



REPORT No. : SZ18100034S01

Annex C Plots of System Performance Check

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System Check_2450MHz_Head_181018

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450_181018 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.045$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3154; ConvF(4.61, 4.61, 4.61); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- 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) = 15.6 W/kg

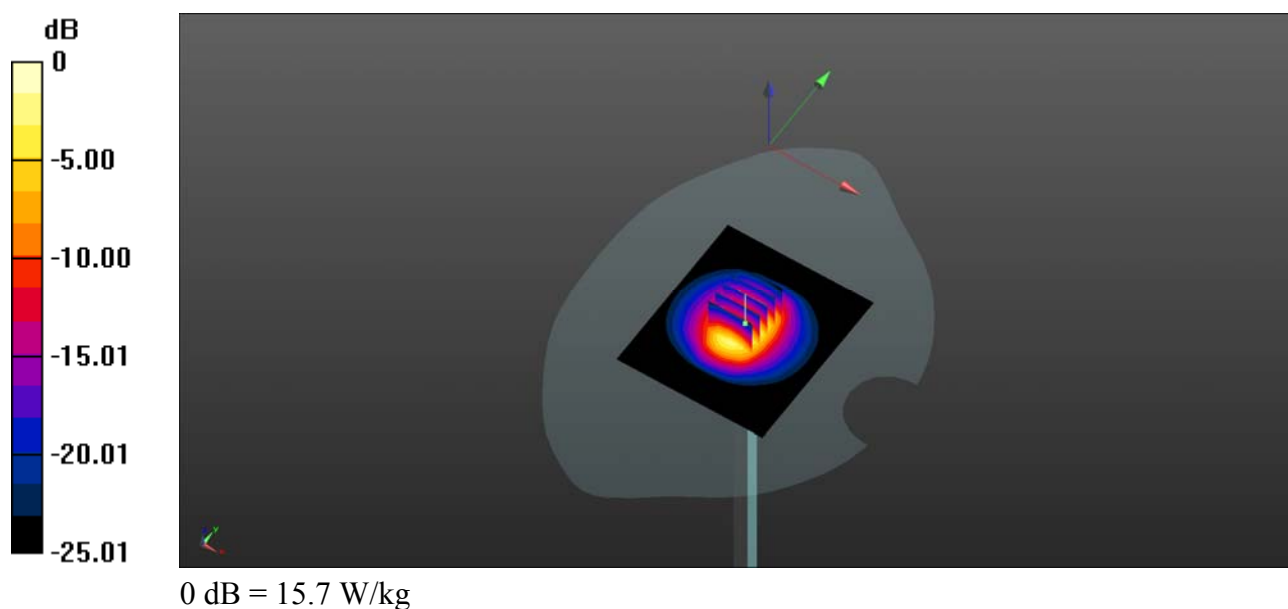
CW2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 30.1 W/kg

SAR(1 g) = 13.13 W/kg; SAR(10 g) = 6.16 W/kg

Maximum value of SAR (measured) = 14.8 W/kg



System Check_5200MHz_Head_181115

DUT: Dipole 5GHz

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5200_181115 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.695$ S/m; $\epsilon_r = 37.042$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.28, 5.28, 5.28); Calibrated: 2018.11.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5200/Area Scan (201x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.39 W/kg

