

Test Laboratory: KES Co., Ltd.

System verification_2450_HSL

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:896

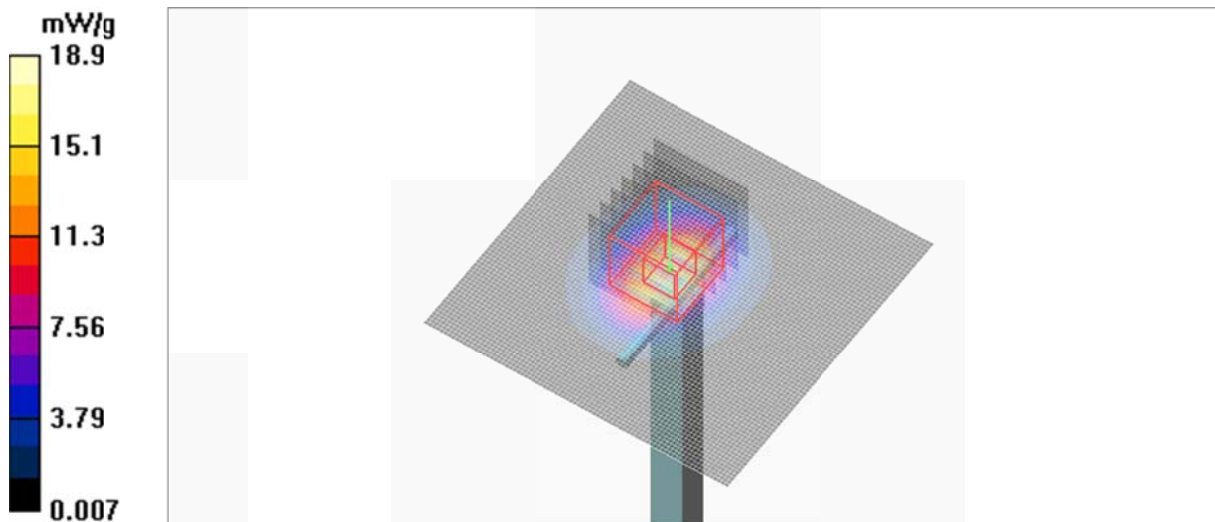
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(6.96, 6.96, 6.96); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_2450/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 18.9 mW/g

Flat-Section_HSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.7 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 27.1 W/kg
SAR(1 g) = 12.1 mW/g; SAR(10 g) = 5.5 mW/g
Maximum value of SAR (measured) = 19.0 mW/g



Test Laboratory: KES Co., Ltd.

System verification_2450_MSL

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:896

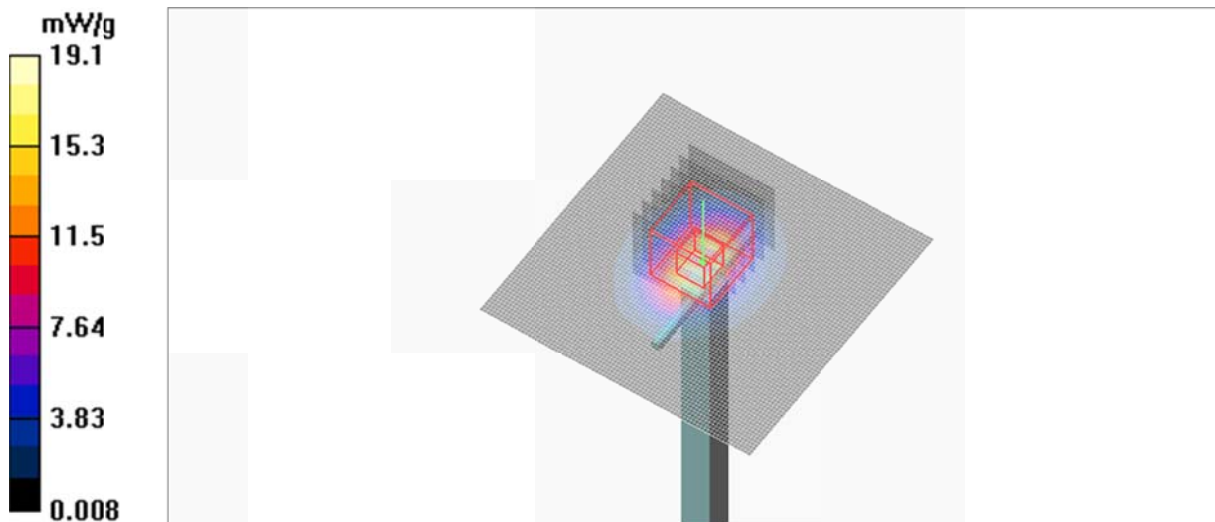
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.1, 7.1, 7.1); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (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_2450/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 19.1 mW/g

