# Annex C Plots of System Performance Check

## System Check_Head_750MHz

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.929 S/m; $\varepsilon_r$ = 42.139; ρ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃；Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.34, 6.34, 6.34); Calibrated: 2019.07.16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW 750/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

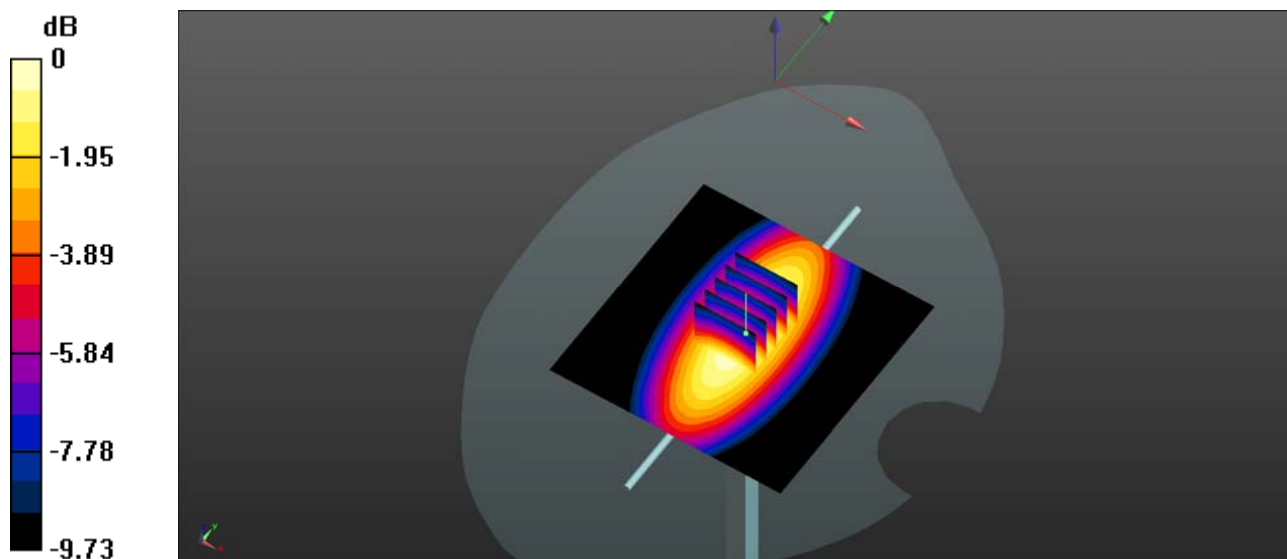**CW 750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.15 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 2.98 W/kg
**SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.37 W/kg**
Maximum value of SAR (measured) = 2.20 W/kg