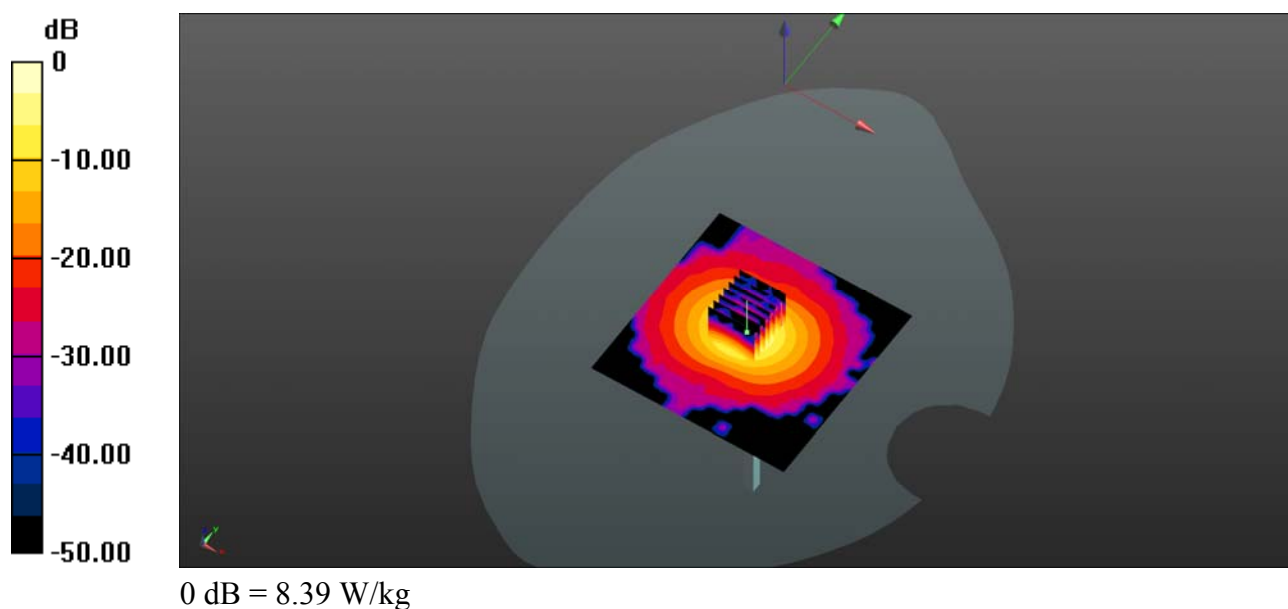
CW5200/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 34.81 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 45.7 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 8.00 W/kg



System Check_5300MHz_Head_181115

DUT: Dipole 5GHz

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: HSL_5300_181115 Medium parameters used: $f = 5300$ MHz; $\sigma = 4.817$ S/m; $\epsilon_r = 36.838$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.28, 5.28, 5.28); Calibrated: 2018.11.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5300/Area Scan (201x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.05 W/kg

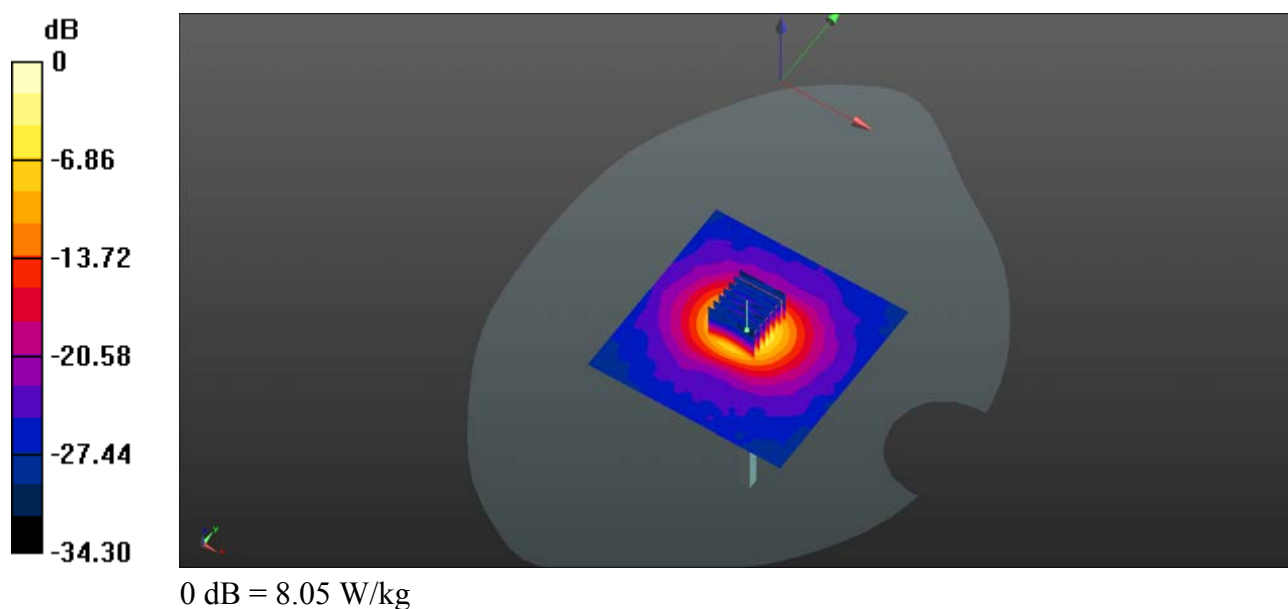
CW5300/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 35.74 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 35.4 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 16.1 W/kg