Flat-Section_MSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.7 V/m; Power Drift = 0.195 dB
Peak SAR (extrapolated) = 26.7 W/kg
SAR(1 g) = 12.5 mW/g; SAR(10 g) = 5.77 mW/g
Maximum value of SAR (measured) = 19.2 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_HSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

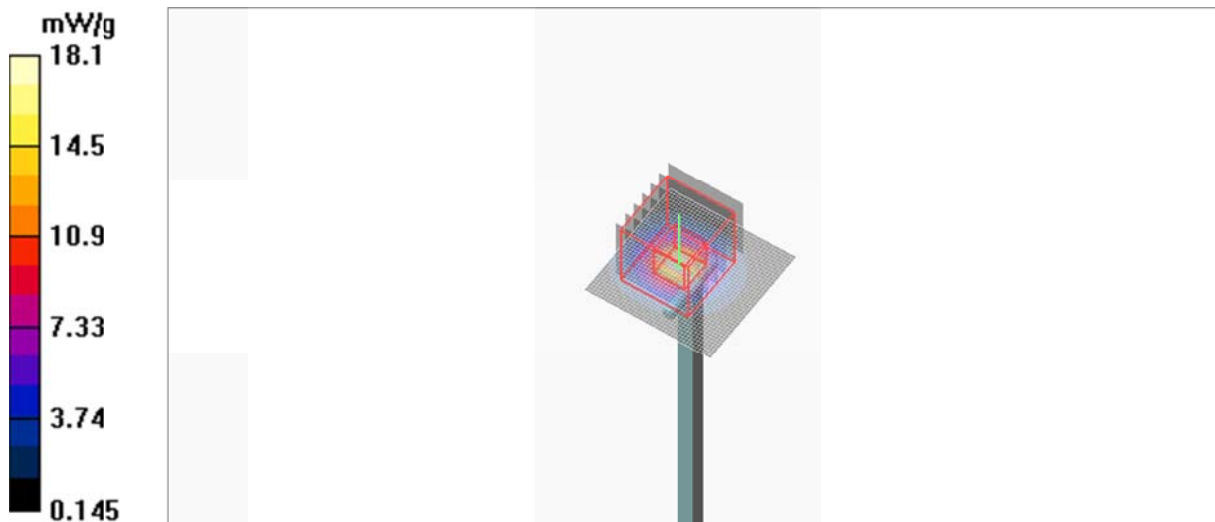
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(5, 5, 5); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (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_5200/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.1 mW/g

Flat-Section_HSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.0 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 34.3 W/kg
SAR(1 g) = 8.37 mW/g; SAR(10 g) = 2.4 mW/g
Maximum value of SAR (measured) = 17.3 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_MSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

