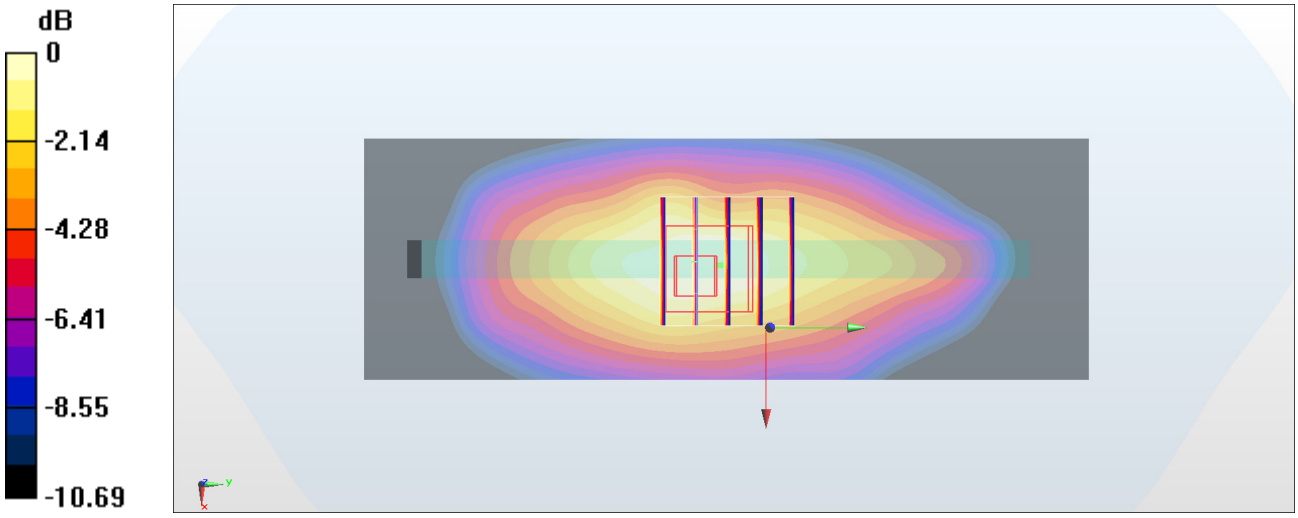
#15_LTE Band 5_10M_QPSK_1_49_Right Side_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_180129 Medium parameters used: f = 836.5 MHz; σ = 0.963 S/m; ε_r = 56.756; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(10.09, 10.09, 10.09); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.65 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.92 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.734 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018/1/10

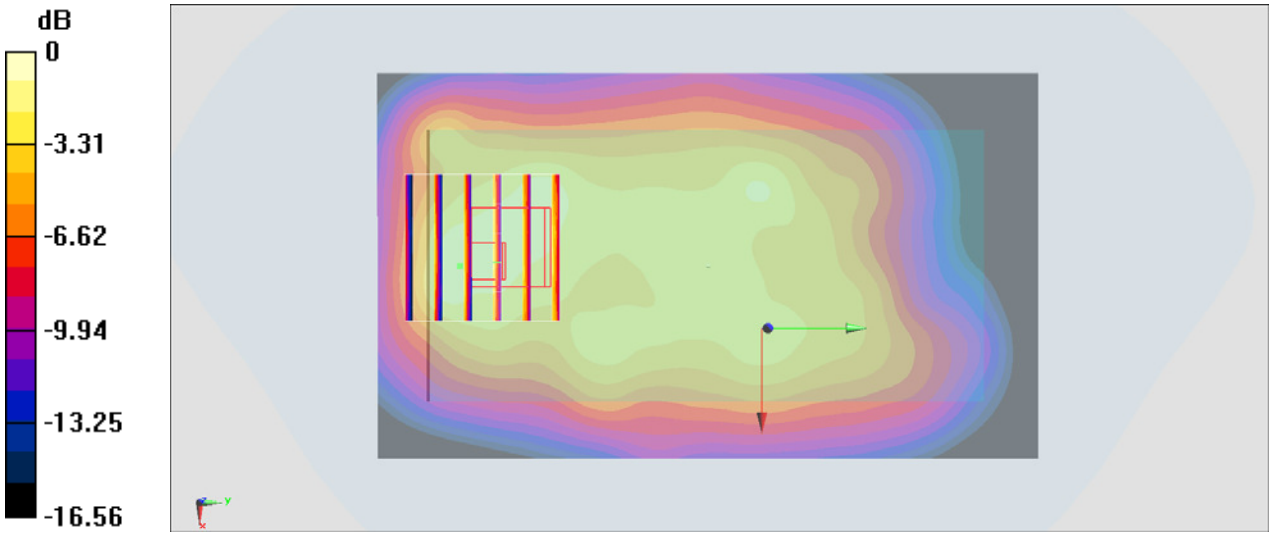
#16_LTE Band 14_10M_QPSK_1_49_Back_5mm_Ch23330

