

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:  $f = 835$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 41.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.8 °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 mm, dy=2.000 mm

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

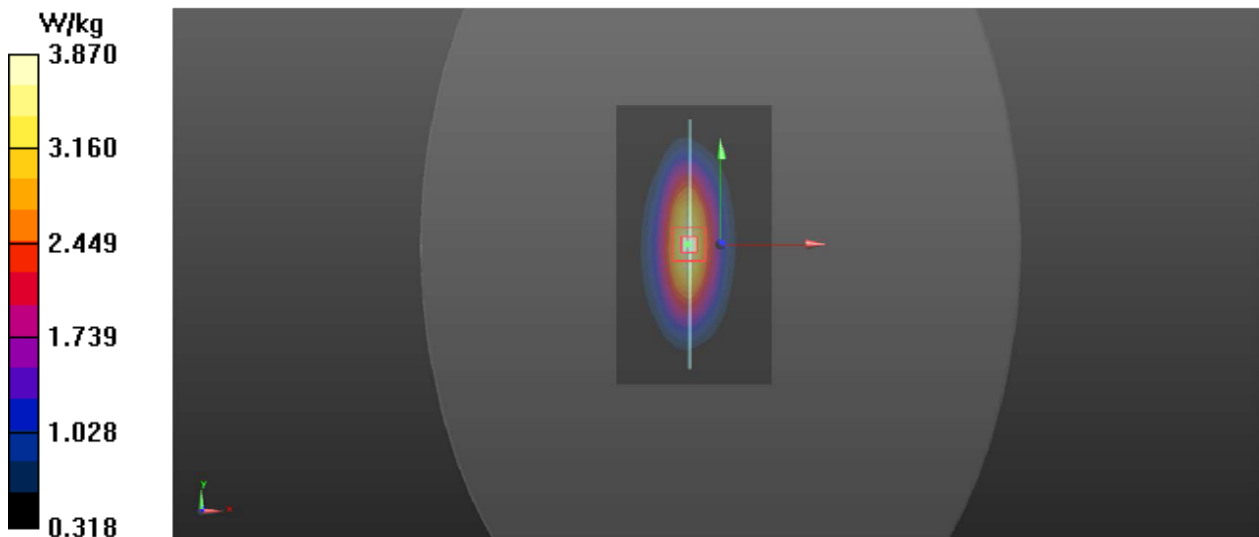
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m<sup>3</sup>

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

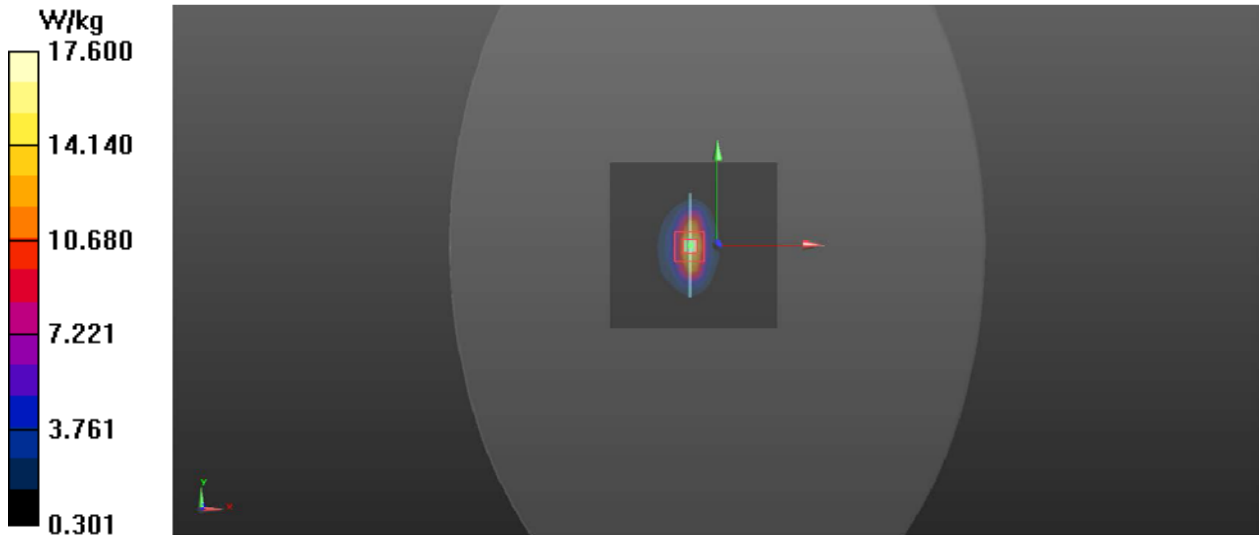
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

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:  $f = 1950 \text{ MHz}$ ;  $\sigma = 1.41 \text{ S/m}$ ;  $\epsilon_r = 40.17$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.4 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.2 \text{ }^\circ\text{C}$

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$  Maximum value of SAR (interpolated) =  $20.4 \text{ W/kg}$

