

Date/Time: 2014-11-07 AM 9:50:09

Test Laboratory: KES Co., Ltd.

System verification_450_HSL

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1084

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

Medium parameters used: $f = 450$ MHz; $\sigma = 0.853$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(7.23, 7.23, 7.23); Calibrated: 2014-05-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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 (41x201x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

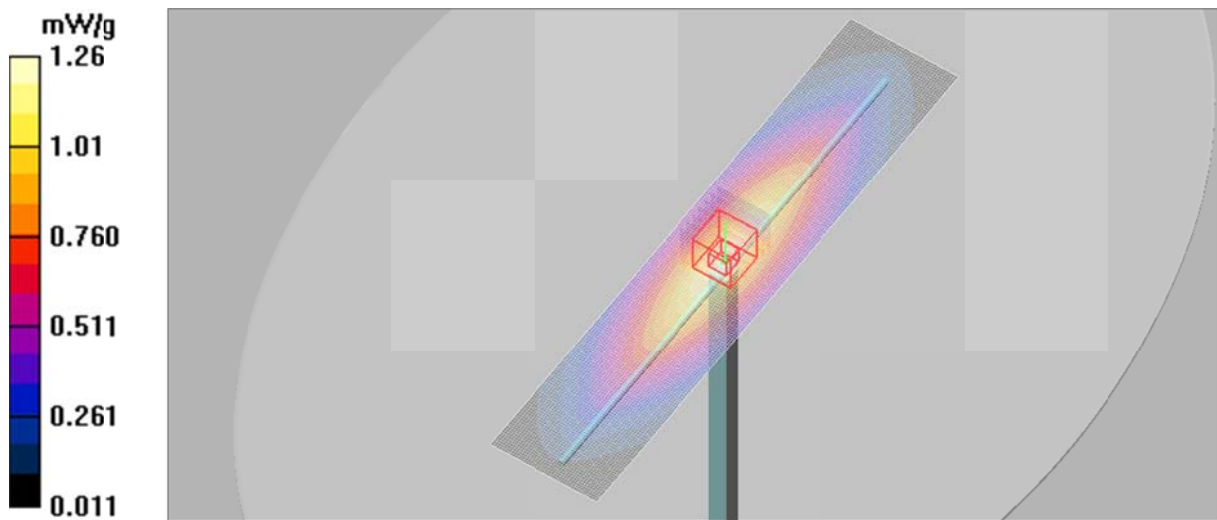
Flat-Section_HSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.8 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.852 mW/g

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



Date/Time: 2014-11-11 PM 12:58:53

Test Laboratory: KES Co., Ltd.

System verification_450_MSL

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1084

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

Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1782; ConvF(7.15, 7.15, 7.15); Calibrated: 2014-03-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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) = 1.28 mW/g

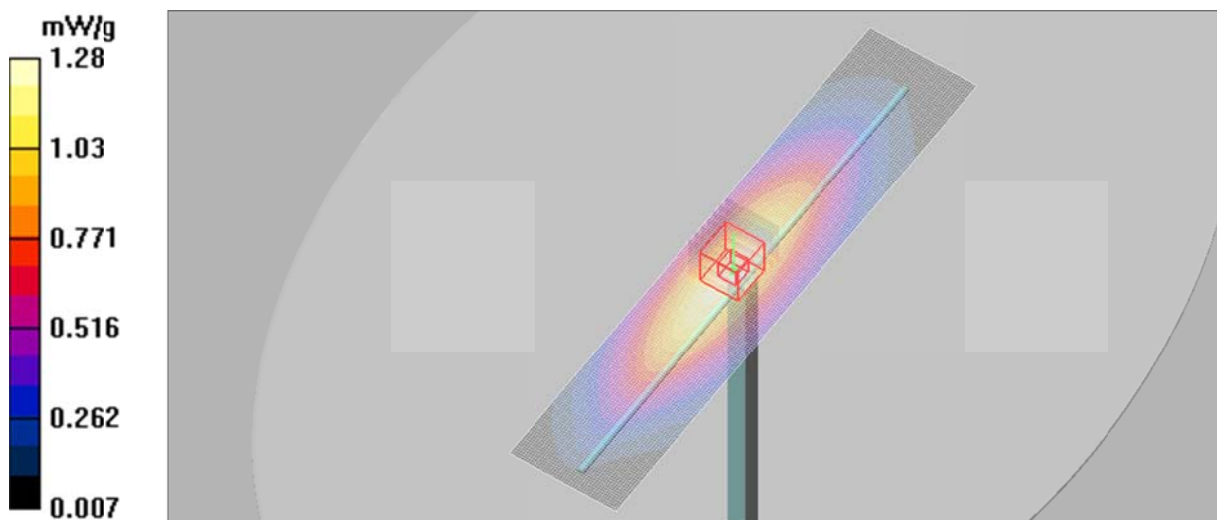
Flat-Section_MSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.0 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.769 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



#1

Date/Time: 2014-11-07 AM 11:04:16

Test Laboratory: KES Co., Ltd.

