

Test Laboratory: KES Co., Ltd.

System verification_2450_HSL

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

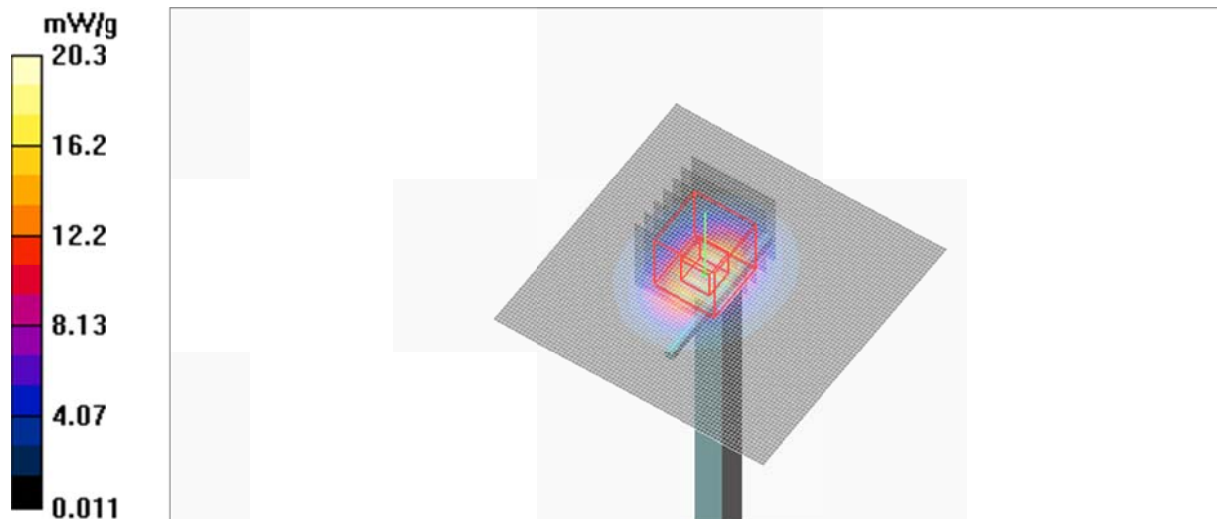
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.77$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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: DASY4, 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) = 20.3 mW/g

Flat-Section_HSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 98.9 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 28.8 W/kg
SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.06 mW/g
Maximum value of SAR (measured) = 20.5 mW/g



Test Laboratory: KES Co., Ltd.

System verification_2450_MSL

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

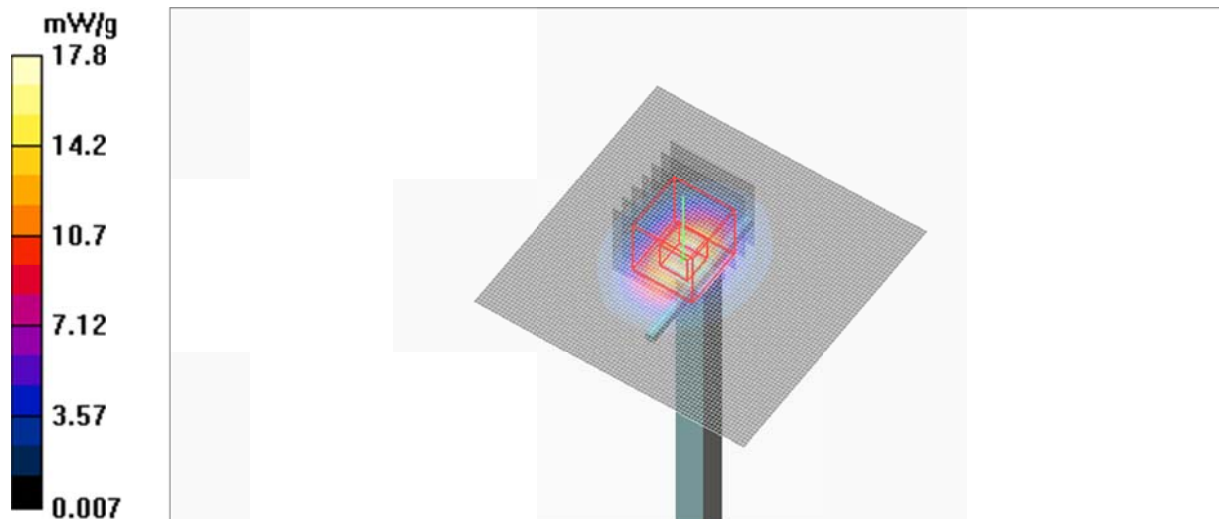
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 17.8 mW/g