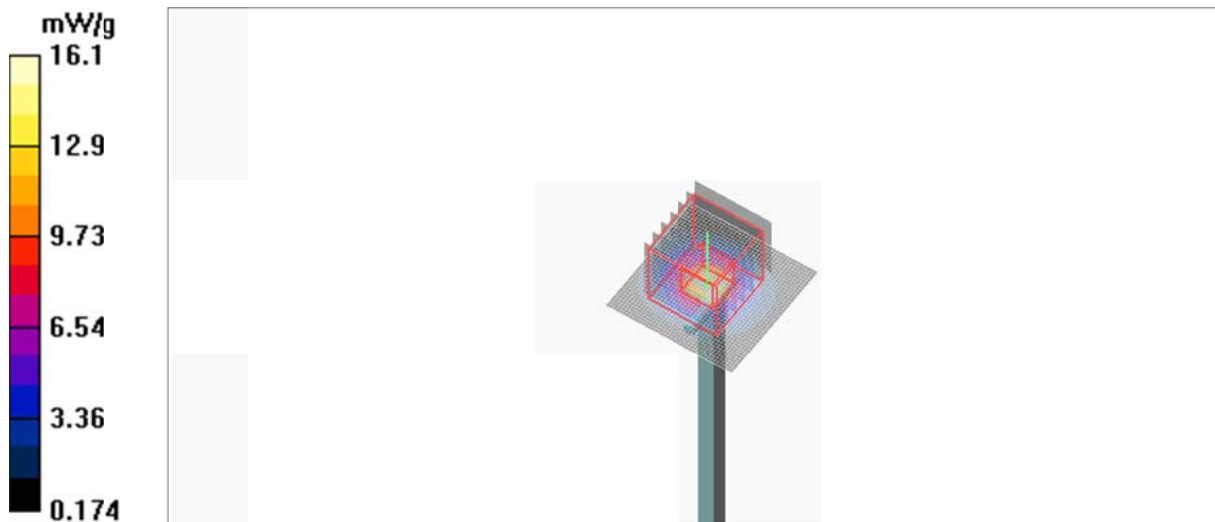
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.06$ mho/m; $\epsilon_r = 47.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.24, 4.24, 4.24); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_5200/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.1 mW/g

Flat-Section_MSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.5 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 7.67 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 15.6 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_HSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

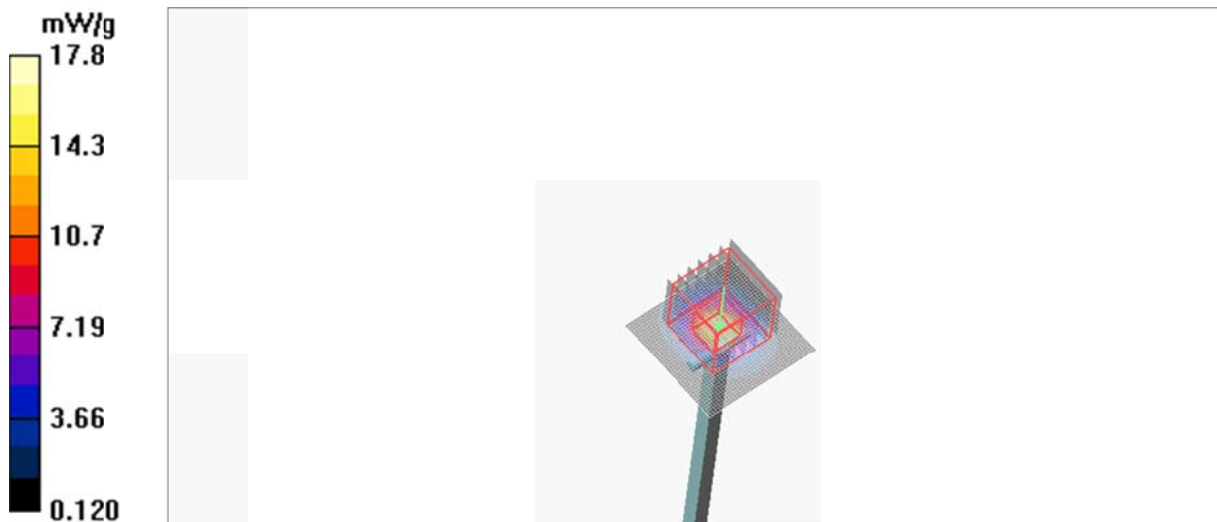
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 35.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (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_5800/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.8 mW/g

Flat-Section_HSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.9 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 37.7 W/kg
SAR(1 g) = 8.24 mW/g; SAR(10 g) = 2.33 mW/g
Maximum value of SAR (measured) = 17.7 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_MSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