System Check_5800MHz_Head_181115

DUT: Dipole 5GHz

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: HSL_5800_181115 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.432$ S/m; $\epsilon_r = 35.732$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.60, 4.60, 4.60); Calibrated: 2018.11.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5800/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.6 W/kg

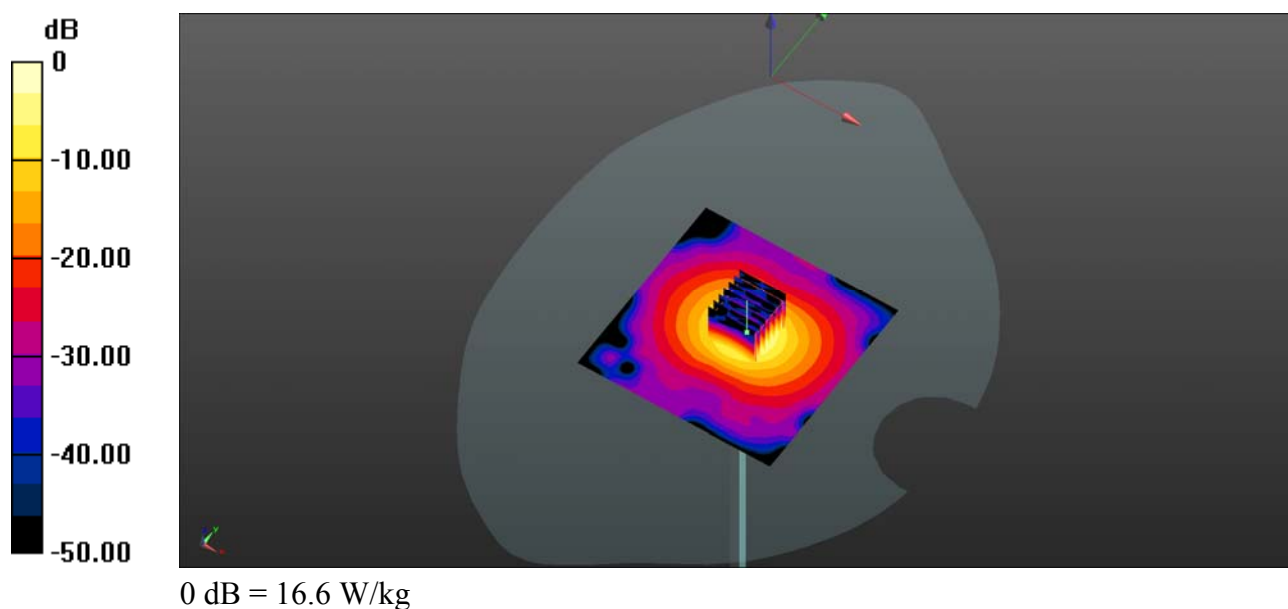
CW5800/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.60 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 44.2 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 17.5 W/kg



System Check_2450MHz_Body_181018

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL_2450_181018 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.039$ S/m; $\epsilon_r = 50.603$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3154; ConvF(4.28, 4.28, 4.28); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 15.6 W/kg