Communication System: LTE ; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: MSL_750_180110 Medium parameters used: f = 793 MHz; σ = 1.008 S/m; ε_r = 56.013; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.31, 6.31, 6.31); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.956 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.29 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.558 W/kg
Maximum value of SAR (measured) = 1.30 W/kg



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

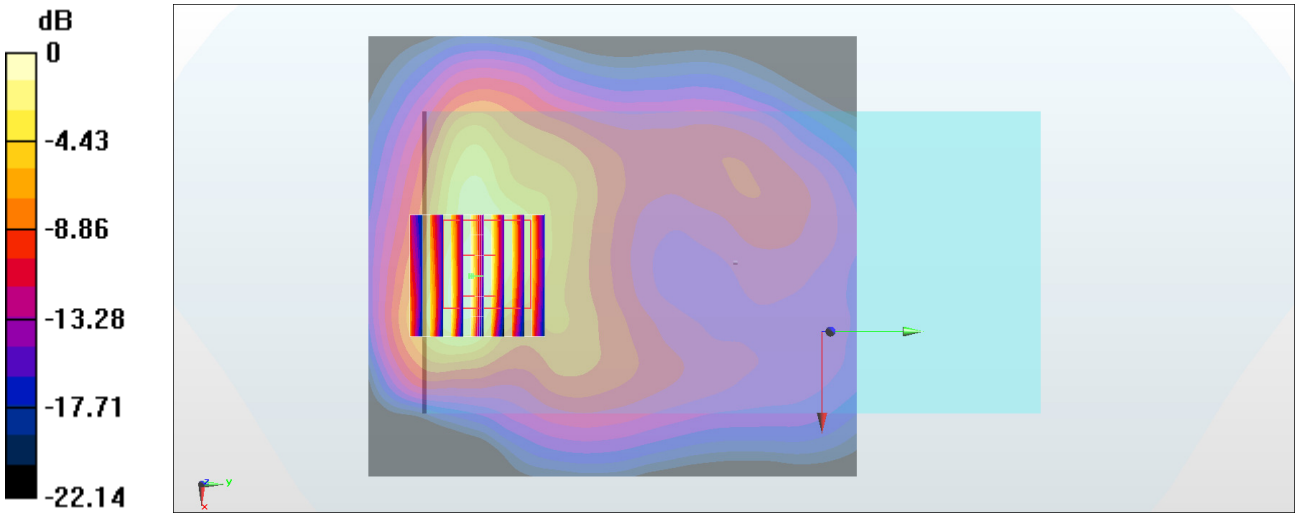
#17_LTE Band 30_10M_QPSK_1_0_Back_5mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: MSL_2300_180201 Medium parameters used: f = 2310 MHz; σ = 1.753 S/m; ε_r = 55.24; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(7.89, 7.89, 7.89); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.89 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.371 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