0 dB = 2.19 W/kg

## System Check_Head_835MHz

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 835 MHz; σ = 0.904 S/m; $\varepsilon_r$ = 41.134; ρ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃；Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(9.32, 9.32, 9.32); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW835/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
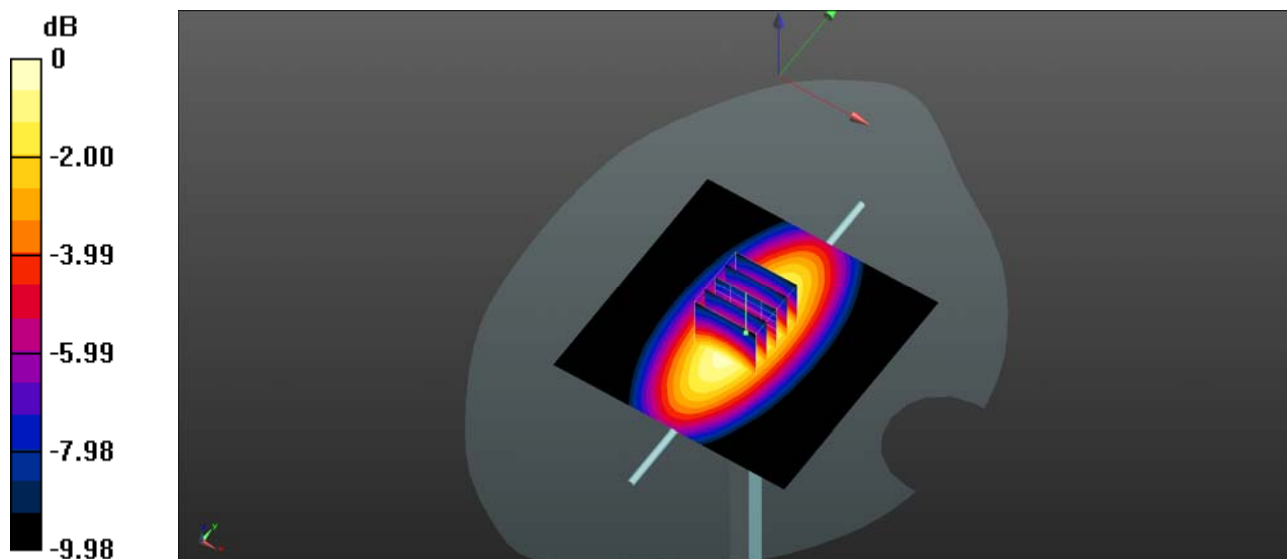Maximum value of SAR (interpolated) = 2.40 W/kg

**CW835/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.72 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.21 W/kg
**SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.47 W/kg**
Maximum value of SAR (measured) = 2.38 W/kg



0 dB = 2.40 W/kg

## System Check_Head_1750MHz

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; $\sigma$ = 1.416 S/m; $\varepsilon_r$ = 39.417; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃；Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(7.98, 7.98, 7.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW 1750/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
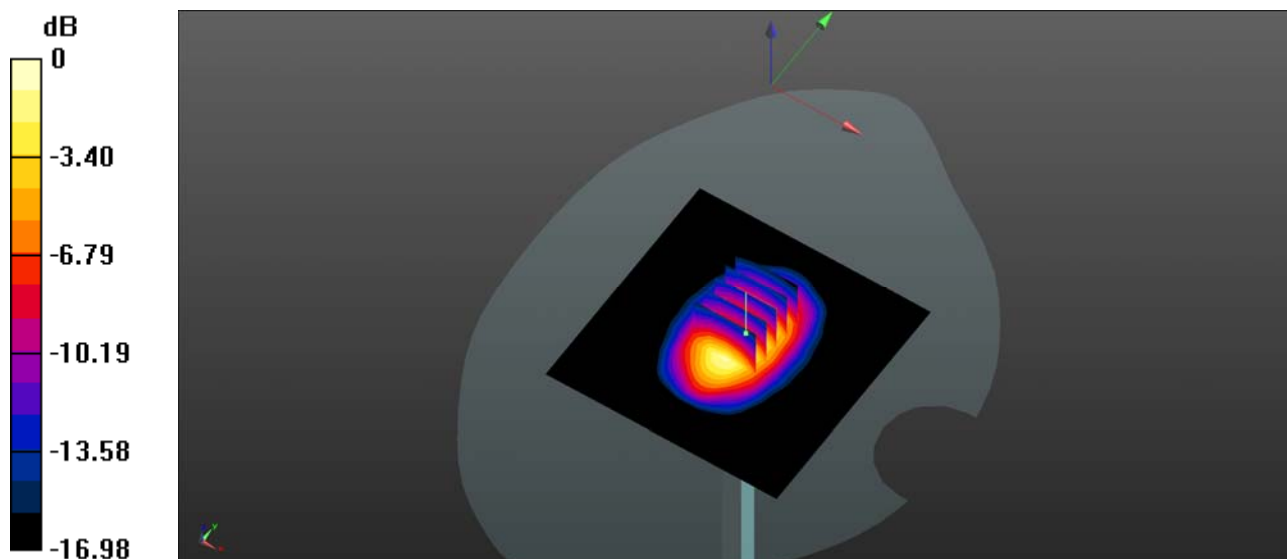Maximum value of SAR (interpolated) = 11.1 W/kg

