

Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2024/7/20

### System Check-D2450V2\_H2450

**DUT: Dipole 2450 MHz D2450V2 SN:1014**

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

Medium: H2450 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.845 \text{ S/m}$ ;  $\epsilon_r = 39.397$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7738; ConvF(7.6, 7.6, 7.6) @ 2450 MHz; Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1725; Calibrated: 2023/10/26
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250 mW/Area Scan (71x81x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) =  $20.7 \text{ W/kg}$

**Pin=250 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $110.8 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

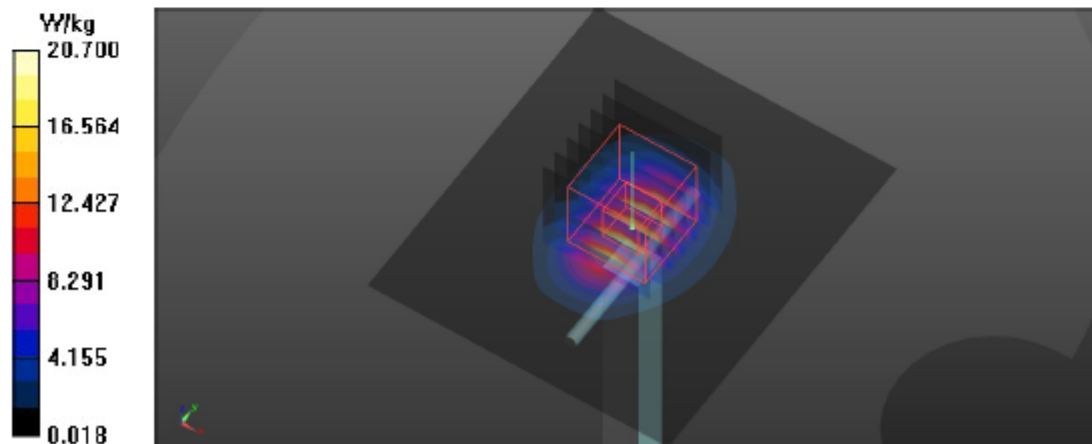
Peak SAR (extrapolated) =  $26.5 \text{ W/kg}$

SAR(1 g) =  $13.2 \text{ W/kg}$ ; SAR(10 g) =  $6.11 \text{ W/kg}$

Smallest distance from peaks to all points 3 dB below =  $9 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $48.8\%$

Maximum value of SAR (measured) =  $20.6 \text{ W/kg}$



Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2024/7/21

### System Check-D5GHz\_H5250

DUT: Dipole D5GHzV2 SN:1280

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H5G Medium parameters used:  $f = 5250 \text{ MHz}$ ;  $\sigma = 4.628 \text{ S/m}$ ;  $\epsilon_r = 37.119$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7738; ConvF(5.38, 5.38, 5.38) @ 5250 MHz; Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1725; Calibrated: 2023/10/26
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 19.2 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 73.57 V/m; Power Drift = 0.06 dB

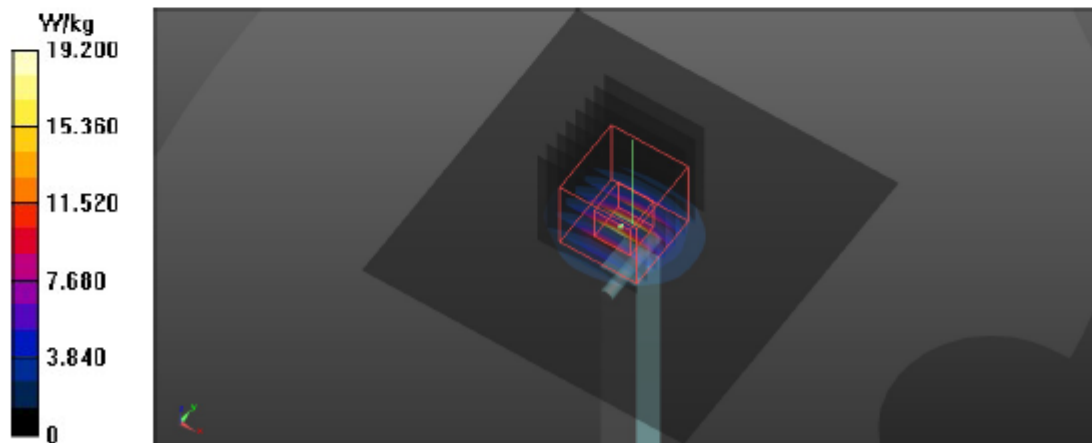
Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.32 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 20.0 W/kg



Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2024/7/23

### System Check-D5GHz\_H5600

DUT: Dipole D5GHzV2 SN:1280

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H5G Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.016$  S/m;  $\epsilon_r = 36.456$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7738; ConvF(5.65, 5.65, 5.65) @ 5600 MHz; Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1725; Calibrated: 2023/10/26
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 19.9 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.81 V/m; Power Drift = -0.03 dB

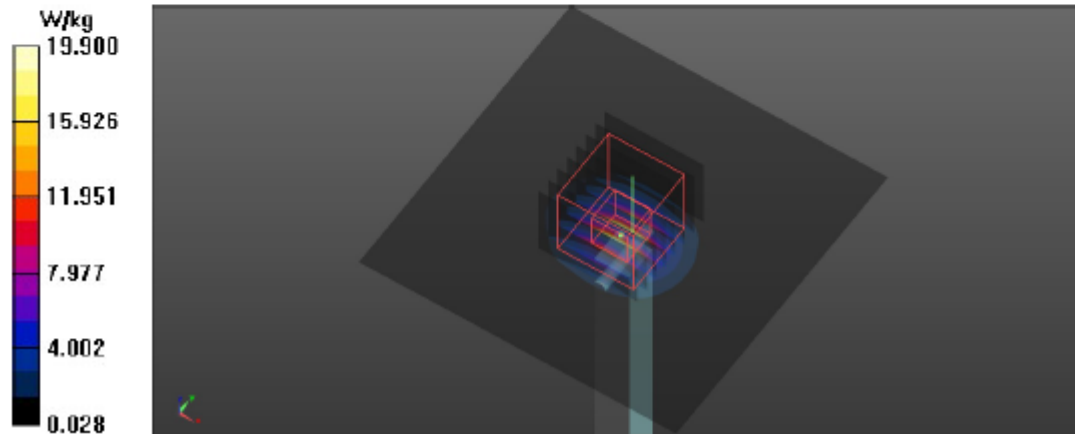
Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 8.1 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 19.3 W/kg



Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2024/7/22

### System Check-D5GHz\_H5800

**DUT: Dipole D5GHzV2 SN:1280**

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

Medium: H5G Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.242 \text{ S/m}$ ;  $\epsilon_r = 36.109$ ;  $\rho = 1000 \text{ kg/m}^3$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7738; ConvF(4.74, 4.74, 4.74) @ 5800 MHz; Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1725; Calibrated: 2023/10/26
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=100mW/Area Scan (91x91x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 21.2 W/kg

**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value = 71.28 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 40.9 W/kg

SAR(1 g) = 8.44 W/kg; SAR(10 g) = 2.36 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.3%

Maximum value of SAR (measured) = 21.1 W/kg

