

Test Laboratory: KES Co., Ltd.

System verification_450_HSL

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1081

Communication System: CW; Frequency: 450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 450$ MHz; $\sigma = 0.837$ mho/m; $\epsilon_r = 42.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(9.98, 9.98, 9.98); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_450/Area Scan (5x21x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 mW/g

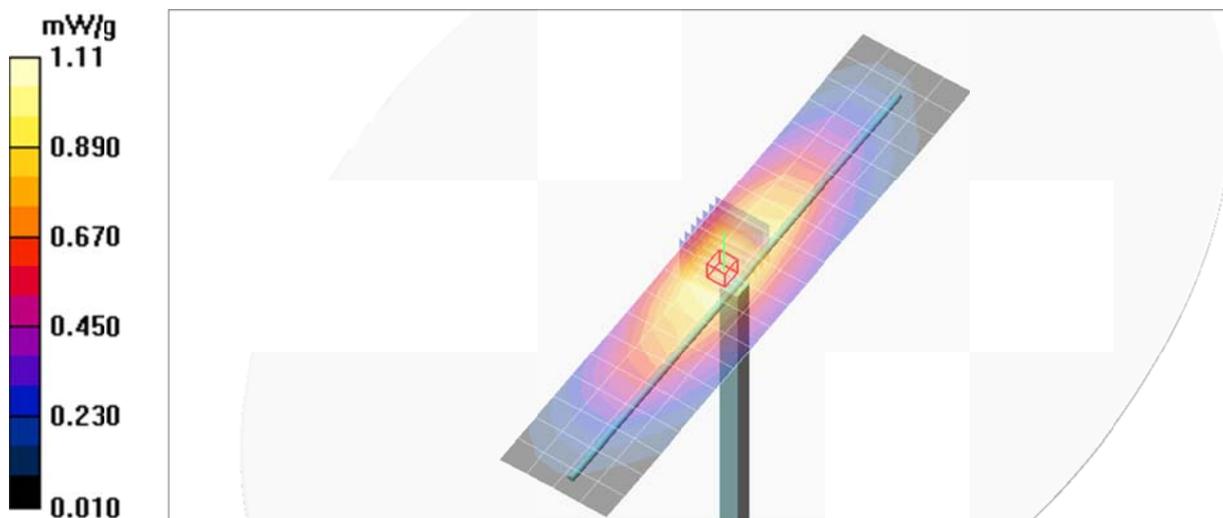
Flat-Section_HSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.9 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.19 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



Test Laboratory: KES Co., Ltd.

System verification_450_MSL

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1081

Communication System: CW; Frequency: 450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 450$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 58.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(10.25, 10.25, 10.25); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_450/Area Scan (41x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.26 mW/g

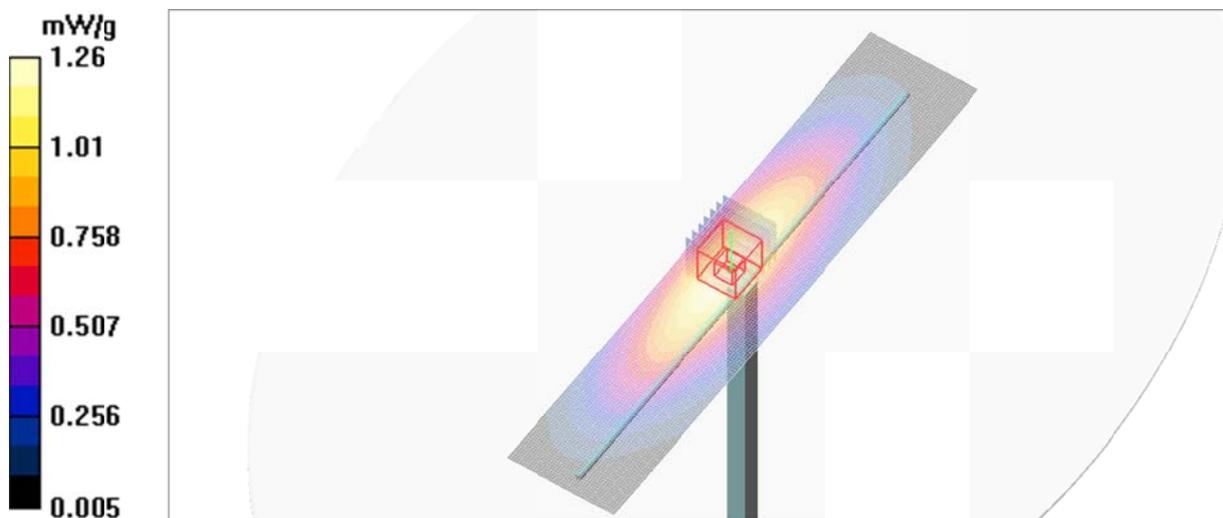
Flat-Section_MSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.2 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.825 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



Test Laboratory: KES Co., Ltd.