Face_GMRS_Analog_25mm Gap_462.6375

DUT: T35; Type: Bar; Serial: N/A

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

Medium parameters used (interpolated): $f = 462.637$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(7.23, 7.23, 7.23); Calibrated: 2014-05-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.211 mW/g

Face_GMRS_Analog_25mm Gap_462.6375/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

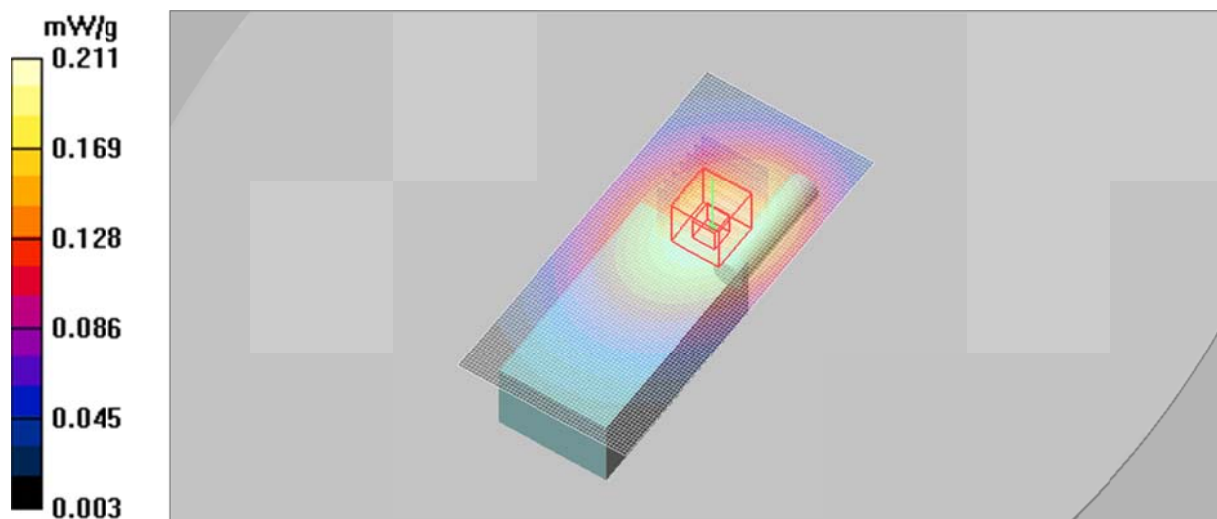
Reference Value = 15.6 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.162 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.216 mW/g



#2

Date/Time: 2014-11-07 PM 1:44:43

Test Laboratory: KES Co., Ltd.

Face_FRS_Analog_25mm Gap_467.6375

DUT: T35; Type: Bar; Serial: N/A

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

Medium parameters used (interpolated): $f = 467.637$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 44.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(7.23, 7.23, 7.23); Calibrated: 2014-05-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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 (51x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.178 mW/g

Face_FRS_Analog_25mm Gap_467.6375/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

