

Date/Time: 2015-08-31 AM 11:20:11

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; $\sigma = 0.835$ mho/m; $\epsilon_r = 43.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.91, 6.91, 6.91); Calibrated: 2015-05-27
- 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: DAS4, 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) = 1.20 mW/g

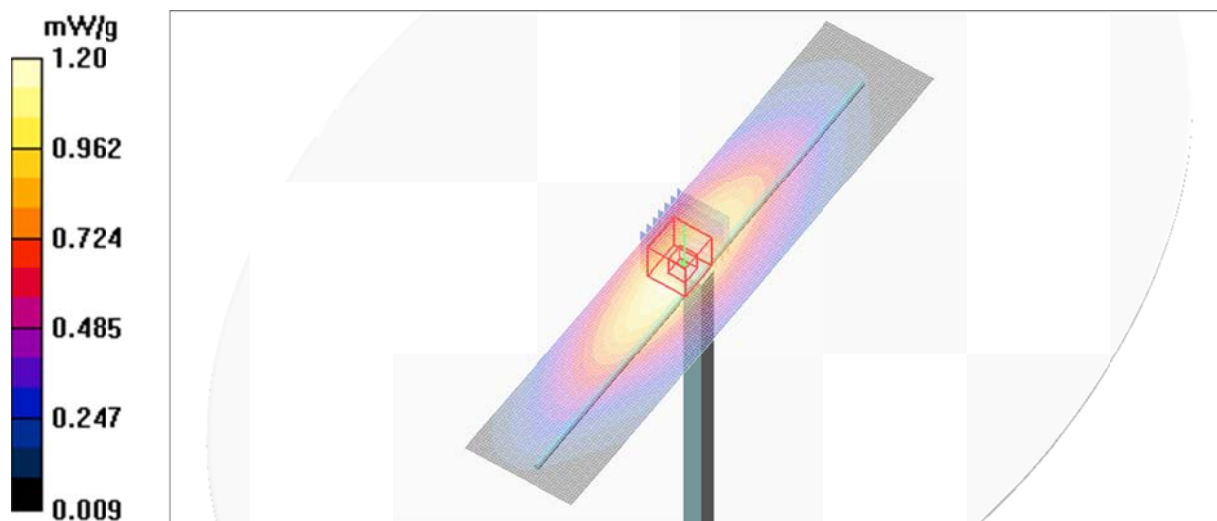
Flat-Section_HSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.2 V/m; Power Drift = 0.206 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.848 mW/g

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



Date/Time: 2015-08-31 PM 3:05:50

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; $\sigma = 0.899$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.99, 6.99, 6.99); Calibrated: 2015-05-27
- 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) = 1.09 mW/g

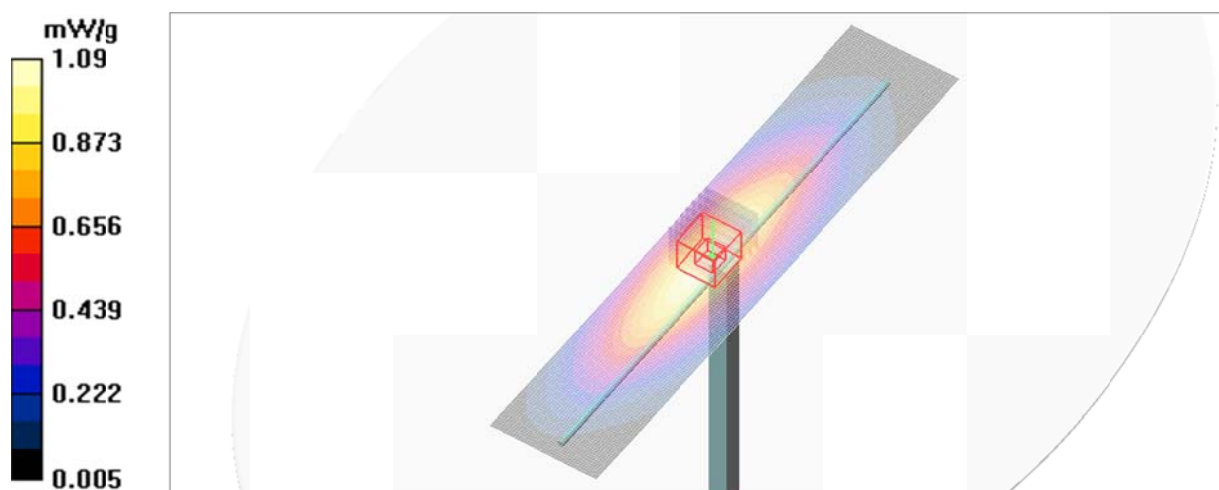
Flat-Section_MSL_450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.3 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.701 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



