

Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2022/1/3

System Check-D2450V2_H2450

DUT: Dipole 2450 MHz D2450V2 SN:1014

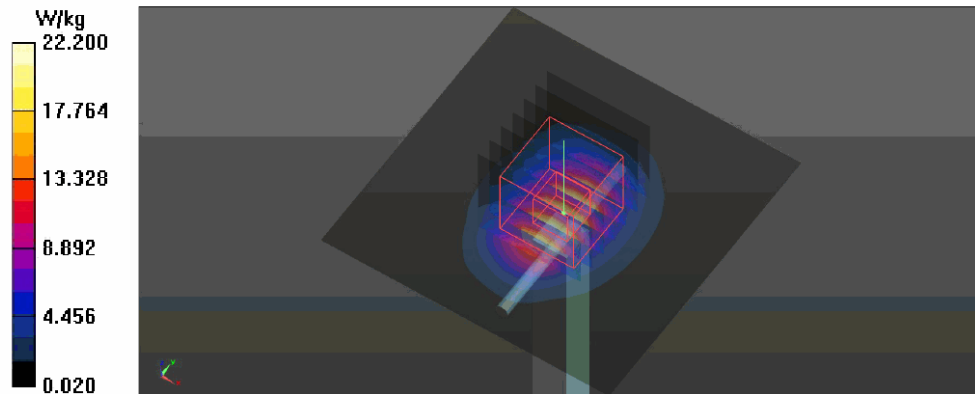
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.872$ S/m; $\epsilon_r = 38.152$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.8, 7.8, 7.8) @ 2450 MHz; Calibrated: 2021/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2021/5/20
- 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=250 mW/Area Scan (71x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 22.2 W/kg

Pin=250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 109.6 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 26.8 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.28 W/kg
Maximum value of SAR (measured) = 21.9 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2021/12/29

System Check-D5GHz_H5250

DUT: Dipole D5GHzV2 SN:1280

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

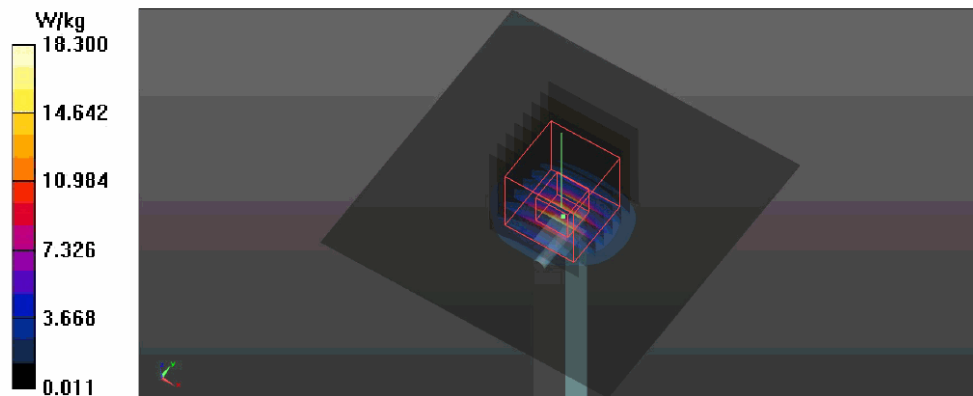
Medium: H5G Medium parameters used: $f = 5250$ MHz; $\sigma = 4.735$ S/m; $\epsilon_r = 36.296$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.39, 5.39, 5.39) @ 5250 MHz; Calibrated: 2021/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2021/5/20
- 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=100 mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.3 W/kg

Pin=100 mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 66.30 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.22 W/kg
Maximum value of SAR (measured) = 18.7 W/kg



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Date: 2021/12/30

System Check-D5GHz_H5600

DUT: Dipole D5GHzV2 SN:1280

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

Medium: H5G Medium parameters used: $f = 5600$ MHz; $\sigma = 5.092$ S/m; $\epsilon_r = 35.786$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.93, 4.93, 4.93) @ 5600 MHz; Calibrated: 2021/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2021/5/20
- 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)

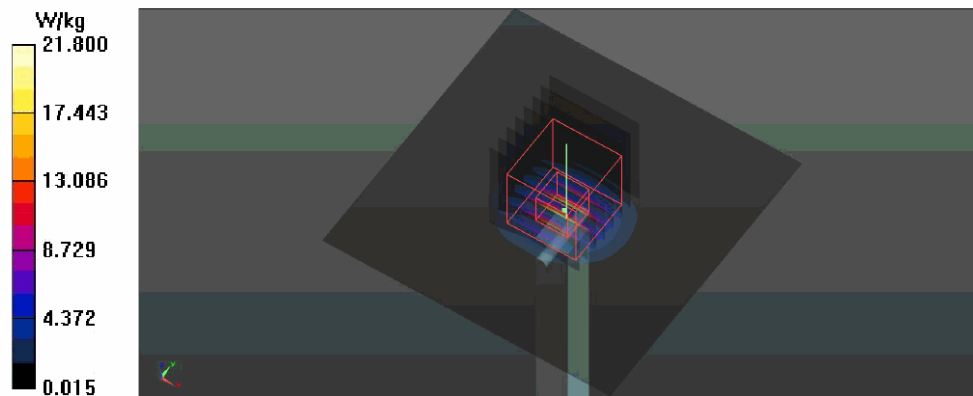
Pin=100 mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 21.8 W/kg

Pin=100 mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 69.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 39.2 W/kg

SAR(1 g) = 8.77 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 21.3 W/kg



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Date: 2021/12/31

System Check-D5GHz_H5800

DUT: Dipole D5GHzV2 SN:1280

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

Medium: H5G Medium parameters used: $f = 5800$ MHz; $\sigma = 5.305$ S/m; $\epsilon_r = 35.501$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95) @ 5800 MHz; Calibrated: 2021/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2021/5/20
- 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=100 mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 19.8 W/kg

Pin=100 mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 68.81 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 36.0 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.21 W/kg

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