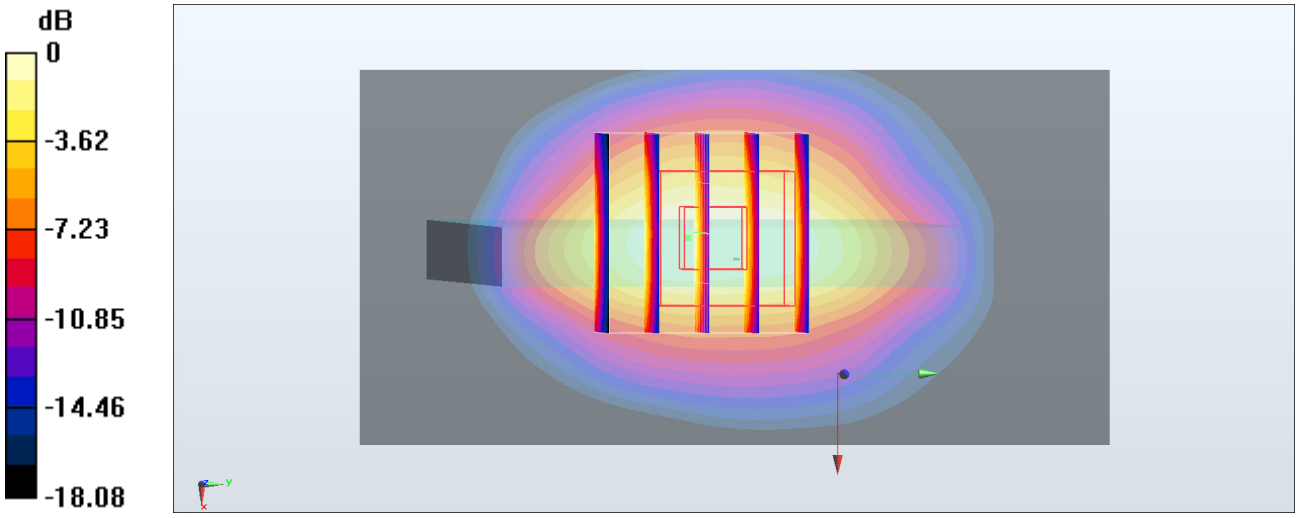
#18_LTE Band 66_20M_QPSK_1_99_Bottom Side_5mm_Ch132322

Communication System: LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used: f = 1745 MHz; σ = 1.455 S/m; ε_r = 55.094; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.36 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.13 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.464 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

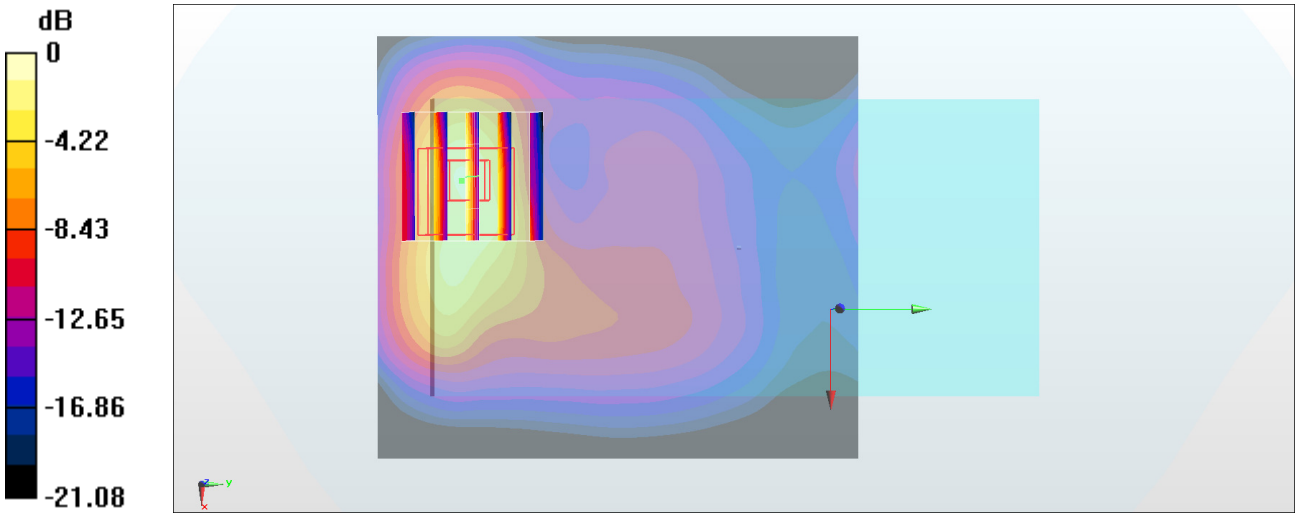
#19_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9262

