

Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2021/7/19

System Check-D2450V2_H2450

DUT: Dipole 2450 MHz D2450V2 SN:1014

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

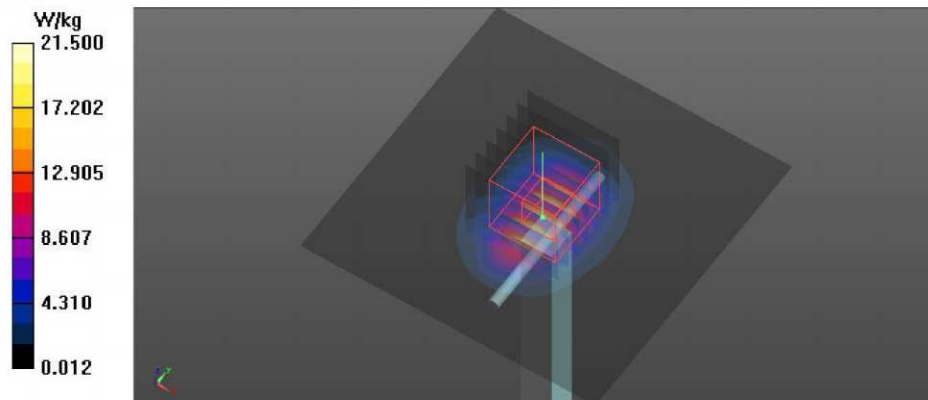
Medium: H2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 37.969$; $\rho = 1000$ kg/m³

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 (71x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 21.5 W/kg

Pin=250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 108.5 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 26.1 W/kg
SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.75 W/kg
Maximum value of SAR (measured) = 20.8 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2021/3/18

System Check-D5GHz_H5250

DUT: Dipole D5GHzV2 SN:1280

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

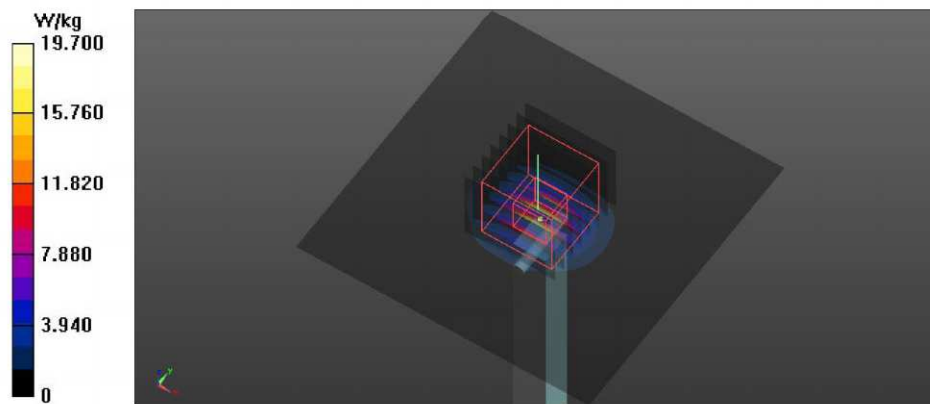
Medium: H5G Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.734 \text{ S/m}$; $\epsilon_r = 36.297$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.34, 5.34, 5.34) @ 5250 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 19.7 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 = 73.68 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 35.6 W/kg
SAR(1 g) = 8.44 W/kg; SAR(10 g) = 2.37 W/kg
Maximum value of SAR (measured) = 20.6 W/kg



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System Check-D5GHz_H5600

DUT: Dipole D5GHzV2 SN:1280

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

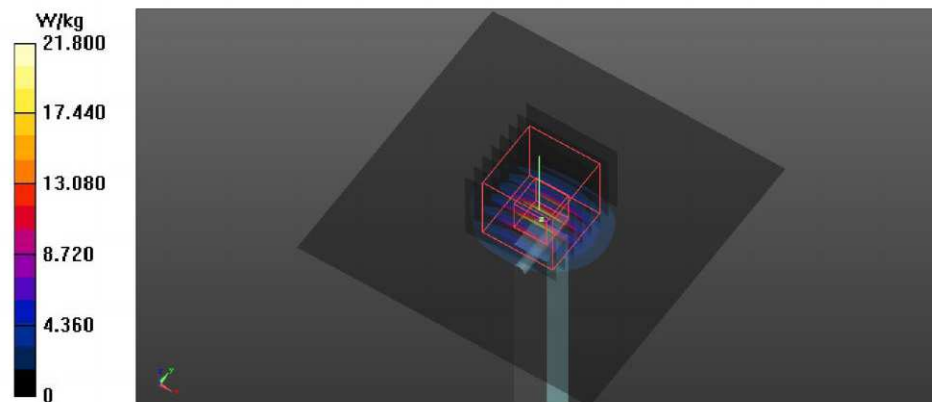
Medium: H5G Medium parameters used: $f = 5600$ MHz; $\sigma = 5.092$ S/m; $\epsilon_r = 35.786$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.88, 4.88, 4.88) @ 5600 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- 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) = 21.8 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 73.76 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 40.6 W/kg
SAR(1 g) = 8.84 W/kg; SAR(10 g) = 2.47 W/kg
Maximum value of SAR (measured) = 21.8 W/kg



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System Check-D5GHz_H5800

DUT: Dipole D5GHzV2 SN:1280

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

Medium: H5G Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.305 \text{ S/m}$; $\epsilon_r = 35.499$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.94, 4.94, 4.94) @ 5800 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- 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: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 21.0 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 = 71.08 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 41.1 W/kg
SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.36 W/kg
Maximum value of SAR (measured) = 21.2 W/kg