Face_GMRS_Analog_25mm Gap_462.6375

DUT: T75A; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 462.637 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 462.75$ MHz; $\sigma = 0.856$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(9.98, 9.98, 9.98); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Face_GMRS_Analog_25mm Gap_462.6375/Area Scan (51x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.546 mW/g

Face_GMRS_Analog_25mm Gap_462.6375/Zoom Scan (7x7x7)/Cube 0:

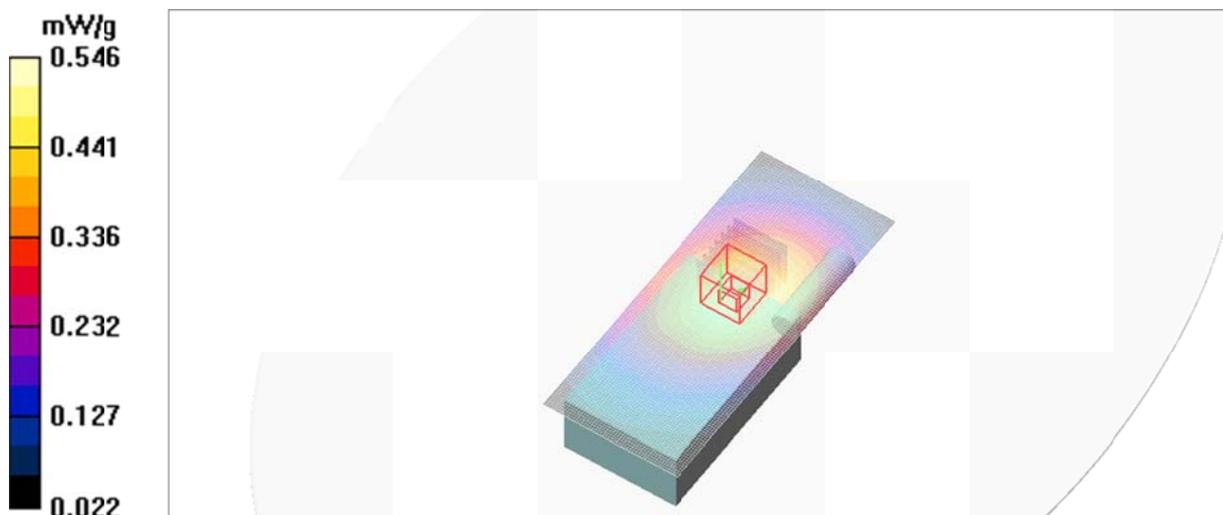
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.556 mW/g



Test Laboratory: KES Co., Ltd.