Communication System: WCDMA ; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_180128 Medium parameters used : f = 1852.4 MHz; σ = 1.497 S/m; ε_r = 51.764; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.24 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.535 W/kg
Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.79 W/kg = 2.53 dBW/kg

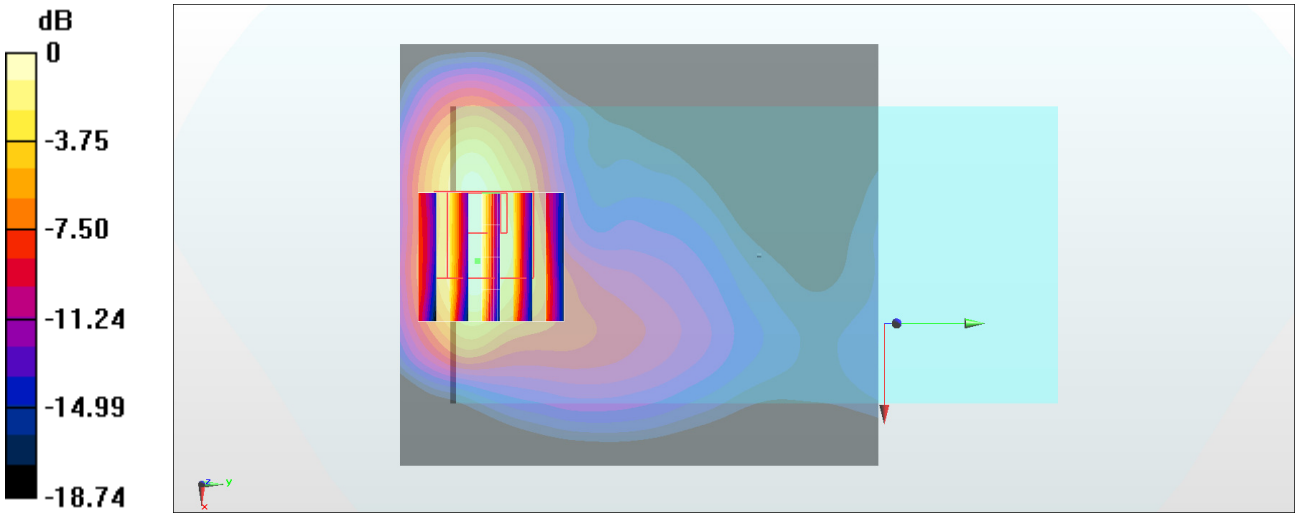
#20_WCDMA IV_RMC 12.2Kbps_Back_5mm_Ch1513

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used: f = 1753 MHz; σ = 1.464 S/m; ε_r = 55.069; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.31 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.402 W/kg
Maximum value of SAR (measured) = 1.19 W/kg



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

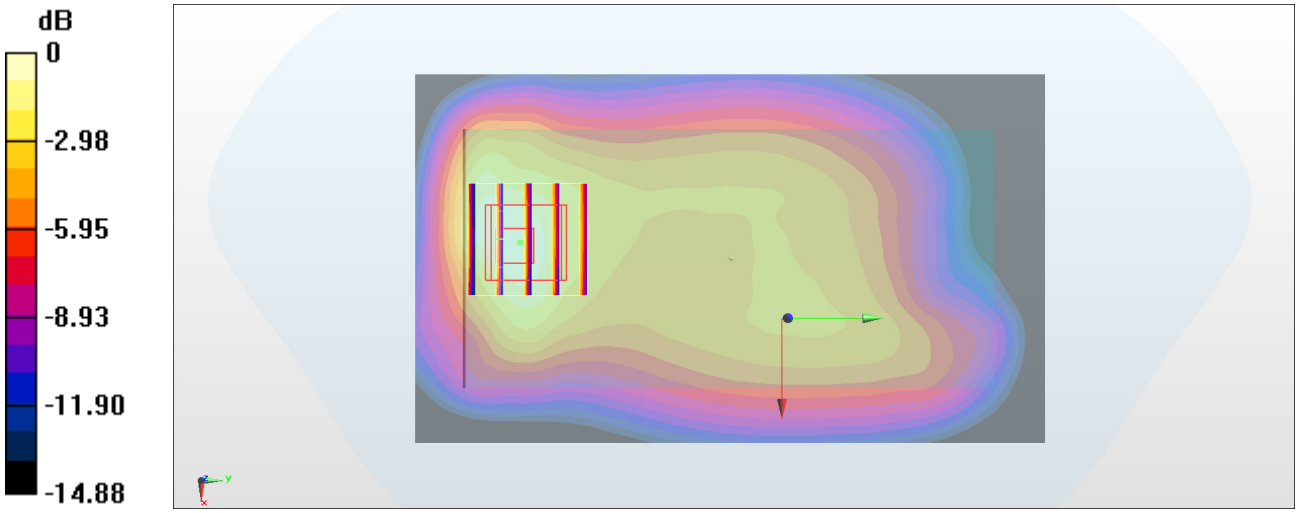
#21_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_180123 Medium parameters used: f = 847 MHz; σ = 0.975 S/m; ε_r = 55.671; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(10.09, 10.09, 10.09); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.20 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.578 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