Flat-Section_MSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.3 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 25.4 W/kg
SAR(1 g) = 11.9 mW/g; SAR(10 g) = 5.54 mW/g
Maximum value of SAR (measured) = 18.4 mW/g



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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; $\sigma = 4.52$ mho/m; $\epsilon_r = 36.8$; $\rho = 1000$ 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) = 15.2 mW/g

Flat-Section_HSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 51.7 V/m; Power Drift = 0.148 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 7.57 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 15.5 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_MSL

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

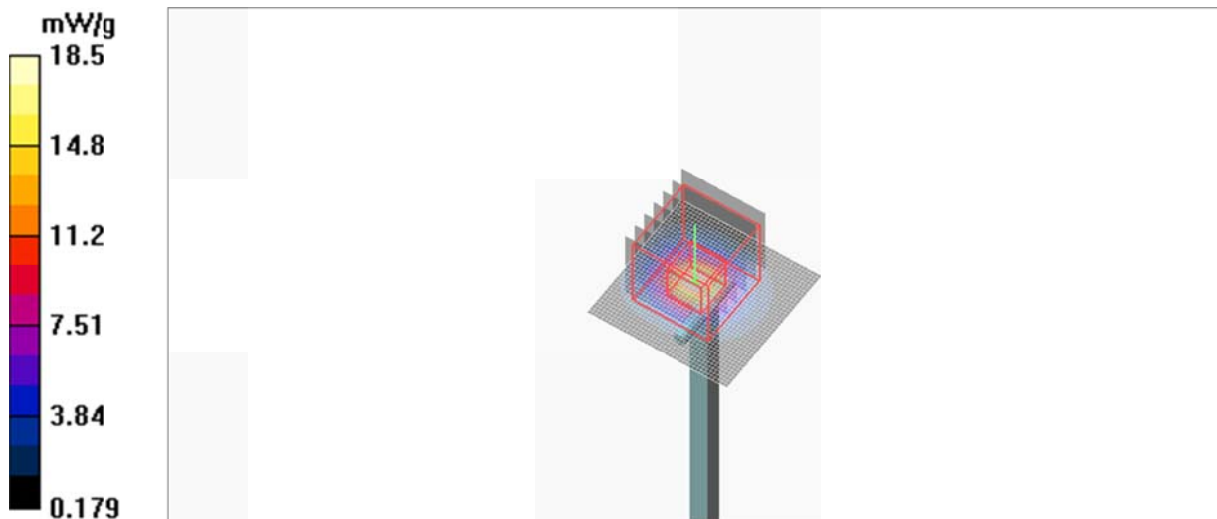
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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: DASY4, 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) = 18.5 mW/g

Flat-Section_MSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 61.6 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 8.17 mW/g; SAR(10 g) = 2.38 mW/g
Maximum value of SAR (measured) = 16.3 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_HSL