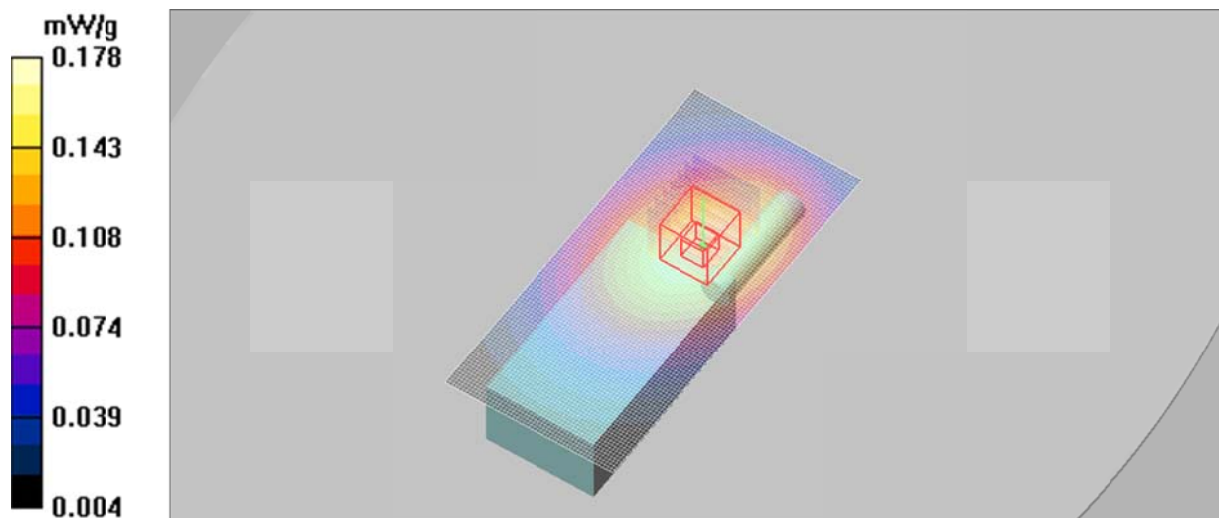
Reference Value = 14.0 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.130 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.177 mW/g



#3

Date/Time: 2014-11-11 PM 3:58:47

Test Laboratory: KES Co., Ltd.

Body_GMRS_Analog_Touch_462.6375

DUT: T35; Type: Bar; Serial: N/A

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

Medium parameters used (interpolated): $f = 462.637$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 57$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1782; ConvF(7.15, 7.15, 7.15); Calibrated: 2014-03-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.250 mW/g

Body_GMRS_Analog_Touch_462.6375/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

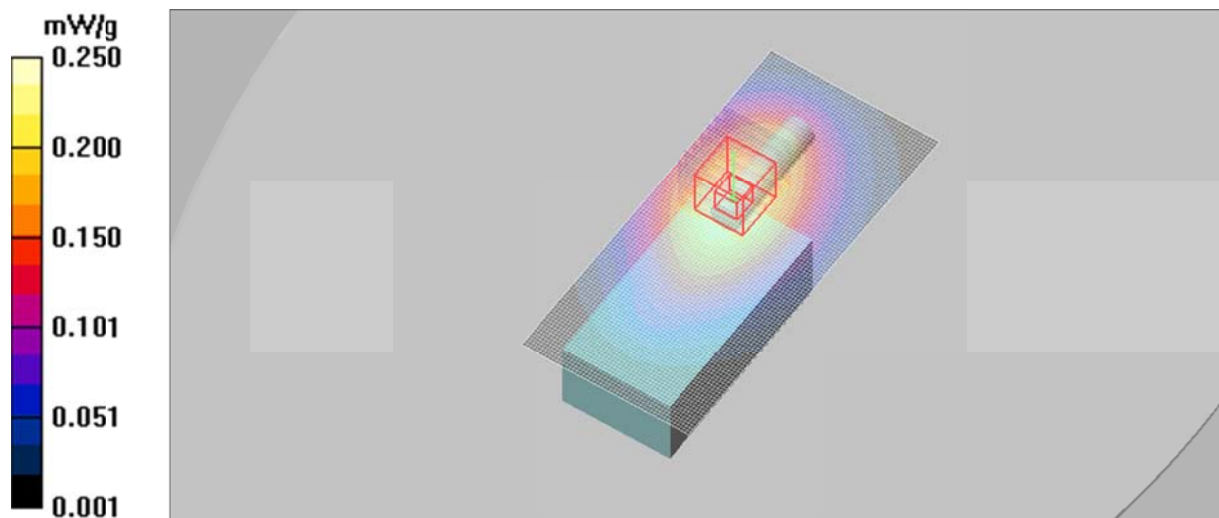
Reference Value = 15.7 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.171 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.252 mW/g



#4

Date/Time: 2014-11-11 PM 2:24:13

Test Laboratory: KES Co., Ltd.

Body_FRS_Analog_Touch_467.6375

DUT: T35; Type: Bar; Serial: N/A

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

Medium parameters used (interpolated): $f = 467.637$ MHz; $\sigma = 0.938$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1782; ConvF(7.15, 7.15, 7.15); Calibrated: 2014-03-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2014-10-15
- 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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.257 mW/g

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

Reference Value = 15.9 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.169 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.252 mW/g