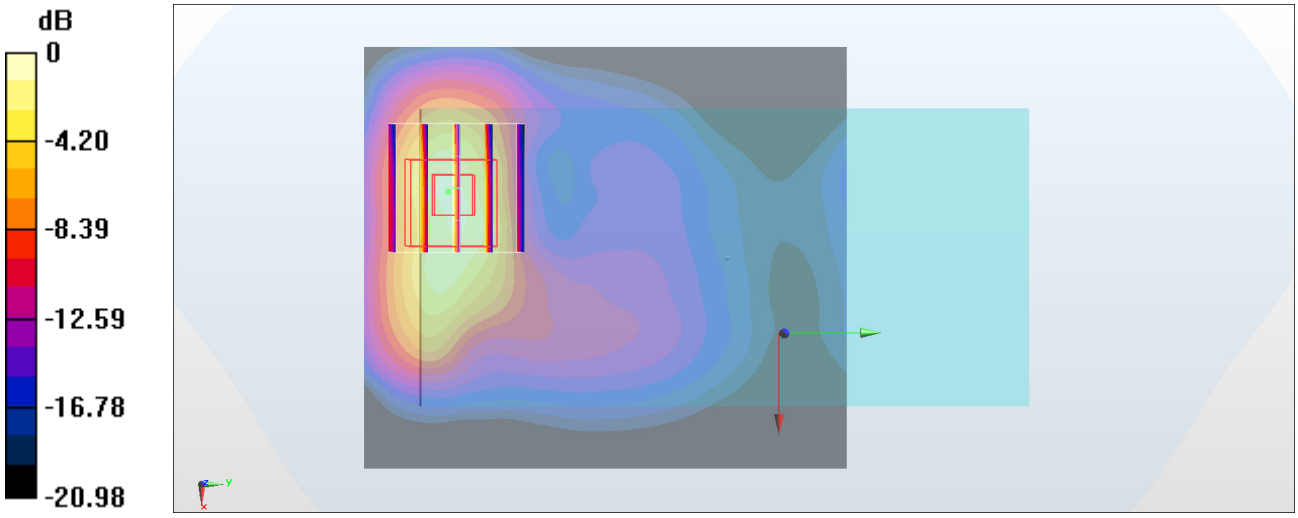
#22_LTE Band 2_20M_QPSK_1_0_Back_5mm_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_180128 Medium parameters used: f = 1860 MHz; σ = 1.506 S/m; ε_r = 51.743; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.60 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.34 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.591 W/kg
Maximum value of SAR (measured) = 1.95 W/kg



