

Test Laboratory: Shenzhen EMTEK Co.,Ltd.

Date: 2022/4/22

System Check_H835

DUT: Dipole 835 MHz;Type:D835V2; SN:4d029

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1

Medium: H835_0814 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 41.538$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.1 \text{ }^\circ\text{C}$; Liquid Temperature : $21.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(10.3, 10.3, 10.3); Calibrated: 2022/4/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=250mW/Area Scan (51x91x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$

Maximum value of SAR (interpolated) = 3.76 W/kg

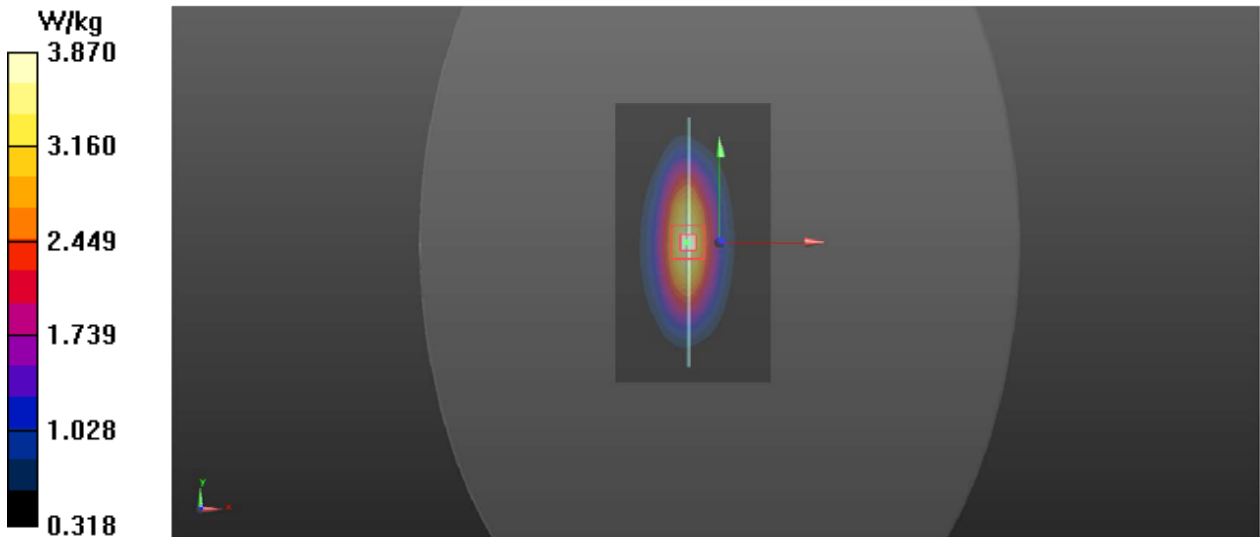
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 63.448 V/m ; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 4.21 W/kg

SAR(1 g) = 2.48 W/kg ; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.87 W/kg



System Check_H1750

DUT: Dipole 1750 MHz;Type:D1750V2; SN:1023

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1

Medium: H1750_0327 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.154$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 22..3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(8.8, 8.8, 8.8); Calibrated: 2022/4/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 16.8 W/kg

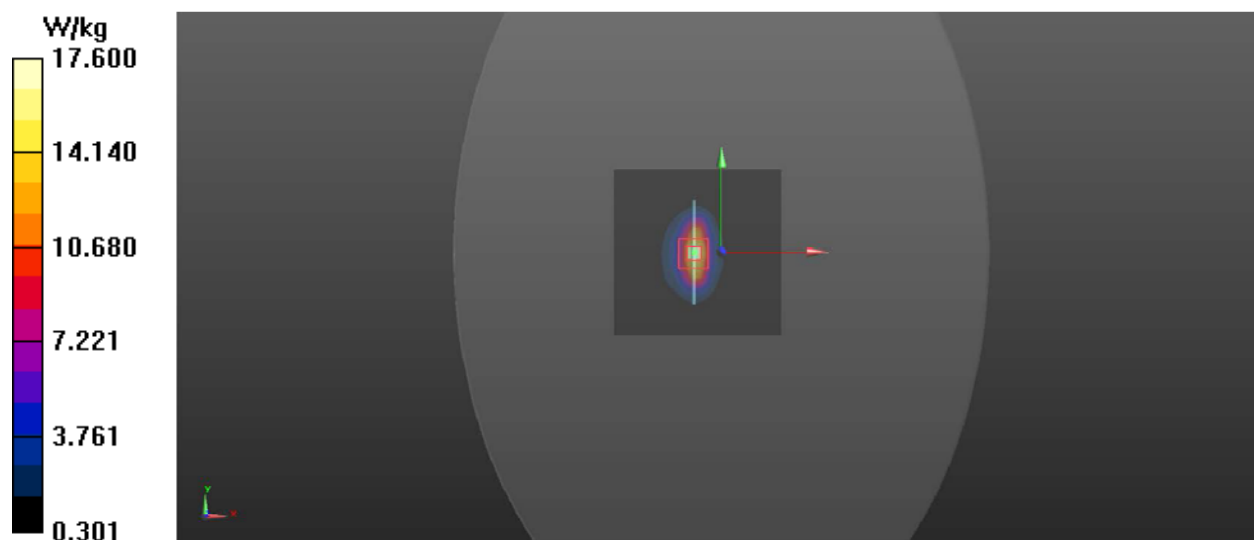
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.5 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 20.8 W/kg