Plot 1

Date/Time: 2015-08-31 PM 1:13:34

Test Laboratory: KES Co., Ltd.

Face_GMRS_Analog_25mm Gap_462.7250

DUT: LXT535PA; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 462.725 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 462.725$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 43.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.91, 6.91, 6.91); Calibrated: 2015-05-27
- 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_462.7250/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.778 mW/g

Face_GMRS_Analog_25mm Gap_462.7250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

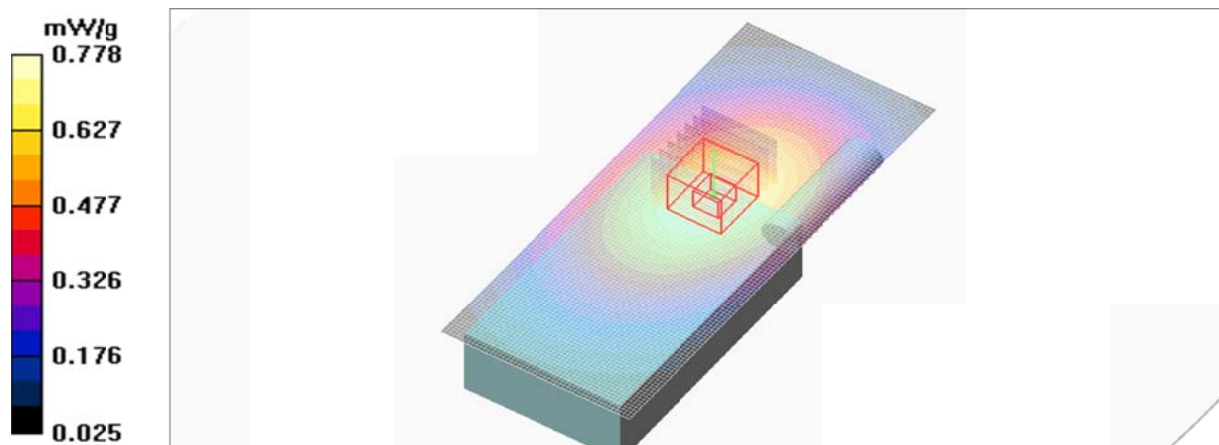
Reference Value = 30.8 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.566 mW/g

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

Maximum value of SAR (measured) = 0.749 mW/g



Test Laboratory: KES Co., Ltd.

Face_FRS_Analog_25mm Gap_467.7125**DUT: LXT535PA; Type: Bar; Serial: N/A**

Communication System: CW; Frequency: 467.712 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 467.712$ MHz; $\sigma = 0.862$ mho/m; $\epsilon_r = 43.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.91, 6.91, 6.91); Calibrated: 2015-05-27
- 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_467.7125/Area Scan (51x121x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.360 mW/g

Face_FRS_Analog_25mm Gap_467.7125/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