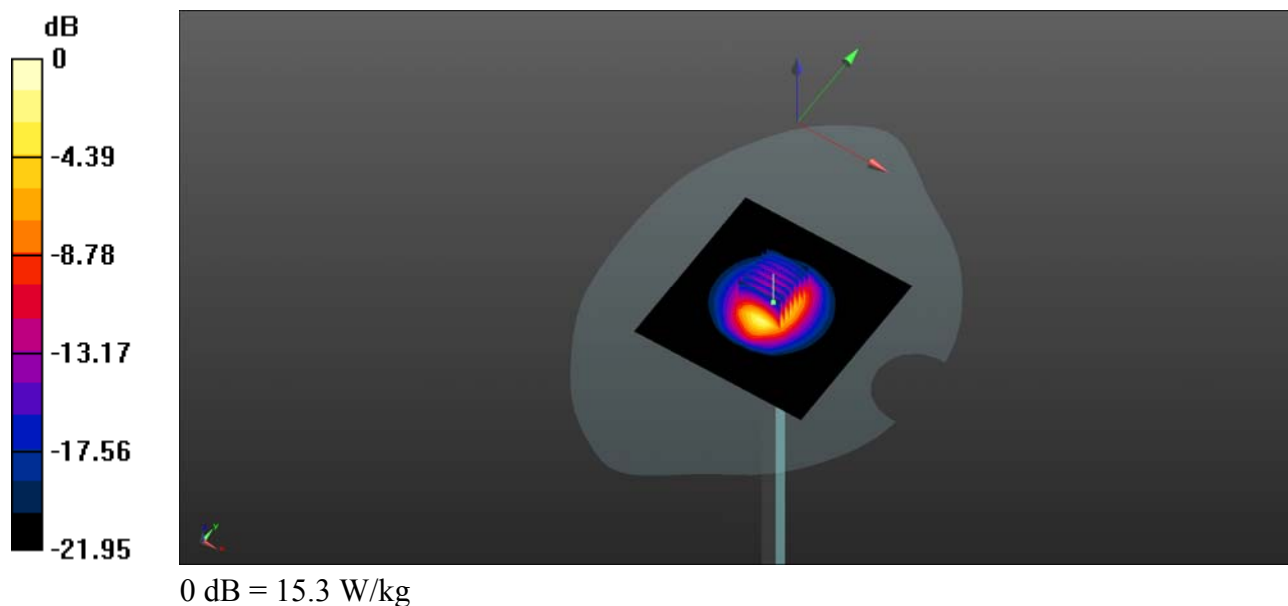
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.40 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.15 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



System Check_5200MHz_Body_181115

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5200_181115 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.364$ S/m; $\epsilon_r = 48.458$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5200/Area Scan (201x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.05 W/kg

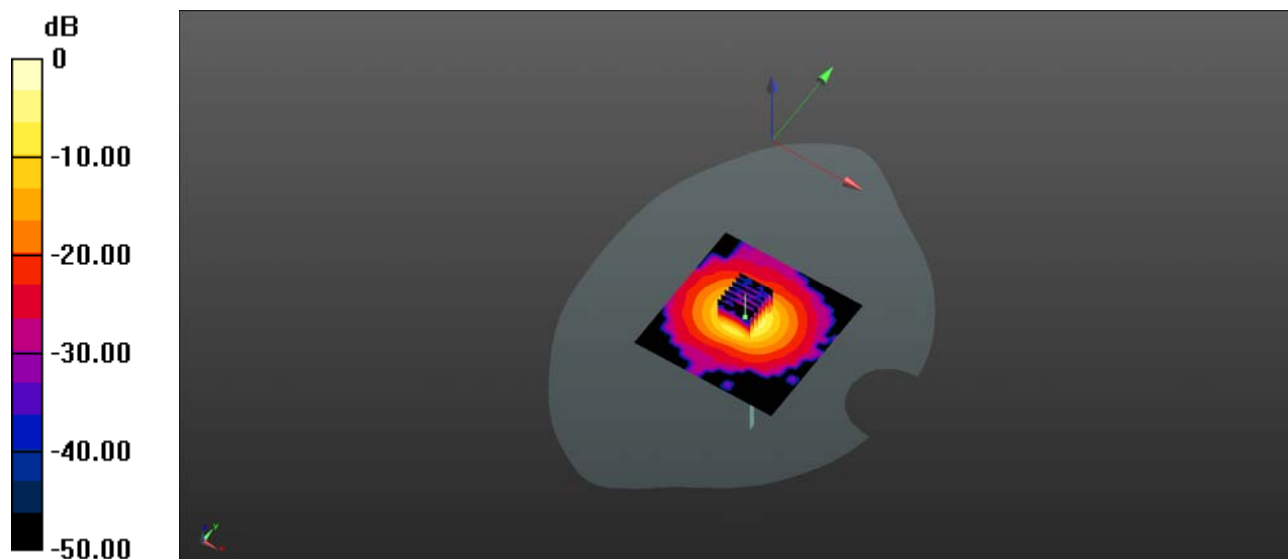
CW5200/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 36.95 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 43.9 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.20 W/kg