SAR(1 g) = 9.27 W/kg; SAR(10 g) = 4.90 W/kg

Maximum value of SAR (measured) = 17.6 W/kg



System Check_H1950

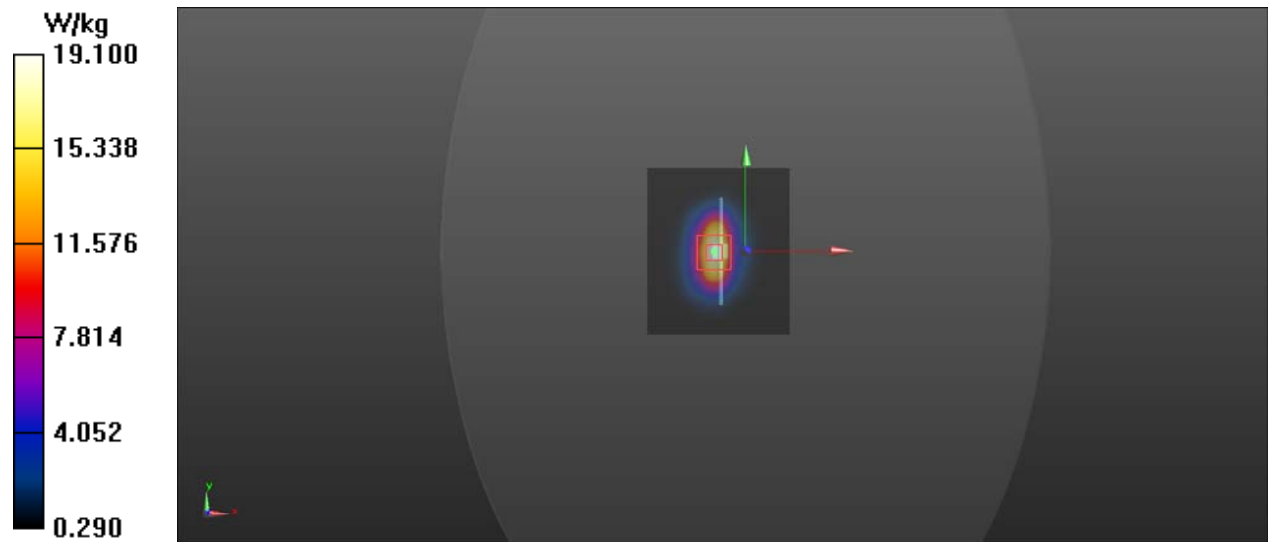
DUT: Dipole 1950 MHz;Type:D1950V2; SN:1056

Communication System: CW; Frequency: 1950 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1950 MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.17$; $\rho = 1000$ kg/m³
Ambient Temperature : 22.4 °C ; Liquid Temperature : 22.2 °C

- DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.5, 8.5, 8.5); Calibrated: 2022/4/18;
 - Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
 - Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
 - Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 20.4 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 113.7 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 23.0 W/kg
SAR(1 g) = 10.16 W/kg; SAR(10 g) = 5.21 W/kg
Maximum value of SAR (measured) = 19.1 W/kg