**CW 1750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.47 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 17.5 W/kg
**SAR(1 g) = 9.69 W/kg; SAR(10 g) = 5.18 W/kg**
Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 11.1 W/kg

## System Check_Head_1900MHz

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
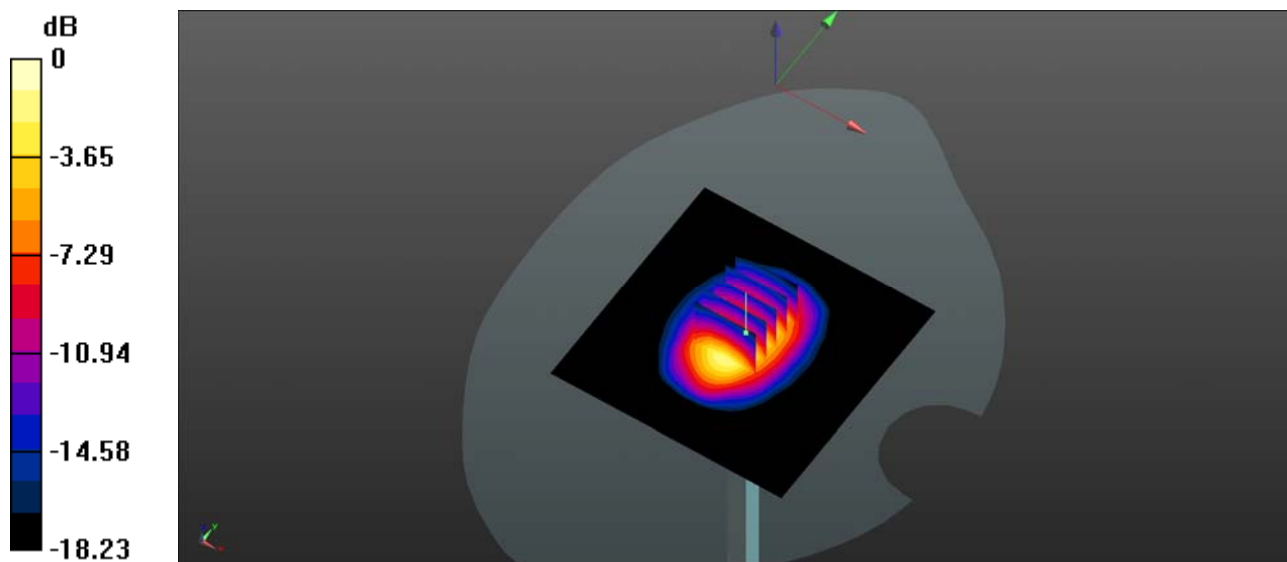Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.375 S/m; $\varepsilon_r$ = 39.998; ρ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(7.68, 7.68, 7.68); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW 1900/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.9 W/kg

**CW 1900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.62 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 18.0 W/kg
**SAR(1 g) = 9.67 W/kg; SAR(10 g) = 5.14 W/kg**
Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 10.9 W/kg