Maximum value of SAR (measured) = 14.91 W/kg



0 dB = 14.91 W/kg

System Check_5300MHz_Body_181115

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5300_181115 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.503$ S/m; $\epsilon_r = 48.195$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5300/Area Scan (201x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.5 W/kg

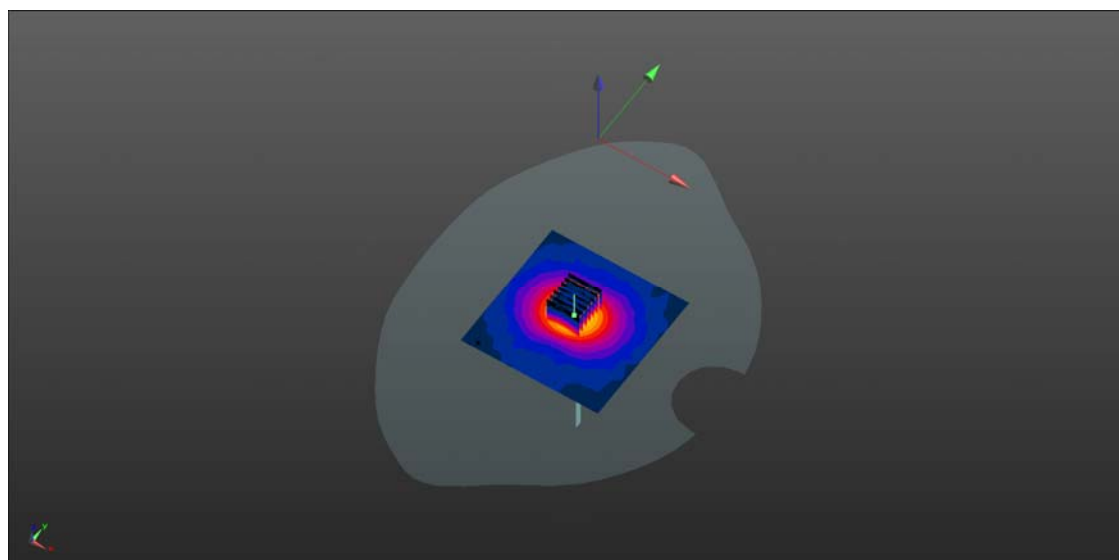
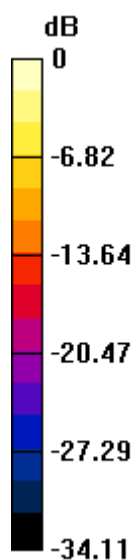
CW5300/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.52 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 42.2 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg

System Check_5800MHz_Body_181115

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: MSL_5800_181115 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.182$ S/m; $\epsilon_r = 47.417$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.11.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5800/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of Total (interpolated) = 8.60 W/kg

CW5800/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.03 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 48.6 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 18.3 W/kg