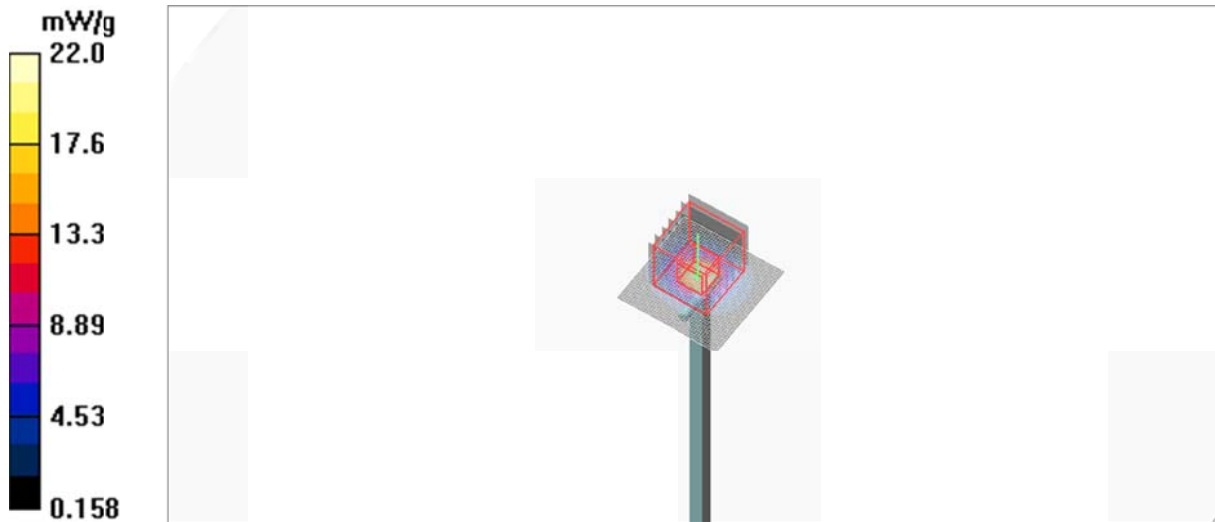
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.18$ mho/m; $\epsilon_r = 49.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(3.79, 3.79, 3.79); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (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_5800/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 22.0 mW/g

Flat-Section_MSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.2 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 40.5 W/kg
SAR(1 g) = 8.3 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (measured) = 18.4 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_HSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

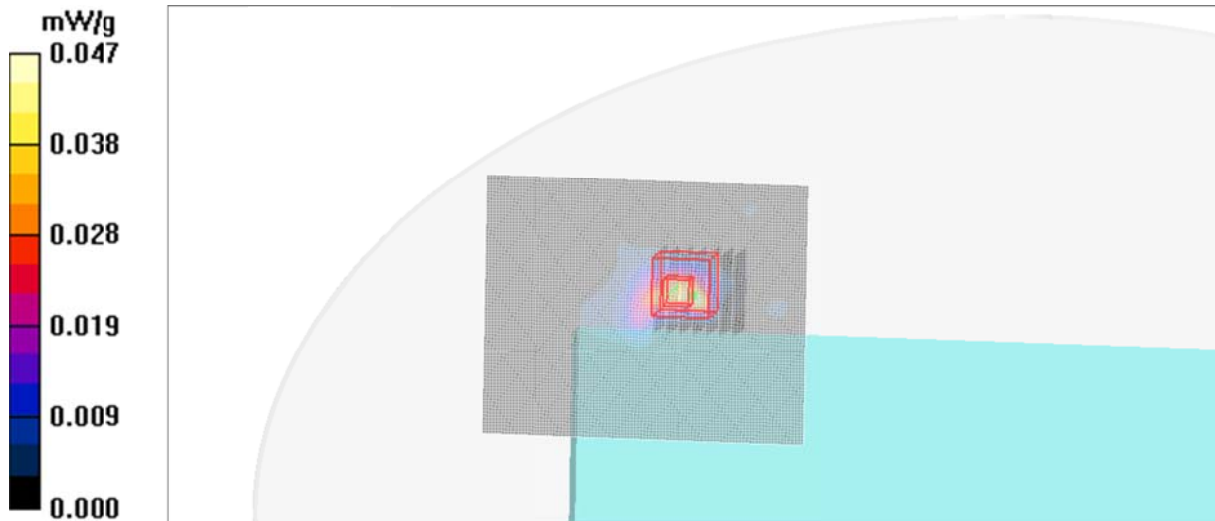
Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(6.96, 6.96, 6.96); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (81x101x1): Measurement grid:
dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.047 mW/g

Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.079 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.046 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_MSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.1, 7.1, 7.1); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (81x101x1): Measurement grid:

$dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.032 mW/g

Flat-Section_MSL_Antenna 1_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

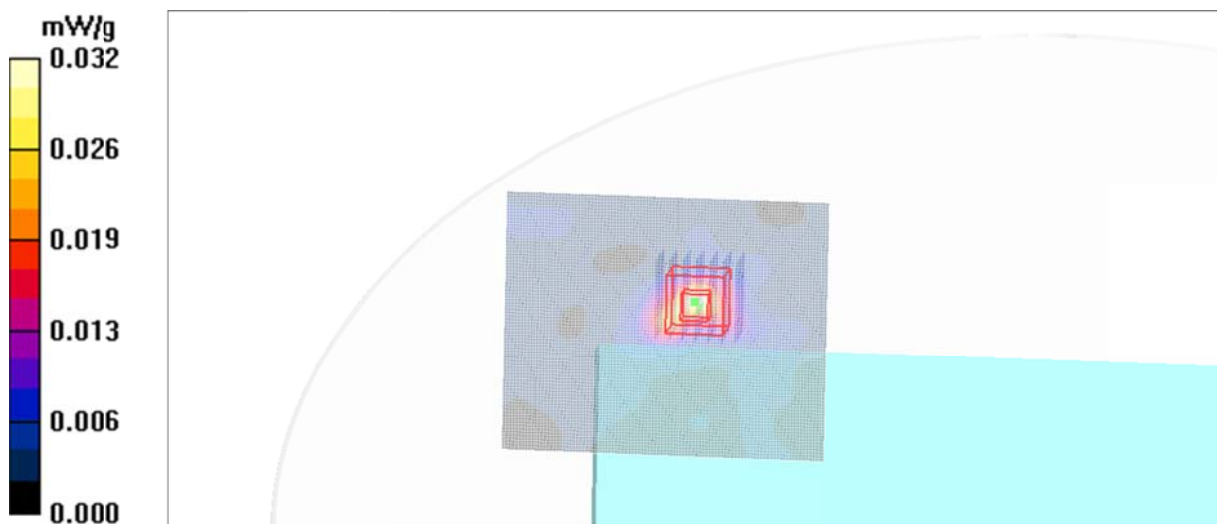
$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.05 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.040 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5180_HSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.57$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(5, 5, 5); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 36_UNII_6Mbps/Area Scan (71x121x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Flat-Section_HSL_Antenna 1_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

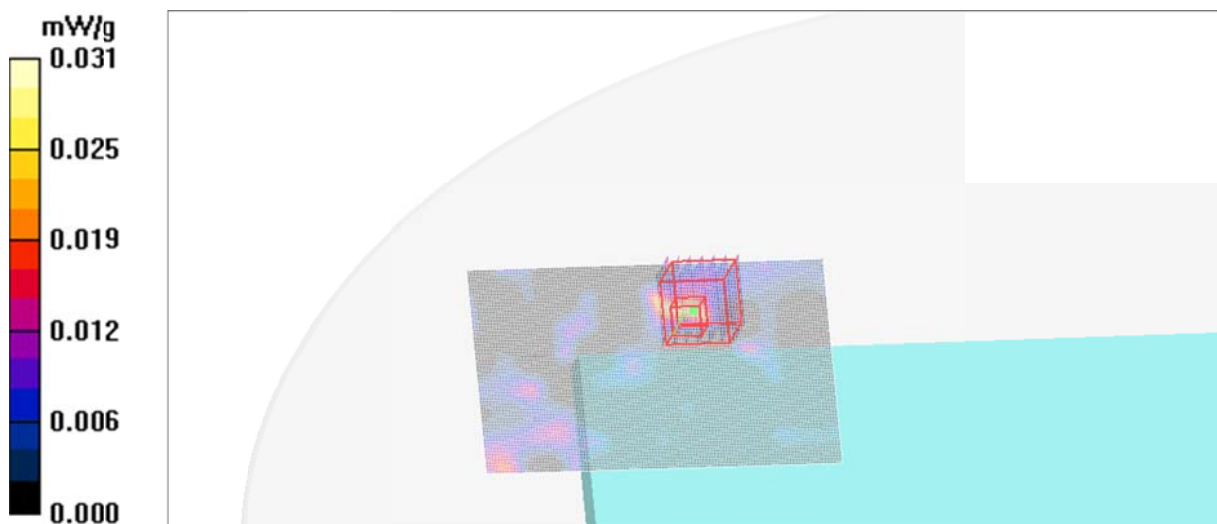
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00859 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5180_MSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 5.05$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.24, 4.24, 4.24); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 36_UNII_6Mbps/Area Scan (71x121x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.008 mW/g