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

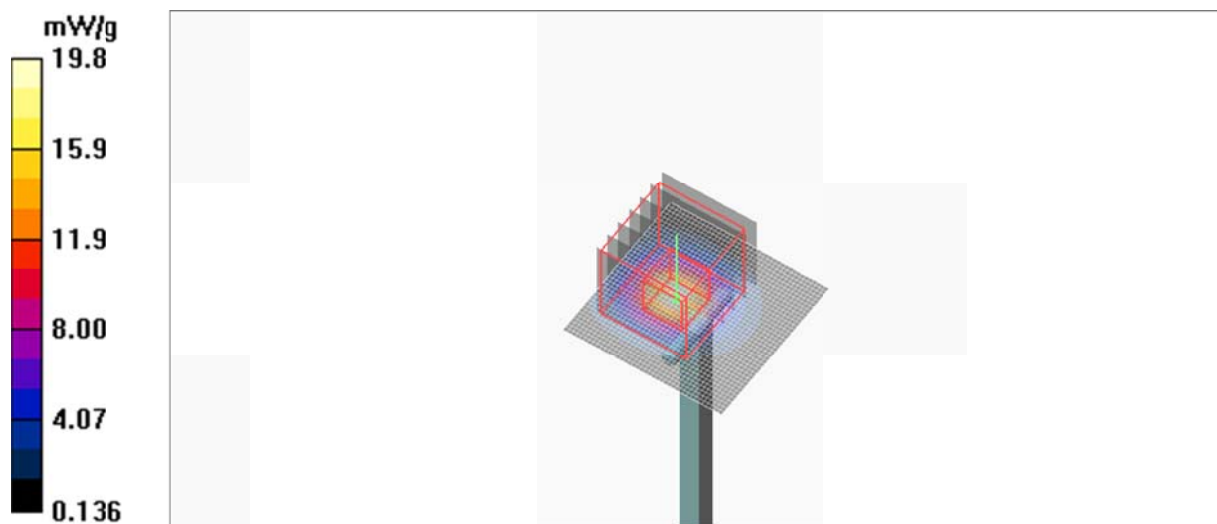
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.21$ mho/m; $\epsilon_r = 34.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 19.8 mW/g

Flat-Section_HSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.3 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 38.3 W/kg
SAR(1 g) = 8.31 mW/g; SAR(10 g) = 2.37 mW/g Maximum value of SAR (measured) = 17.9 mW/g



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Test Laboratory: KES Co., Ltd.

System verification_5800_MSL

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

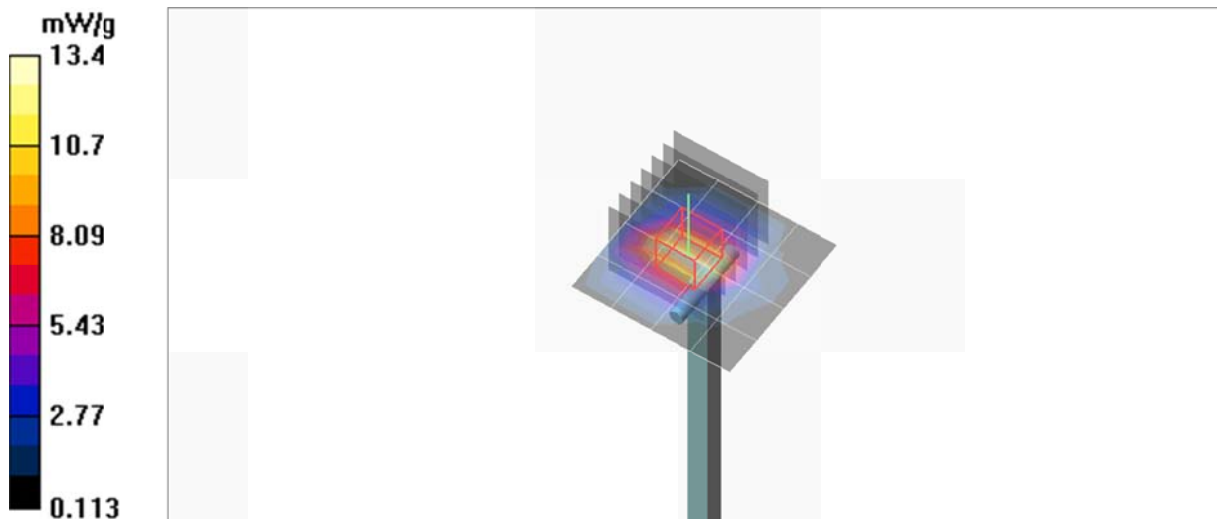
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.95$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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 (5x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 13.4 mW/g

Flat-Section_MSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 53.1 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 38.8 W/kg
SAR(1 g) = 8.46 mW/g
Maximum value of SAR (measured) = 18.4 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_HSL