## System Check_Head_2300MHz

Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: f = 2300 MHz; σ = 1.623 S/m; $\varepsilon_r$ = 39.835; ρ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(7.55, 7.55, 7.55); Calibrated: 2018.11.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW2300/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
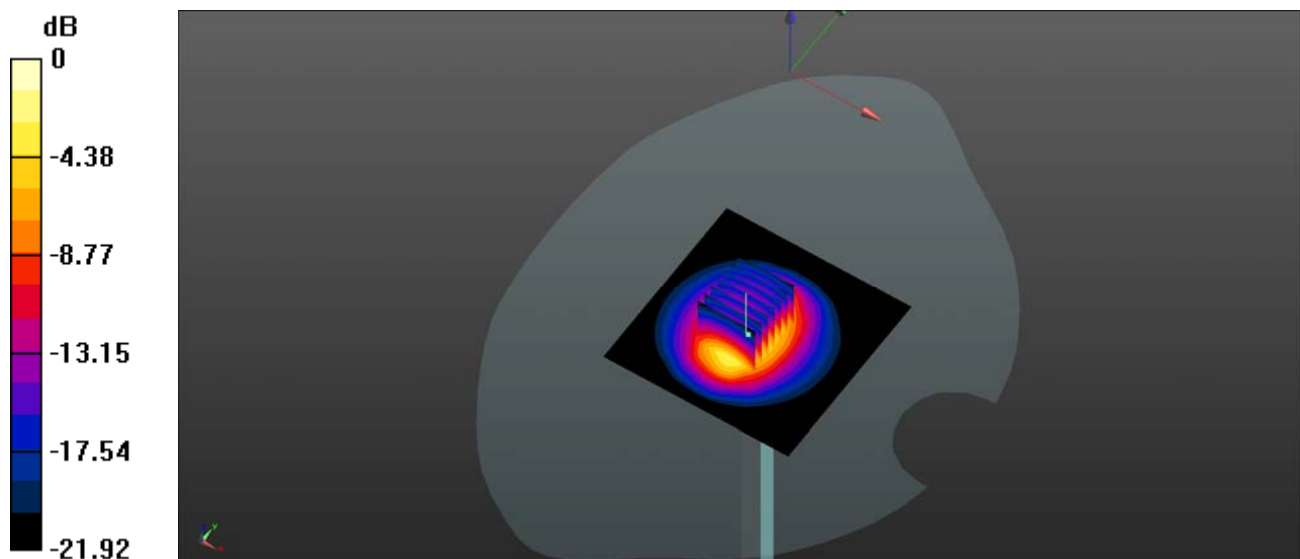Maximum value of SAR (interpolated) = 15.4 W/kg

**CW2300/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.72 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 21.3 W/kg
**SAR(1 g) = 11.91 W/kg; SAR(10 g) = 5.68 W/kg**
Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.4 W/kg

## System Check_Head_2450MHz

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.792 S/m; $\varepsilon_r$ = 39.236; ρ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(7.34, 7.34, 7.34); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW2450/Area Scan (71x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
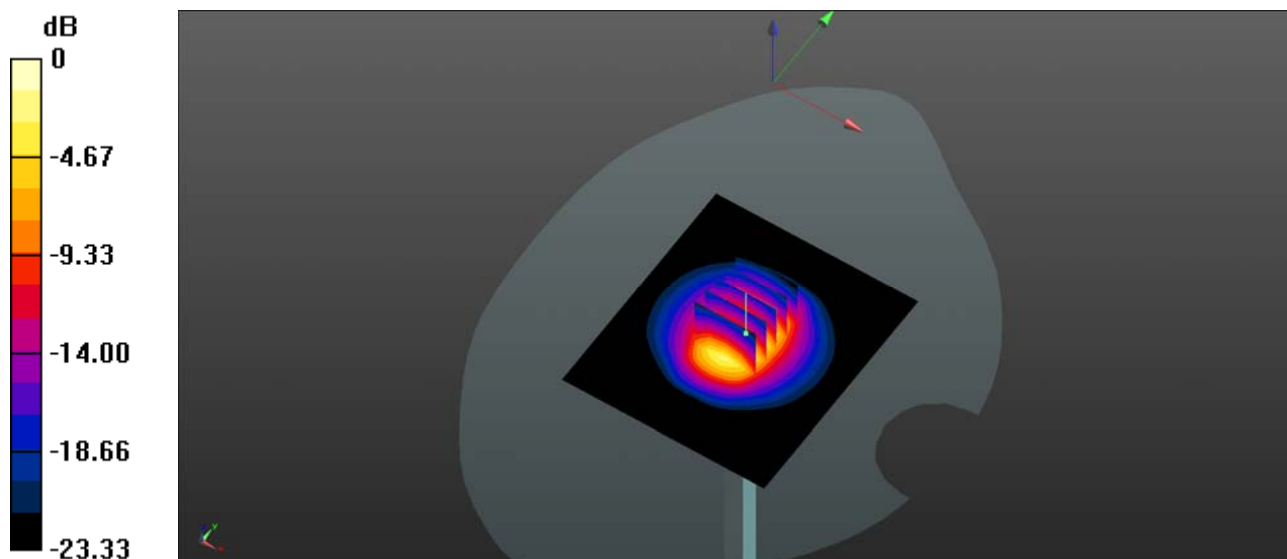Maximum value of SAR (interpolated) = 16.4 W/kg