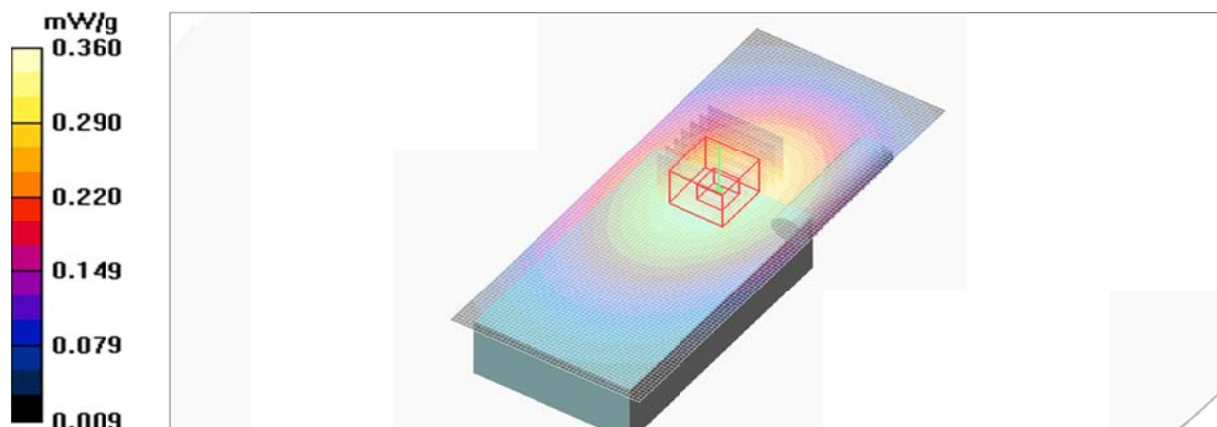
Reference Value = 20.0 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.275 mW/g

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

Maximum value of SAR (measured) = 0.367 mW/g



Test Laboratory: KES Co., Ltd.

Body_GMRS_Analog_Touch_462.7250

DUT: LXT535PA; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 462.725 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 462.725$ MHz; $\sigma = 0.908$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.99, 6.99, 6.99); Calibrated: 2015-05-27
- 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_462.7250/Area Scan (51x121x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.12 mW/g

Body_GMRS_Analog_Touch_462.7250/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

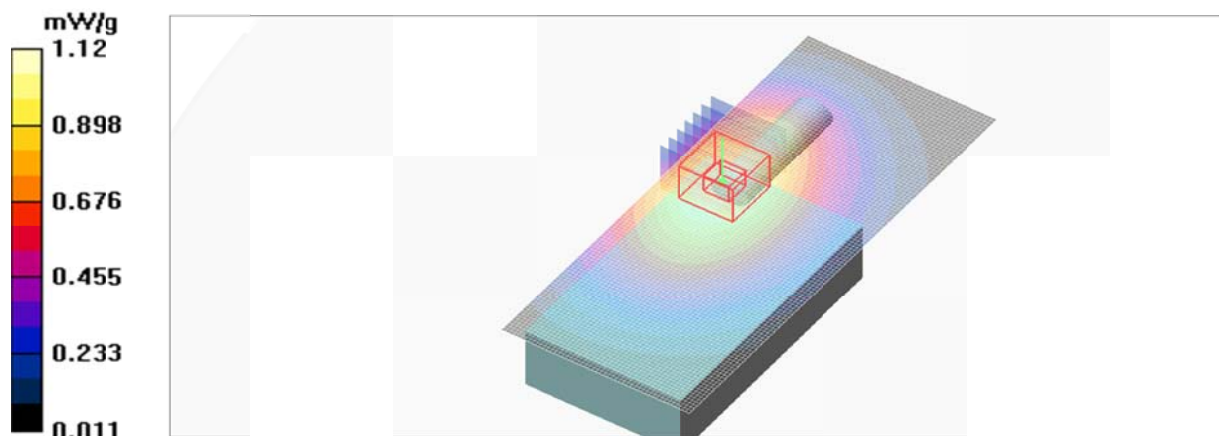
Reference Value = 31.3 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.744 mW/g

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

Maximum value of SAR (measured) = 1.06 mW/g



Test Laboratory: KES Co., Ltd.

Body_FRS_Analog_Touch_467.7125

DUT: LXT535PA; Type: Bar; Serial: N/A

Communication System: CW; Frequency: 467.712 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 467.712$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3315; ConvF(6.99, 6.99, 6.99); Calibrated: 2015-05-27
- 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_467.7125/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.476 mW/g

Body_FRS_Analog_Touch_467.7125/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.327 mW/g

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

Maximum value of SAR (measured) = 0.467 mW/g