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

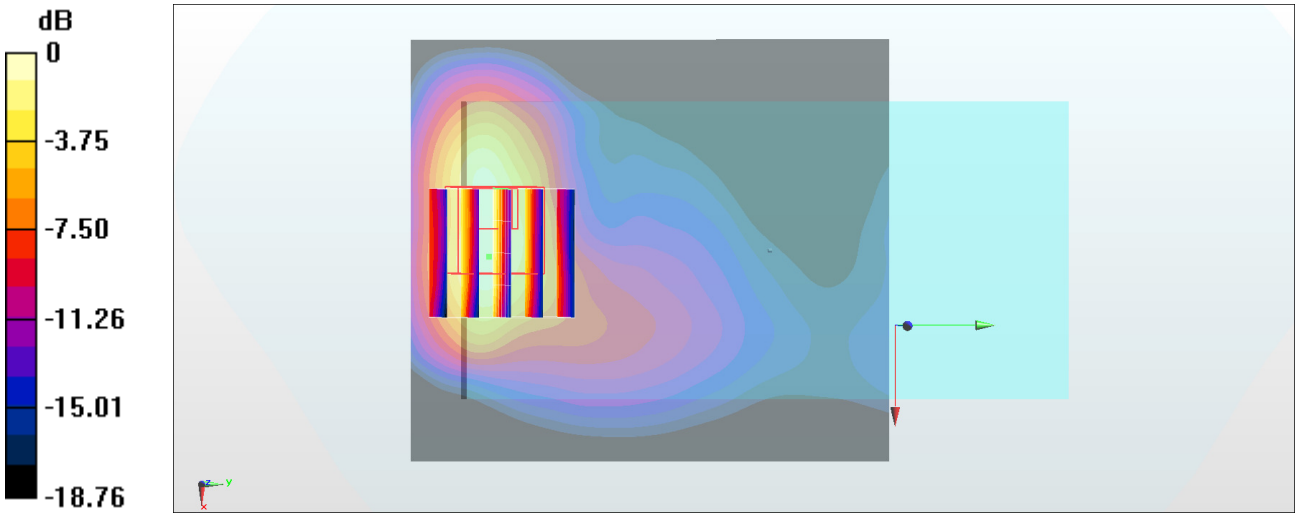
#23_LTE Band 4_20M_QPSK_1_49_Back_5mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used : f = 1732.5 MHz; σ = 1.441 S/m; ε_r = 55.139; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.11 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.24 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



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

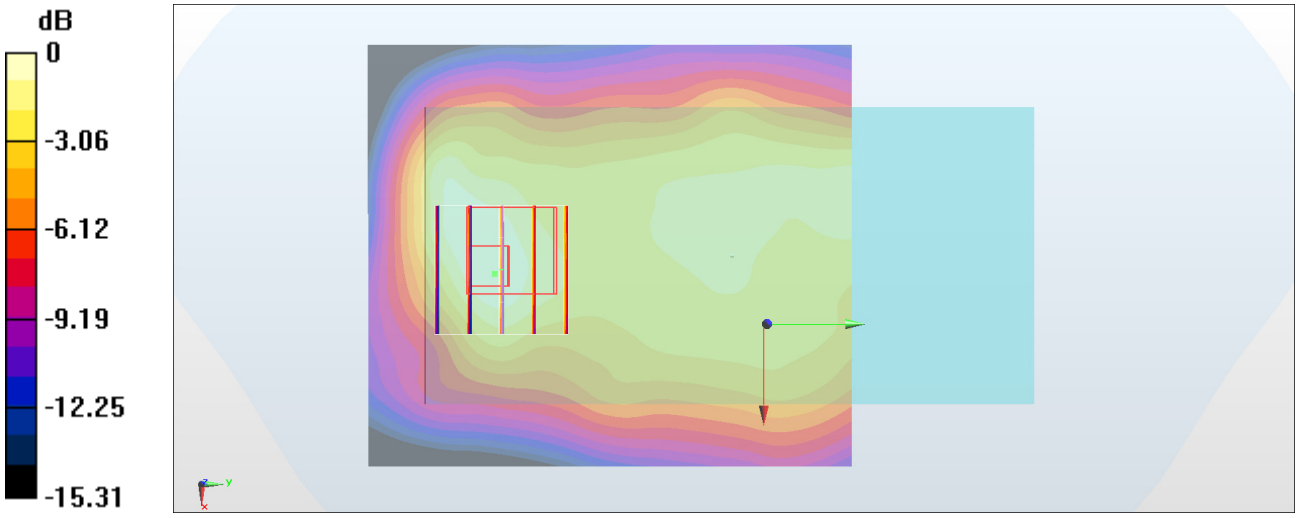
#24_LTE Band 5_10M_QPSK_1_49_Back_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_180129 Medium parameters used: f = 836.5 MHz; σ = 0.963 S/m; ε_r = 56.756; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(10.09, 10.09, 10.09); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.43 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.64 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.597 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