**CW2450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.63 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 27.3 W/kg
**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.93 W/kg**
Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 16.4 W/kg = 12.15 dBW/kg

## System Check_Head_2600MHz

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 1.962 S/m; ε$_r$ = 38.517; ρ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃；Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3823; ConvF(6.98, 6.98, 6.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW 2600/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
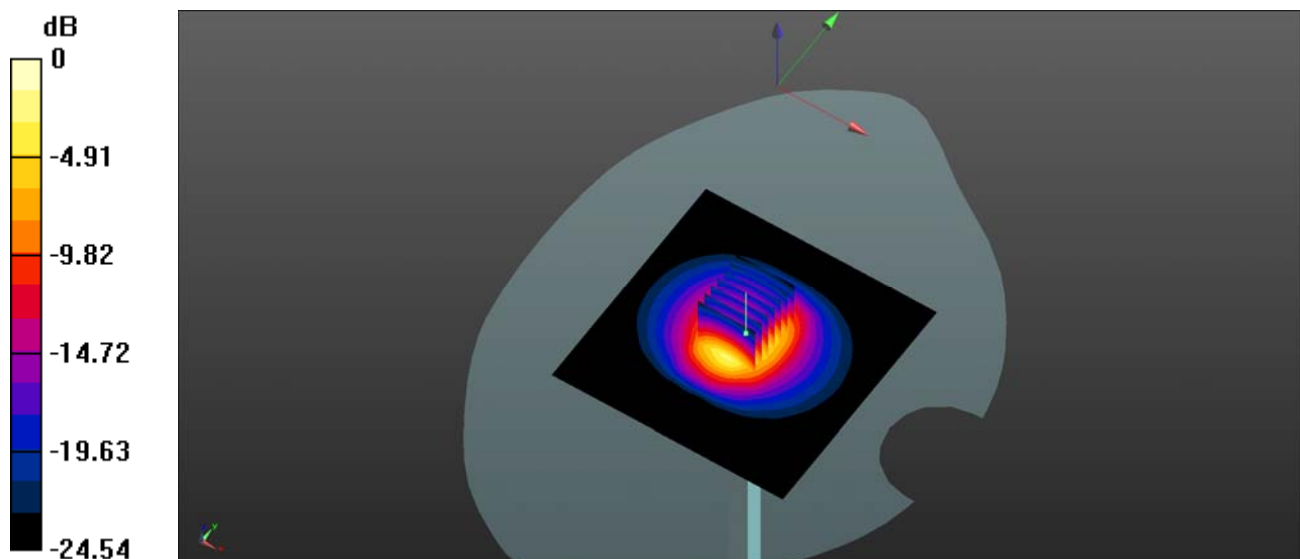Maximum value of SAR (interpolated) = 16.4 W/kg

**CW 2600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.06 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 31.2 W/kg
**SAR(1 g) = 14 W/kg; SAR(10 g) = 6.12 W/kg**
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 16.4 W/kg