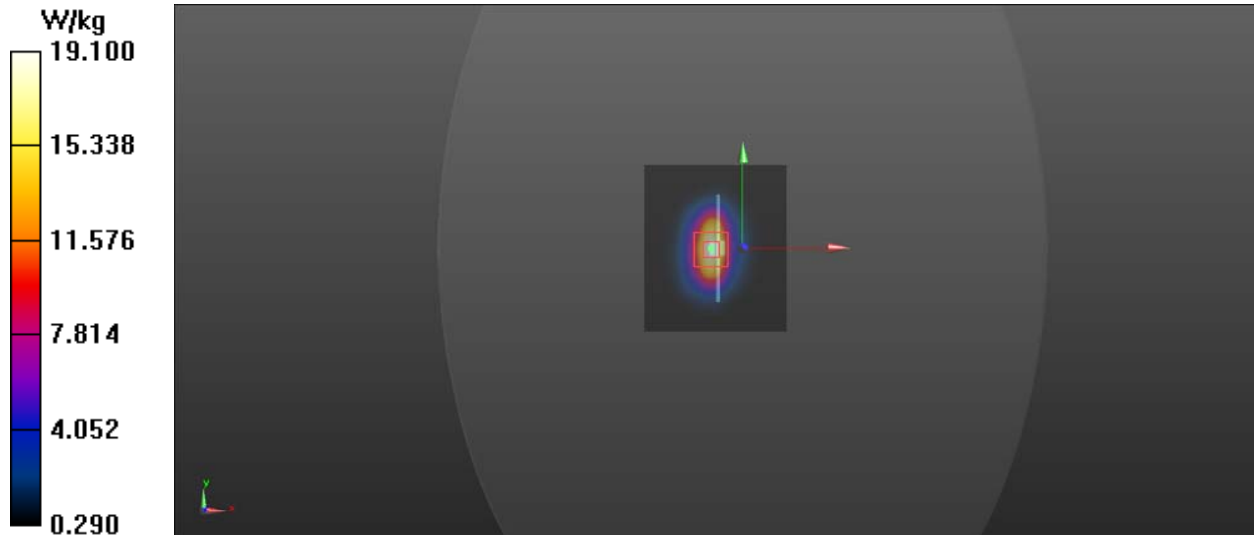
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $113.7 \text{ V/m}$ ; Power Drift =  $0.18 \text{ dB}$

Peak SAR (extrapolated) =  $23.0 \text{ W/kg}$

**SAR(1 g) =  $10.16 \text{ W/kg}$ ; SAR(10 g) =  $5.21 \text{ W/kg}$**

Maximum value of SAR (measured) =  $19.1 \text{ W/kg}$



## 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:  $f = 2450$  MHz;  $\sigma = 1.85$  S/m;  $\epsilon_r = 39.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 mm, dy=2.000 mm

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

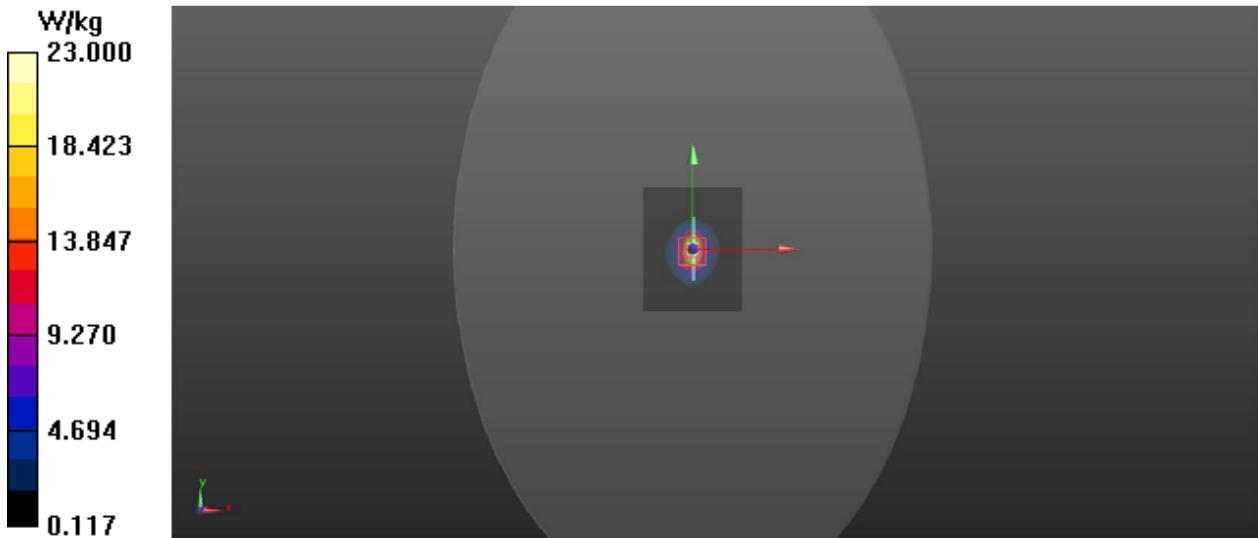
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