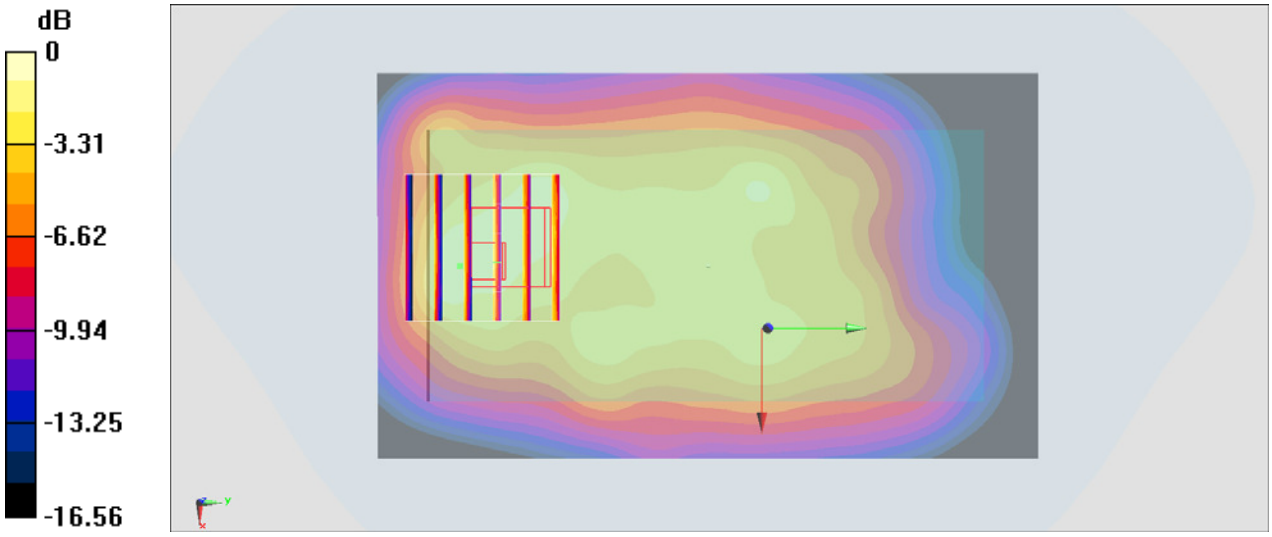
#25_LTE Band 14_10M_QPSK_1_49_Back_5mm_Ch23330

Communication System: LTE ; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: MSL_750_180110 Medium parameters used: f = 793 MHz; σ = 1.008 S/m; ε_r = 56.013; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.31, 6.31, 6.31); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.956 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.29 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.558 W/kg
Maximum value of SAR (measured) = 1.30 W/kg