System Check_H2450

DUT: Dipole 2450 MHz; Type:D2450V2; SN:927

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

Medium: H2450_1223 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.85 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.2°C ; Liquid Temperature : 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(8.06, 8.06, 8.06); Calibrated: 2022/4/18;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=250mW/Area Scan (41x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$

Maximum value of SAR (interpolated) = 25.4 W/kg

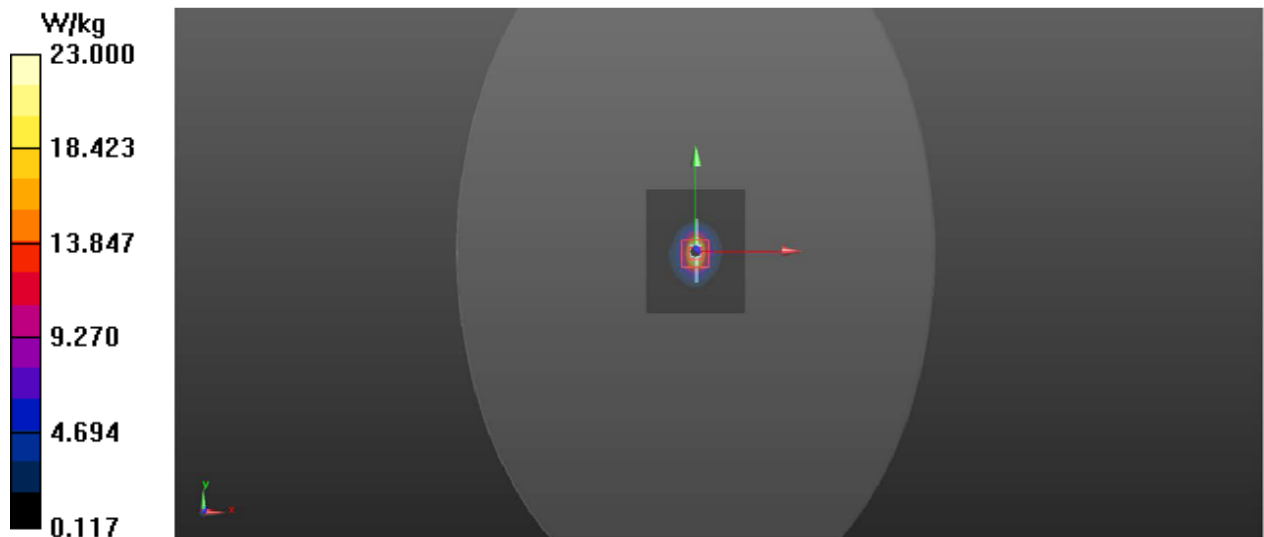
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 115.8 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13.1 W/kg ; SAR(10 g) = 6.11 W/kg

Maximum value of SAR (measured) = 23.0 W/kg



System Check_H5250

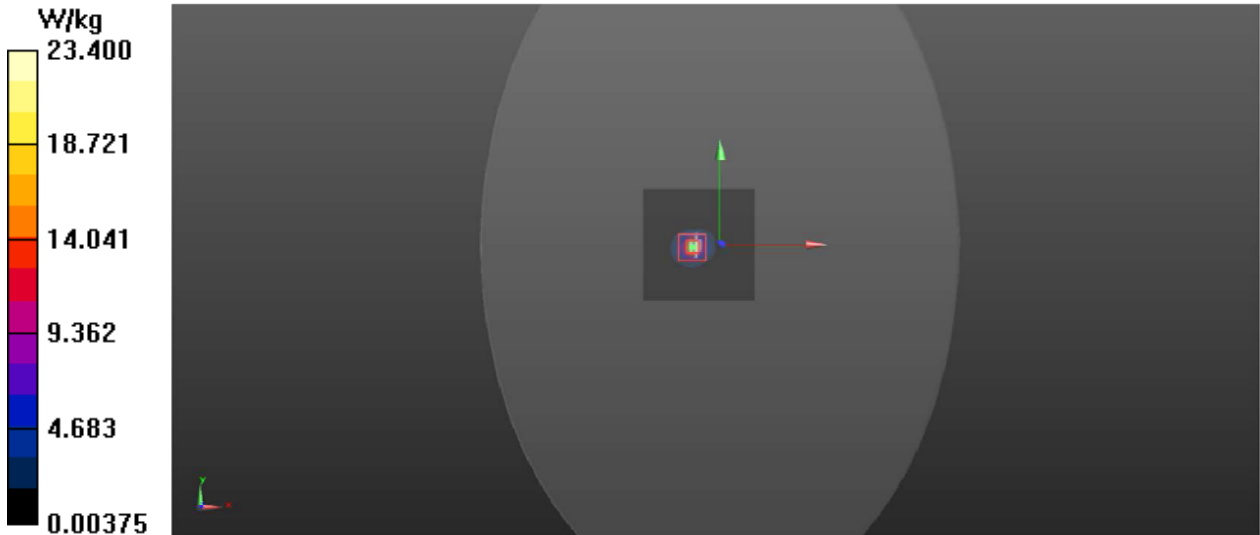
DUT: Dipole 5GHzV2;Type:D5GHzV2; SN:1169