Flat-Section_MSL_Antenna 1_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

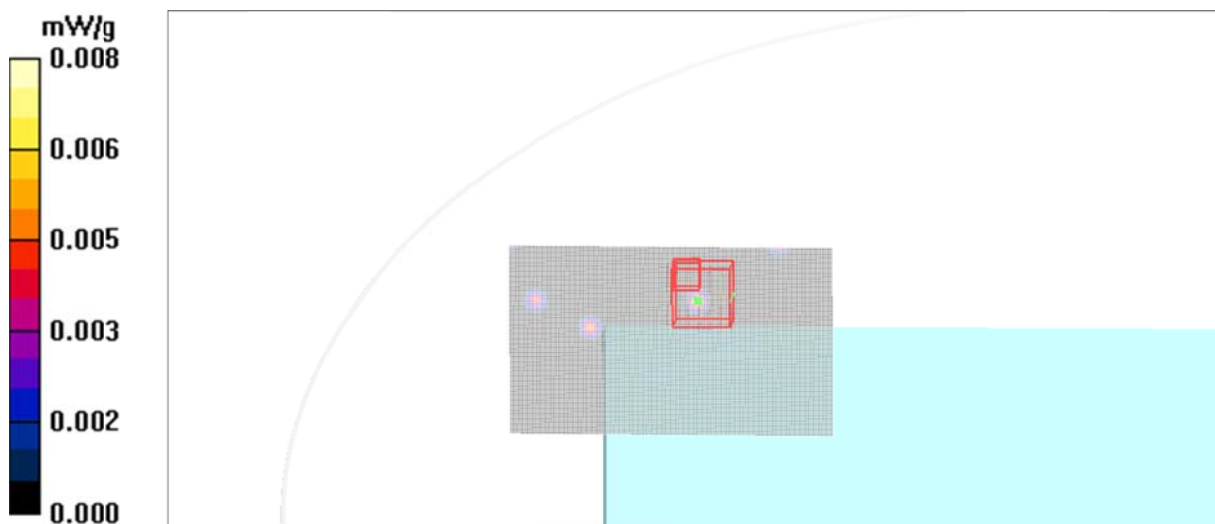
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.038 W/kg

SAR(1 g) = 0.00806 mW/g; SAR(10 g) = 0.00351 mW/g

Maximum value of SAR (measured) = 0.022 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5745_HSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.26$ mho/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (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_Antenna 2_Channel 149_UNII_6Mbps/Area Scan (121x71x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.253 mW/g

Flat-Section_HSL_Antenna 2_Channel 149_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.249 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5745_MSL

DUT: FXRD-1012NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5745$ MHz; $\sigma = 6.07$ mho/m; $\epsilon_r = 49.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(3.79, 3.79, 3.79); Calibrated: 2014-11-19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2014-11-12
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASYS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 2_Channel 149_UNII_6Mbps/Area Scan (121x71x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.133 mW/g

Flat-Section_MSL_Antenna 2_Channel 149_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.143 mW/g