Face_FRS_Analog_25mm Gap_467.6375

DUT: T75A; Type: Bar; Serial: N/A

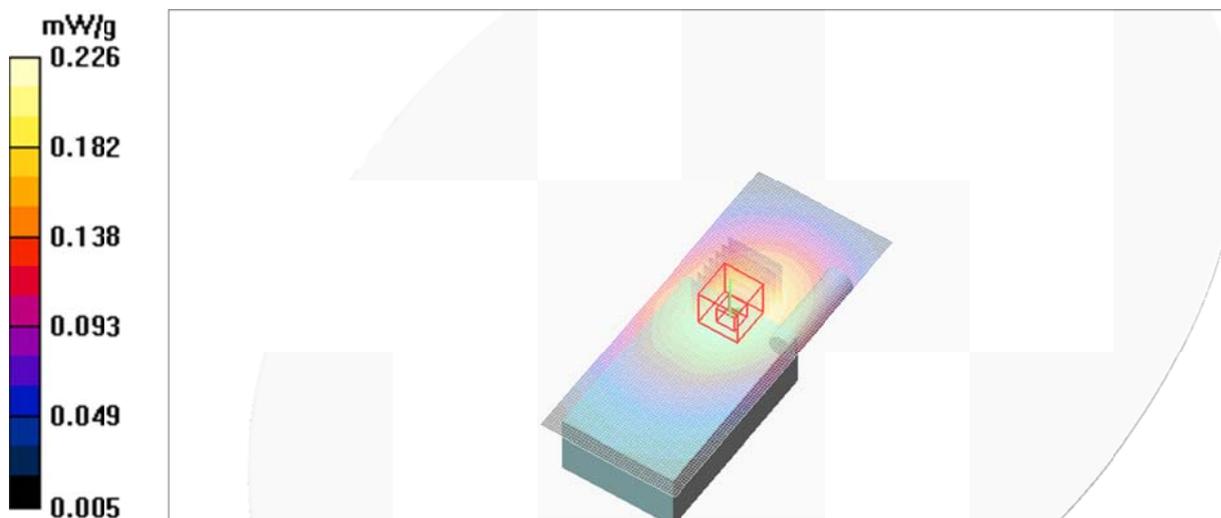
Communication System: CW; Frequency: 467.637 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 467.75$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 42.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(9.98, 9.98, 9.98); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Face_FRS_Analog_25mm Gap_467.6375/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.226 mW/g

Face_FRS_Analog_25mm Gap_467.6375/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.225 mW/g



Test Laboratory: KES Co., Ltd.

Body_GMRS_Analog_Touch_462.6375

DUT: T75A; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 462.637 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 462.75$ MHz; $\sigma = 0.946$ mho/m; $\epsilon_r = 58.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

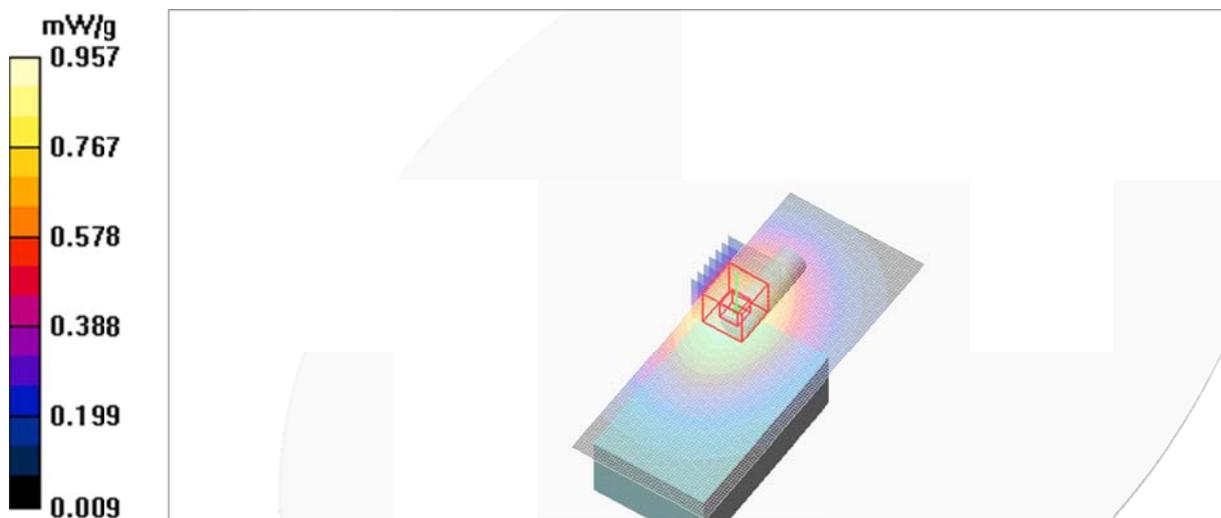
- Probe: EX3DV4 - SN3879; ConvF(10.25, 10.25, 10.25); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body_GMRS_Analog_Touch_462.6375/Area Scan (51x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.957 mW/g

Body_GMRS_Analog_Touch_462.6375/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 30.1 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.630 mW/g
Maximum value of SAR (measured) = 0.897 mW/g



Test Laboratory: KES Co., Ltd.

Body_FRS_Analog_Touch_467.6375

DUT: T75A; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 467.637 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 467.75$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 58.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(10.25, 10.25, 10.25); Calibrated: 2014-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body_FRS_Analog_Touch_467.6375/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.300 mW/g

Body_FRS_Analog_Touch_467.6375/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.291 mW/g