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H5G_0119 Medium parameters used: f = 5250 MHz; σ = 4.798 S/m; ϵ_r = 36.11; ρ = 1000 kg/m³
Ambient Temperature : 21.7 °C; Liquid Temperature : 21.6 °C

- DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(5.85, 5.85, 5.85); Calibrated: 2022/4/18;
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
 - Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
 - Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 22.2 W/kg

Pin=100mW/Zoom Scan (4x4x2mm) (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.745 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 37.8 W/kg
SAR(1 g) =7.66 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 23.4 W/kg



System Check_H5600

DUT: Dipole 5GHzV2;Type:D5GHzV2; SN:1169

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1

Medium: H5G_0119 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.142$ S/m; $\epsilon_r = 35.67$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.17, 5.17, 5.17); Calibrated: 2022/4/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 22.7 W/kg

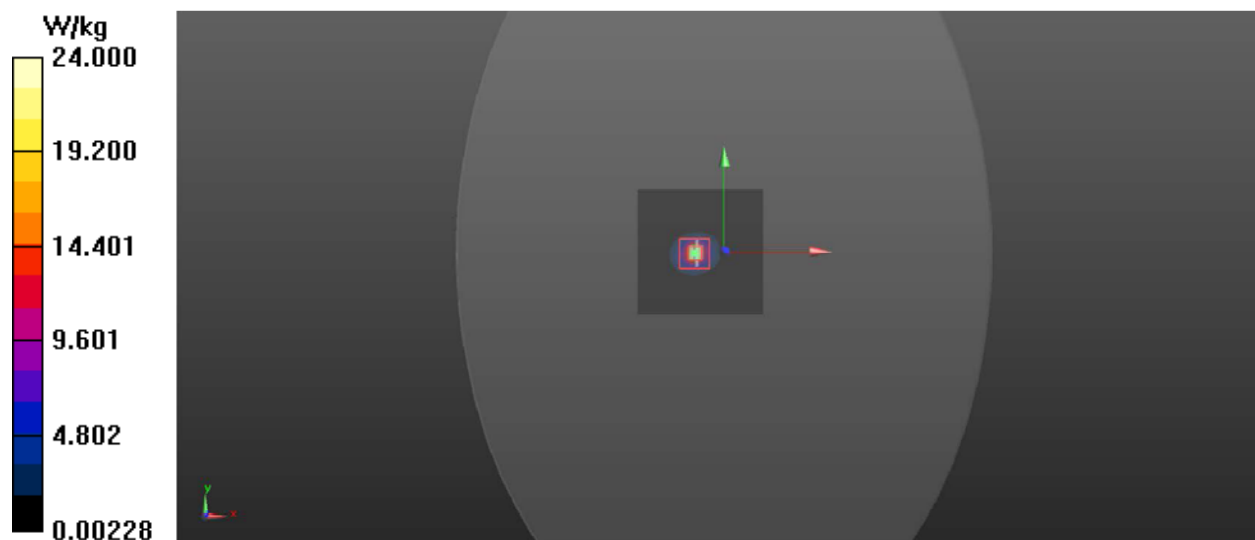
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 59.782 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 39.1 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 24.0 W/kg



System Check_H5800

DUT: Dipole 5GHzV2;Type:D5GHzV2; SN:1169

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1

Medium: H5G_0119 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.295$ S/m; $\epsilon_r = 35.668$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 22.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.2, 5.2, 5.2); Calibrated: 2022/4/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.6 W/kg

Pin=100mW/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 50.789 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 35.0 W/kg

SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 21.5 W/kg

