

Test Laboratory: KES Co., Ltd.

System verification_2450_HSL

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

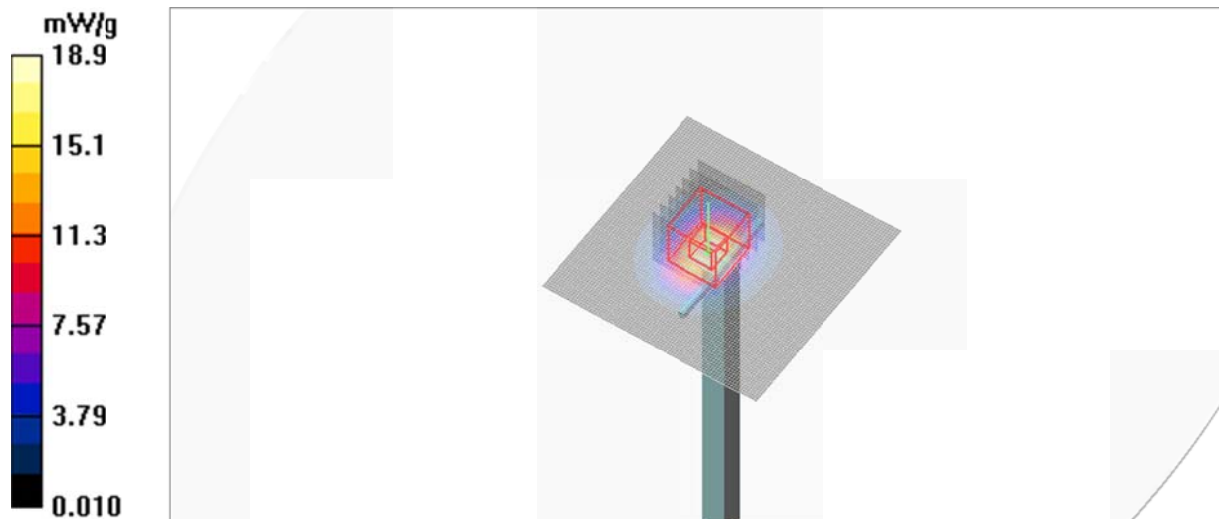
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 18.9 mW/g

Flat-Section_HSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.0 V/m; Power Drift = 0.207 dB
Peak SAR (extrapolated) = 28.0 W/kg
SAR(1 g) = 12.1 mW/g; SAR(10 g) = 5.49 mW/g
Maximum value of SAR (measured) = 19.4 mW/g



Test Laboratory: KES Co., Ltd.

System verification_2450_MSL

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

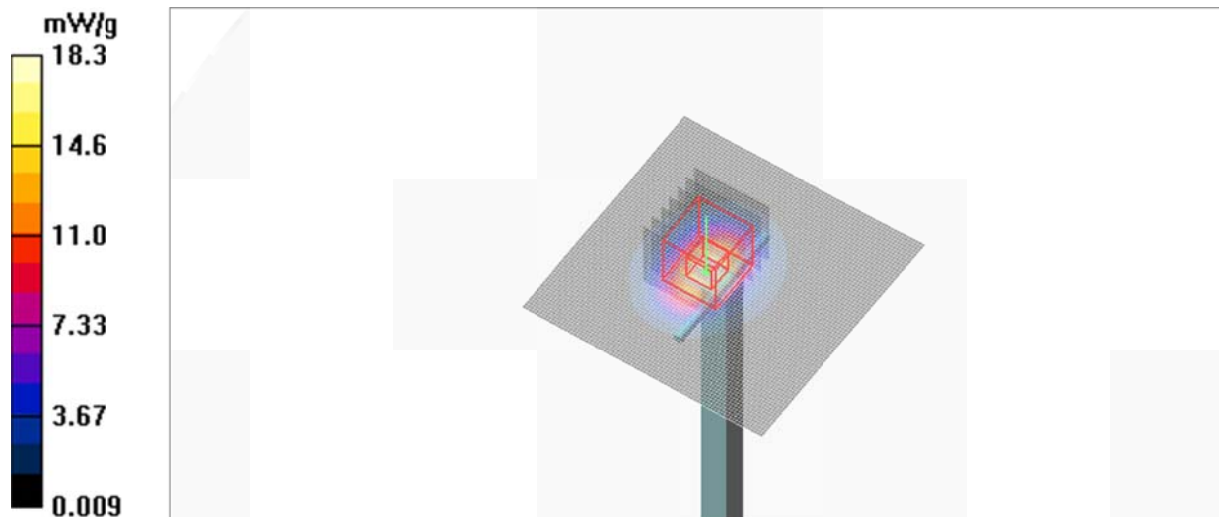
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 18.3 mW/g

Flat-Section_MSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.3 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 26.5 W/kg
SAR(1 g) = 12 mW/g; SAR(10 g) = 5.46 mW/g
Maximum value of SAR (measured) = 18.8 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_HSL

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

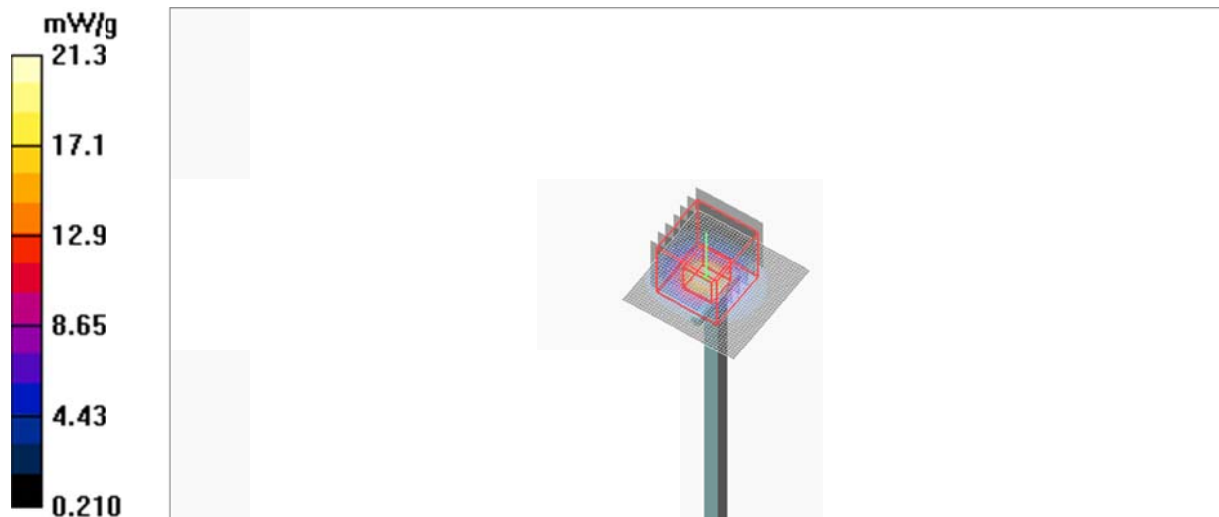
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.58$ mho/m; $\epsilon_r = 36.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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_5200/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 21.3 mW/g

Flat-Section_HSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 67.0 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 29.7 W/kg
SAR(1 g) = 7.47 mW/g; SAR(10 g) = 2.17 mW/g
Maximum value of SAR (measured) = 15.0 mW/g



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Test Laboratory: KES Co., Ltd.

System verification_5200_MSL

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

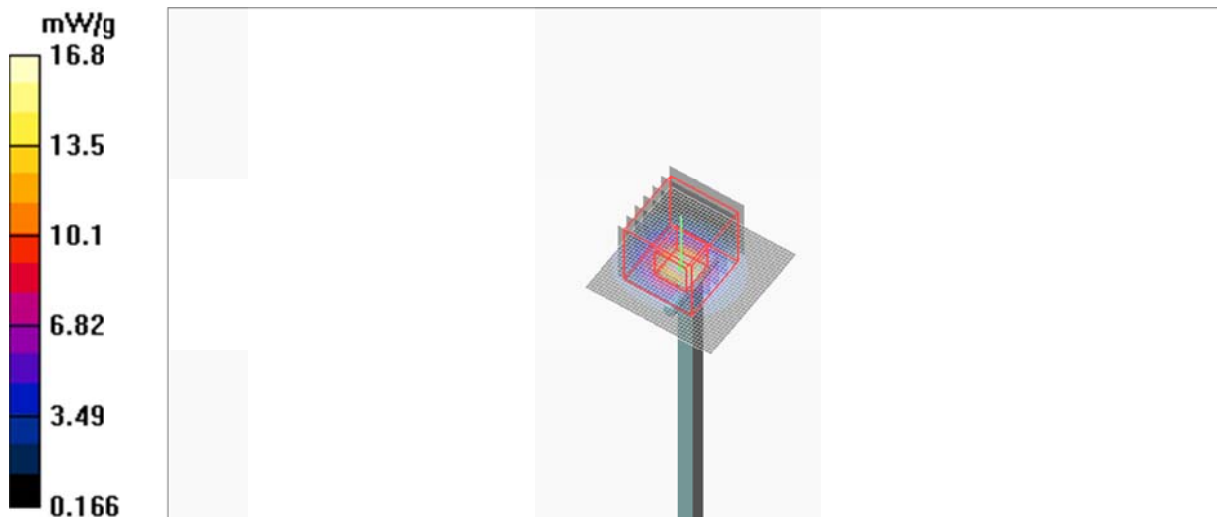
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 16.8 mW/g

Flat-Section_MSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.1 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 30.5 W/kg
SAR(1 g) = 7.73 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 16.2 mW/g



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Test Laboratory: KES Co., Ltd.

System verification_5800_HSL

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

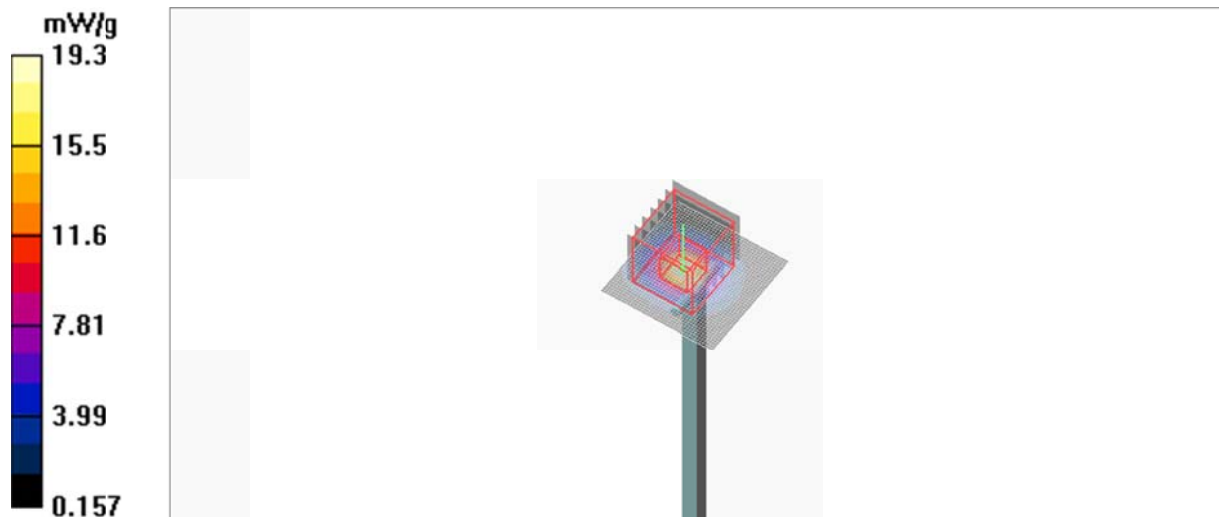
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.27$ mho/m; $\epsilon_r = 34.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 19.3 mW/g

Flat-Section_HSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 60.2 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 37.5 W/kg
SAR(1 g) = 7.61 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 16.5 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_MSL

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

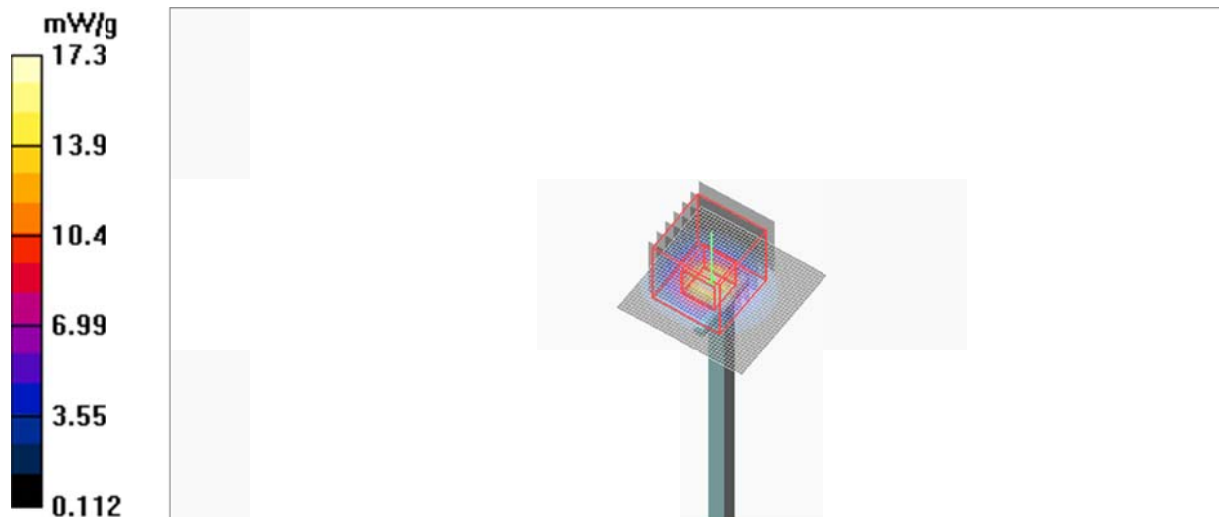
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.88$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

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) = 17.3 mW/g

Flat-Section_MSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 53.7 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 35.9 W/kg
SAR(1 g) = 8.19 mW/g; SAR(10 g) = 2.29 mW/g
Maximum value of SAR (measured) = 17.6 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_802.11b_2437_HSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ 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 2_Channel 6_802.11b_1Mbps/Area Scan (91x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.002 mW/g

Flat-Section_HSL_Antenna 2_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

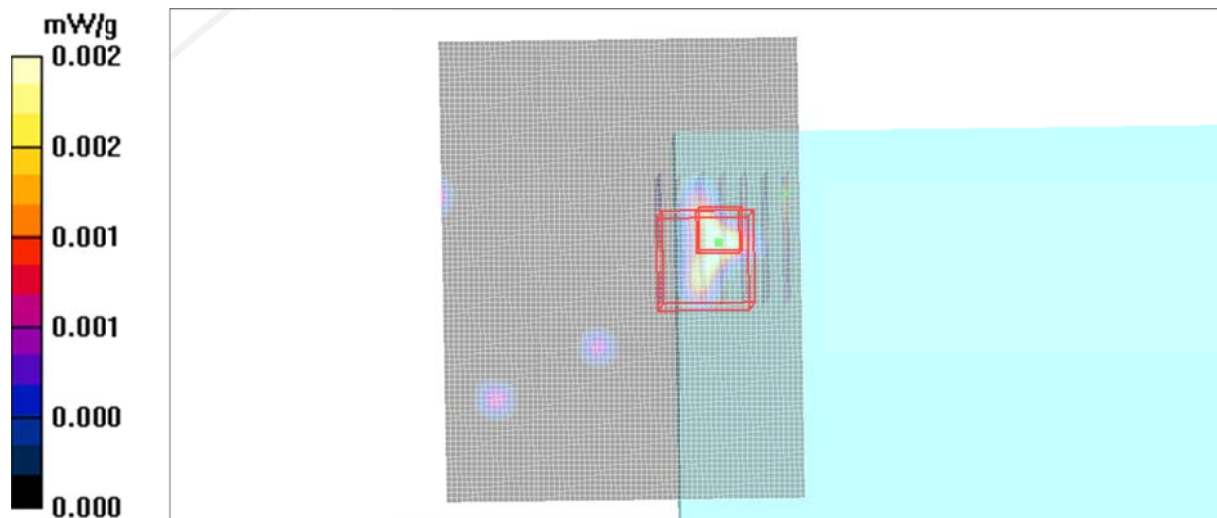
$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 0.004 W/kg

SAR(1 g) = 0.000388 mW/g; SAR(10 g) = 0.000118 mW/g

Maximum value of SAR (measured) = 0.003 mW/g



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Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_MSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

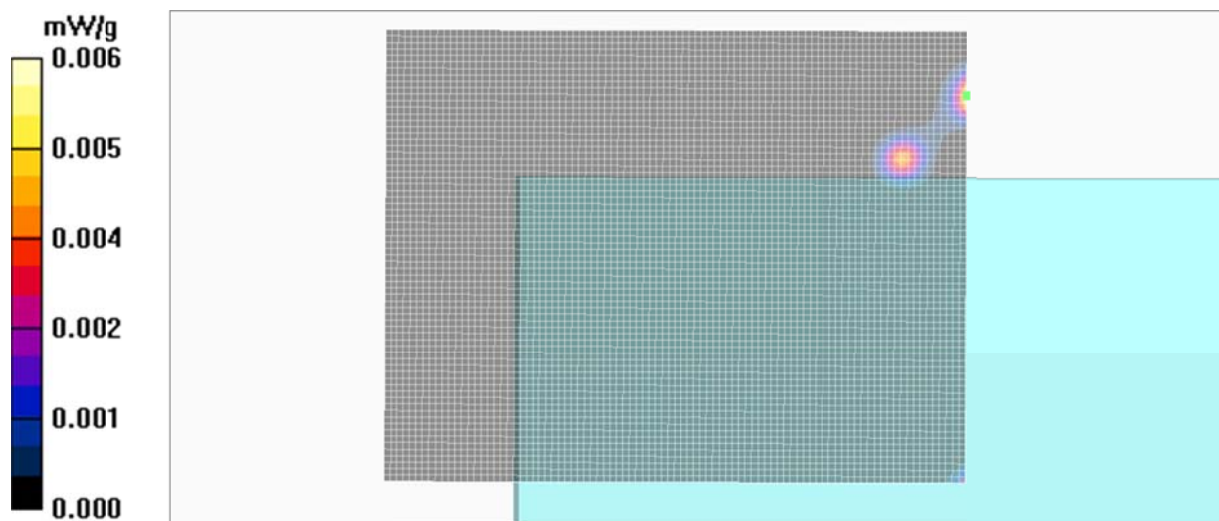
DASY4 Configuration:

- 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 (71x91x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.006 mW/g



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Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5180_HSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.56$ 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 36_UNII_6Mbps/Area Scan (101x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.060 mW/g

Flat-Section_HSL_Antenna 2_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

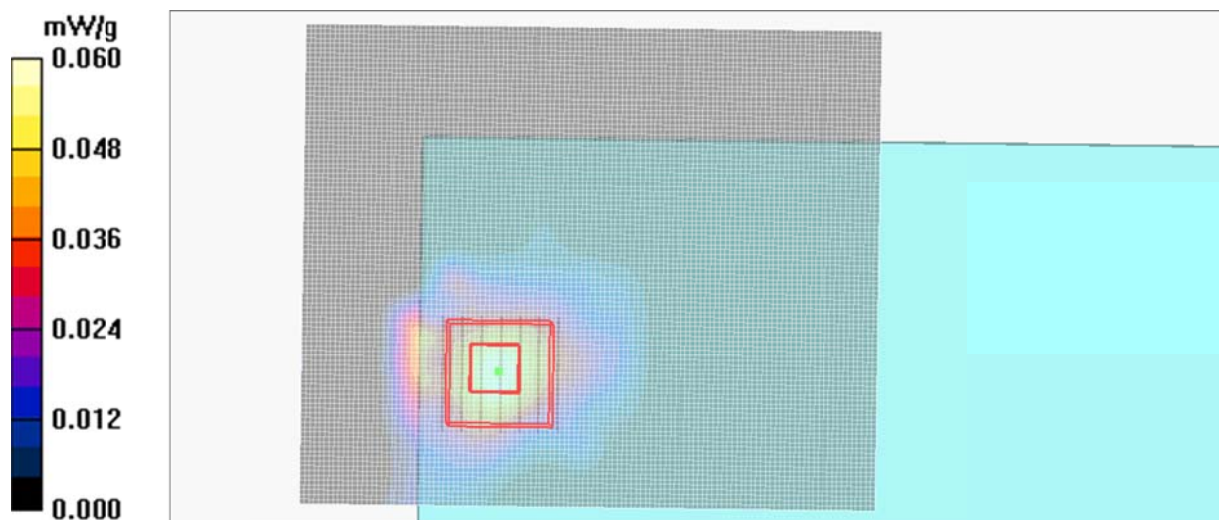
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.063 mW/g



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Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5180_MSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ 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 36_UNII_6Mbps/Area Scan (101x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.064 mW/g

Flat-Section_MSL_Antenna 2_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

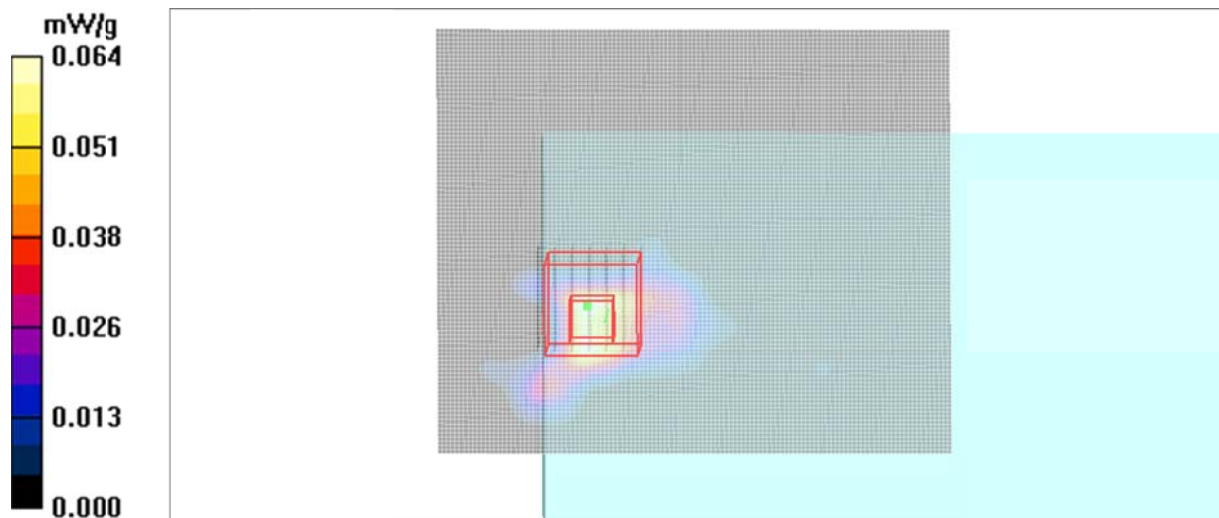
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00783 mW/g

Maximum value of SAR (measured) = 0.060 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5745_HSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.2$ mho/m; $\epsilon_r = 34.6$; $\rho = 1000$ 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 (101x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.082 mW/g

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

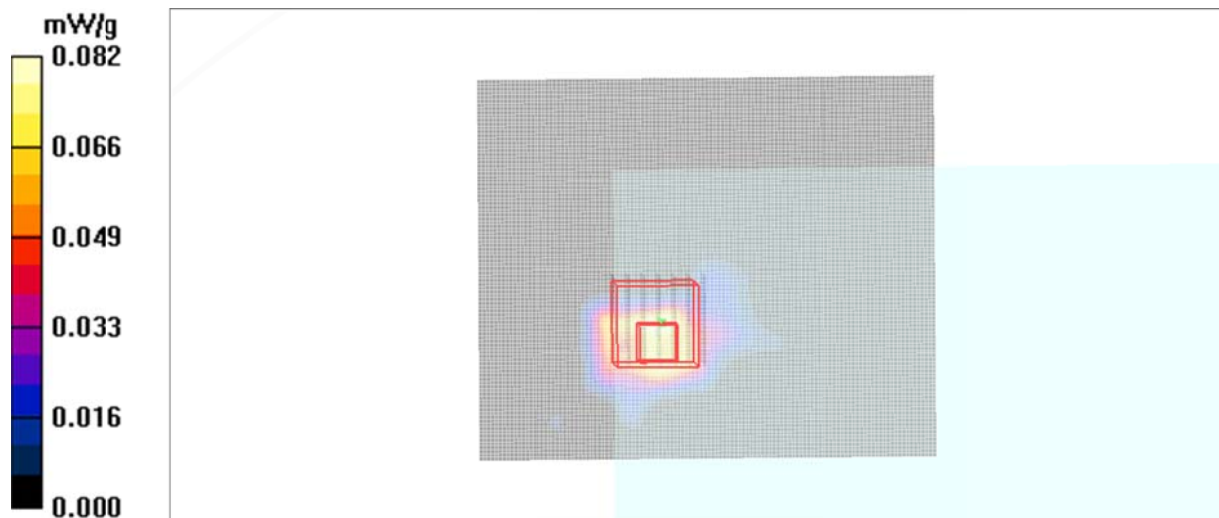
$dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00958 mW/g

Maximum value of SAR (measured) = 0.060 mW/g



Test Laboratory: KES Co., Ltd.

Ant 2_UNII_5745_MSL

DUT: EVS 3643; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.76$ mho/m; $\epsilon_r = 49.5$; $\rho = 1000$ 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 149_UNII_6Mbps/Area Scan (101x121x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.100 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) = 0.331 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.0075 mW/g

Maximum value of SAR (measured) = 0.044 mW/g