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;  $\sigma = 4.798$  S/m;  $\epsilon_r = 36.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

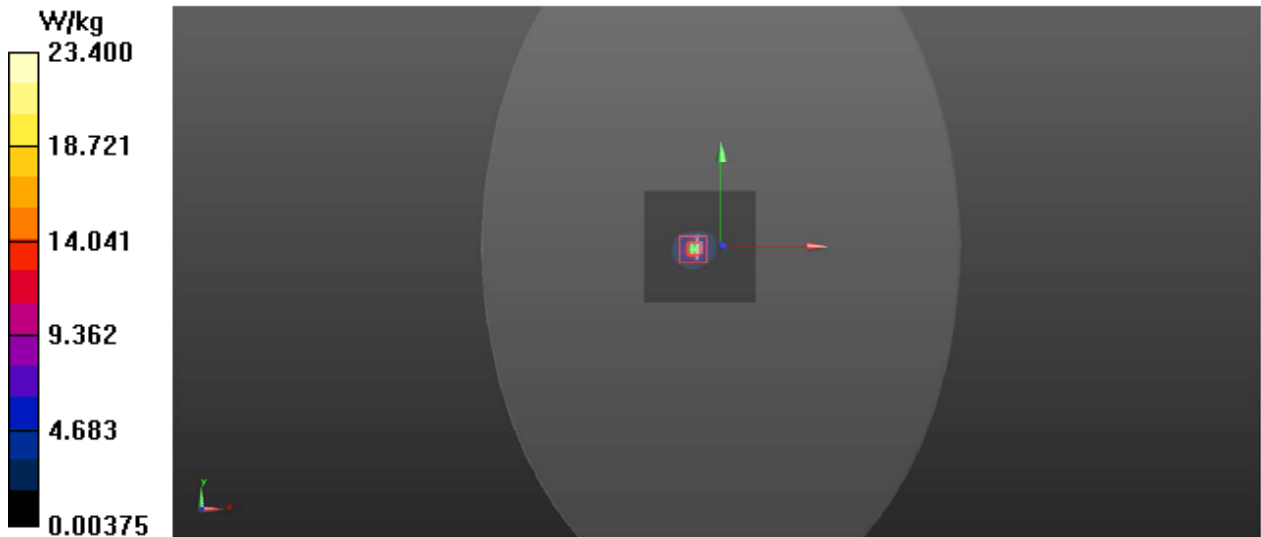
**Pin=100mW/Zoom Scan (4x4x2mm) (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

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/m<sup>3</sup>

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

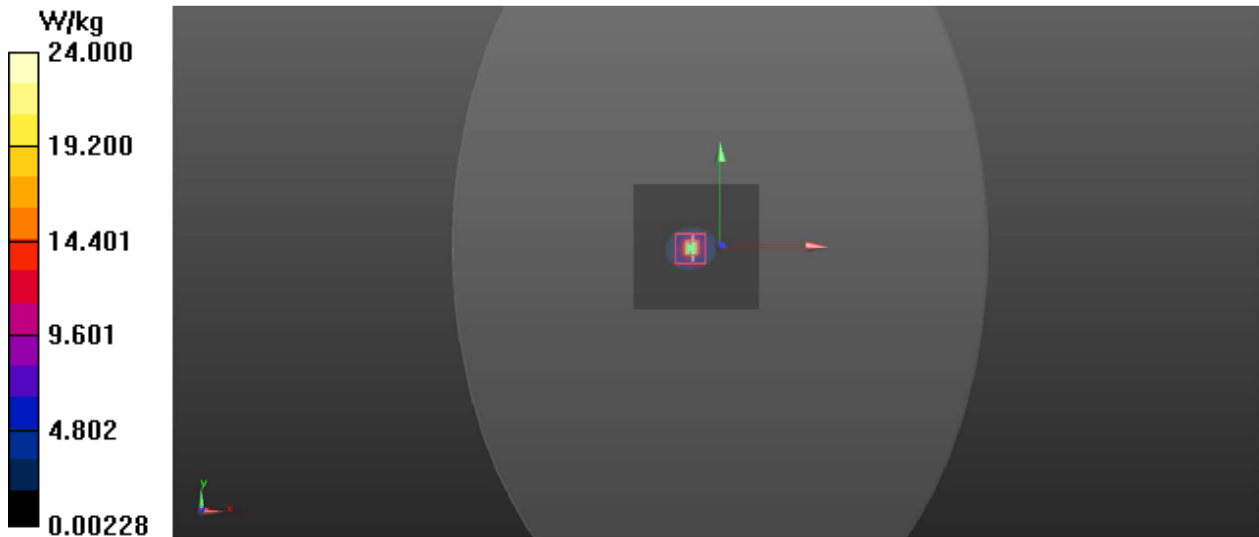
**Pin=100mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

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/m<sup>3</sup>

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