DUT: FXRD-1717NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.76$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (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: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (101x101x1): Measurement grid:
 $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.194 mW/g

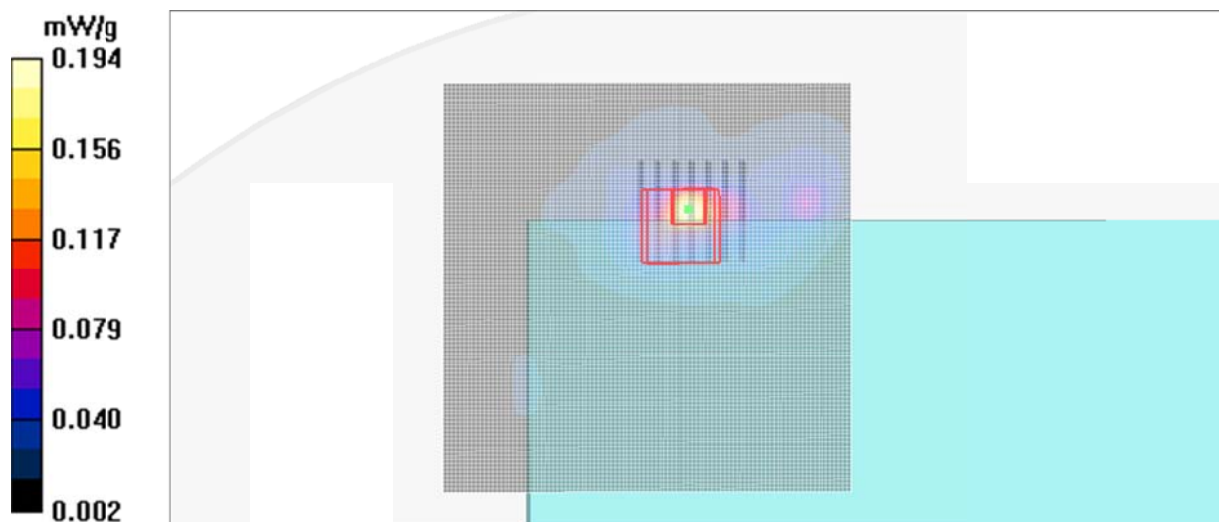
Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid:
 $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.17 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.168 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_MSL

DUT: FXRD-1717NAW; 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; $\epsilon_r = 52.2$; $\rho = 1000$ 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_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (101x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.140 mW/g

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

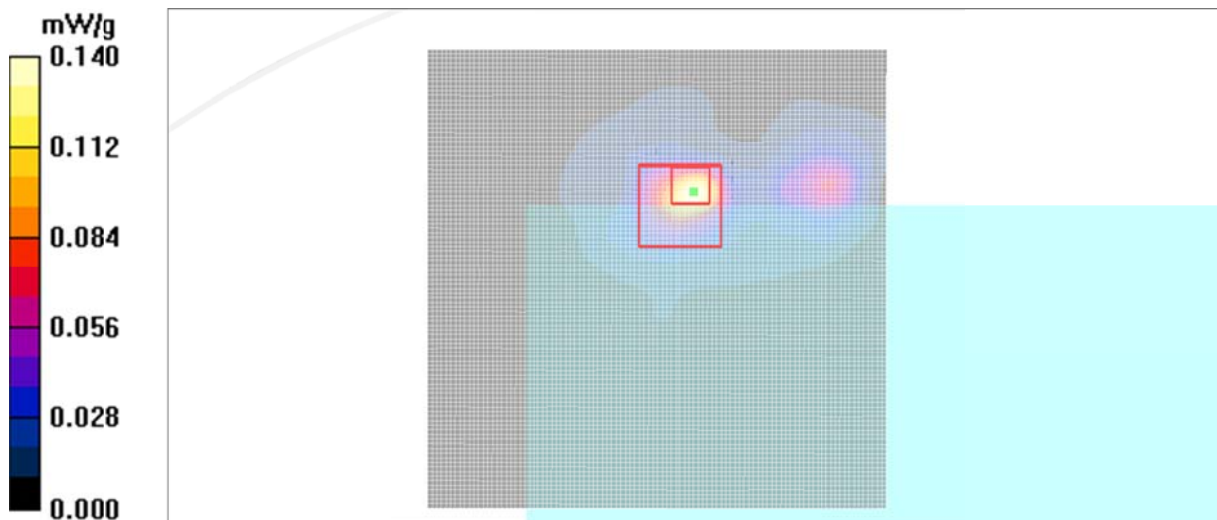
$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.732 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.114 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5240_HSL

DUT: FXRD-1717NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5240$ MHz; $\sigma = 4.56$ mho/m; $\epsilon_r = 36.7$; $\rho = 1000$ 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_Antenna 2_Channel 48_UNII_6Mbps/Area Scan (121x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.038 mW/g

Flat-Section_HSL_Antenna 2_Channel 48_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

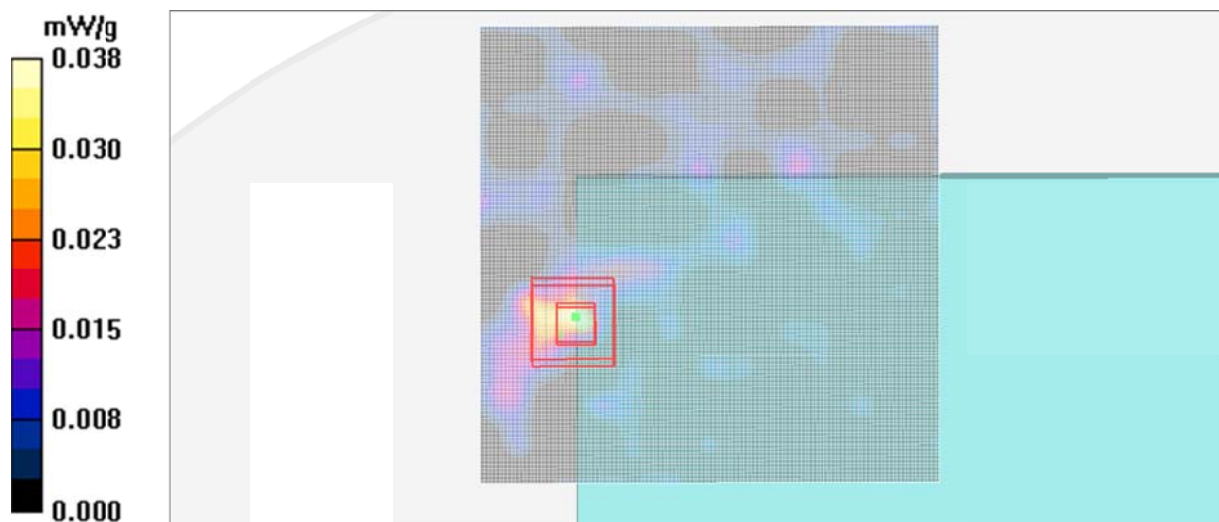
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.100 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00798 mW/g

Maximum value of SAR (measured) = 0.027 mW/g



Date/Time: 2015-03-31 PM 4:13:51

Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5240_MSL

DUT: FXRD-1717NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5240$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (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: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 2_Channel 48_UNII_6Mbps/Area Scan (121x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.038 mW/g

Flat-Section_MSL_Antenna 2_Channel 48_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

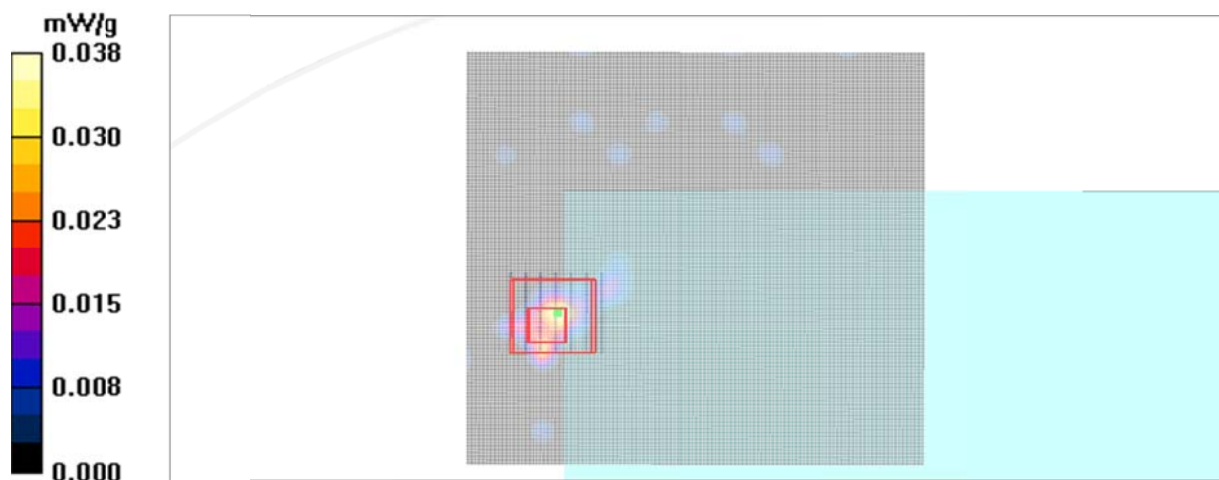
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.061 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00382 mW/g

Maximum value of SAR (measured) = 0.028 mW/g



Date/Time: 2015-04-02 AM 11:45:38

Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5825_HSL

DUT: FXRD-1717NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5825$ MHz; $\sigma = 5.24$ mho/m; $\epsilon_r = 34.5$; $\rho = 1000$ 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 165_UNII_6Mbps/Area Scan (121x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.045 mW/g

Flat-Section_HSL_Antenna 2_Channel 165_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

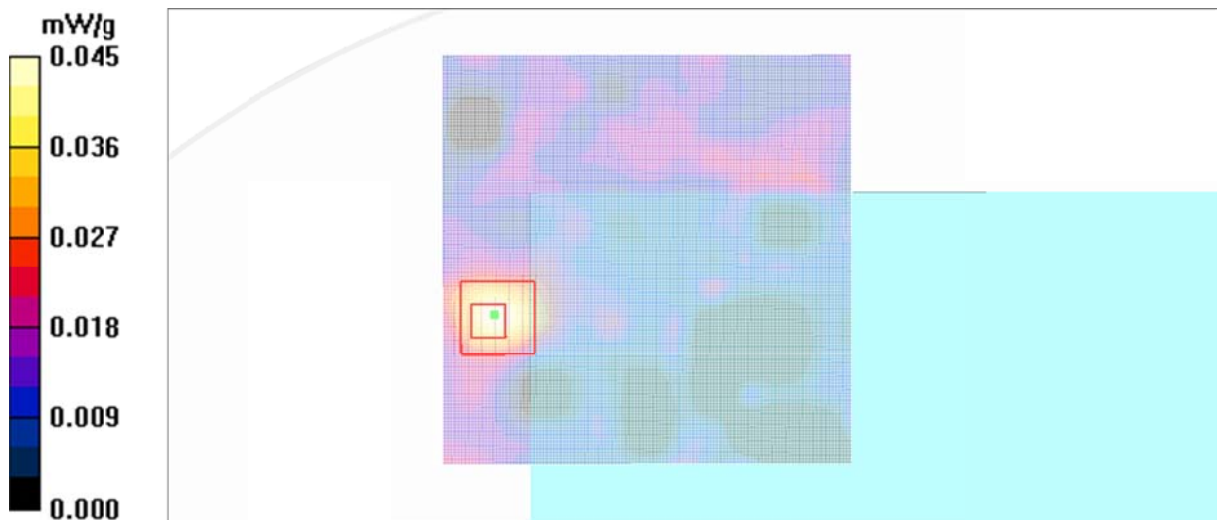
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



Date/Time: 2015-03-30 PM 1:26:03

Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5785_MSL

DUT: FXRD-1717NAW; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ 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_Antenna 2_Channel 157_UNII_6Mbps/Area Scan (121x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.069 mW/g

Flat-Section_MSL_Antenna 2_Channel 157_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) = 0.138 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.053 mW/g