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

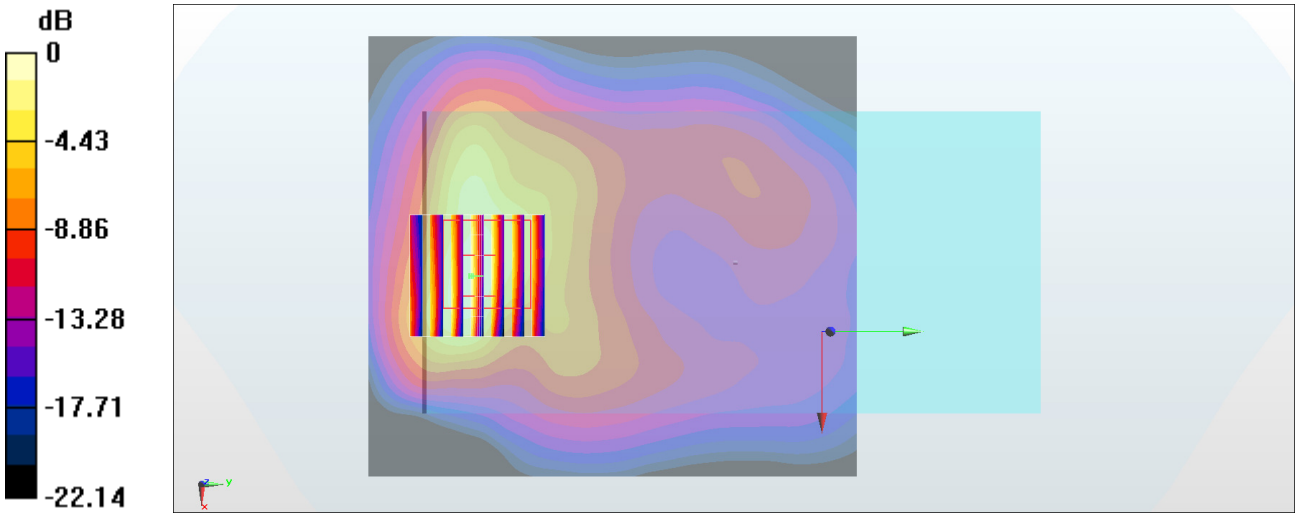
#26_LTE Band 30_10M_QPSK_1_0_Back_5mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: MSL_2300_180201 Medium parameters used: f = 2310 MHz; σ = 1.753 S/m; ε_r = 55.24; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(7.89, 7.89, 7.89); Calibrated: 2017/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.89 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.371 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

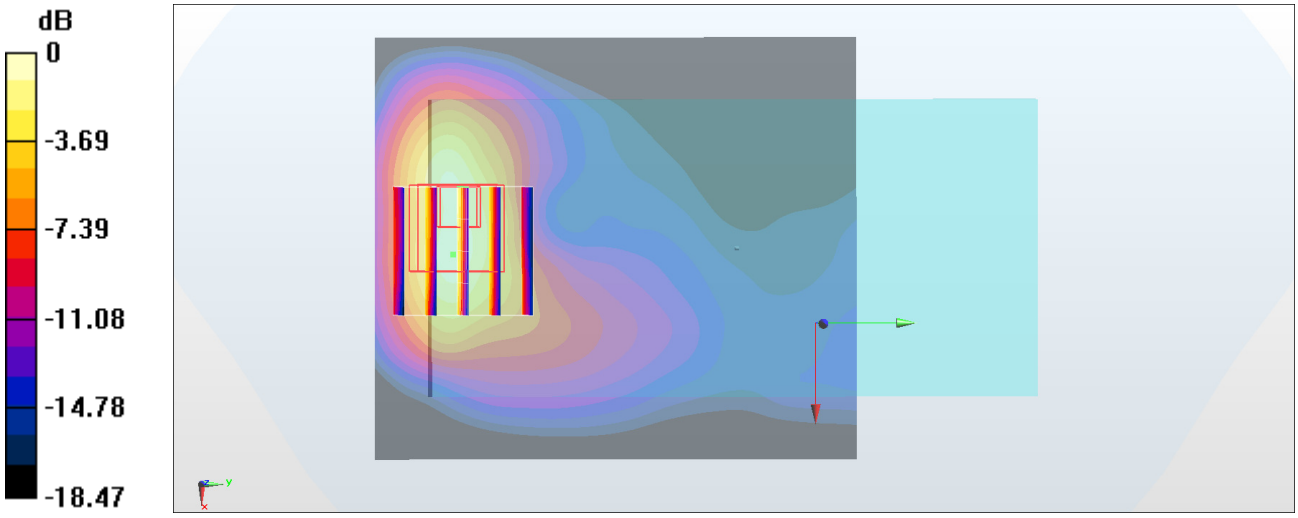
#27_LTE Band 66_20M_QPSK_1_99_Back_5mm_Ch132072

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_180131 Medium parameters used: f = 1720 MHz; σ = 1.429 S/m; ε_r = 55.182; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3931; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/9/29;
- 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 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.11 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.89 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.779 W/kg; SAR(10 g) = 0.409 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg