Appendix A. SAR PLOTS

Test Laboratory: KTL

2450MHz Validation – D2450V2; SN:746

***Test Date : 10th/August/2009**

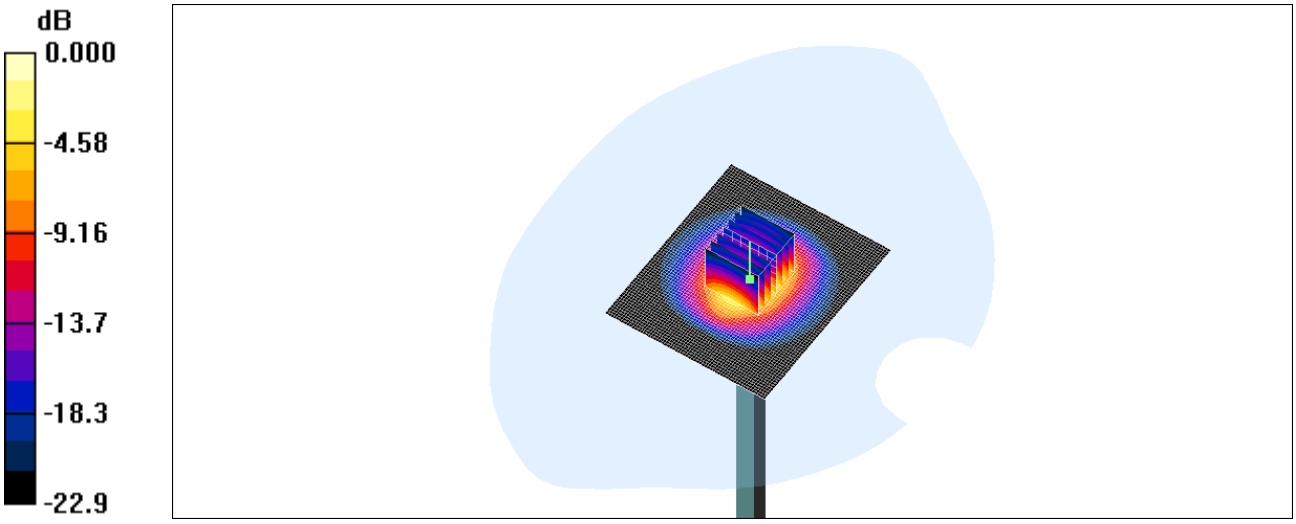
Measured Liquid Temperature(℃) : 22.2 , Ambient Temperature(℃) : 22.0

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2450 MHz; σ = 1.82 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV2 – SN3020; ConvF(4.25, 4.25, 4.25); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 16.1 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.9 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 5.97 mW/g
Maximum value of SAR (measured) = 15.1 mW/g



0 dB = 15.1mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Up & Ant-Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

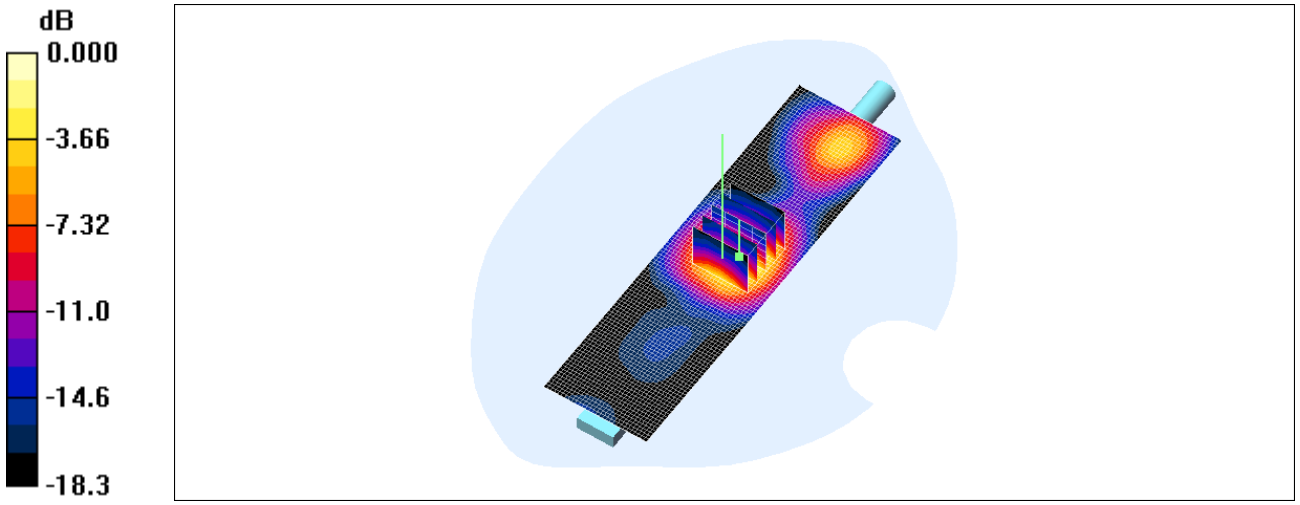
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV2 – SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.198 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.20 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.196 mW/g



0 dB = 0.196mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Up & Ant-Vertical

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

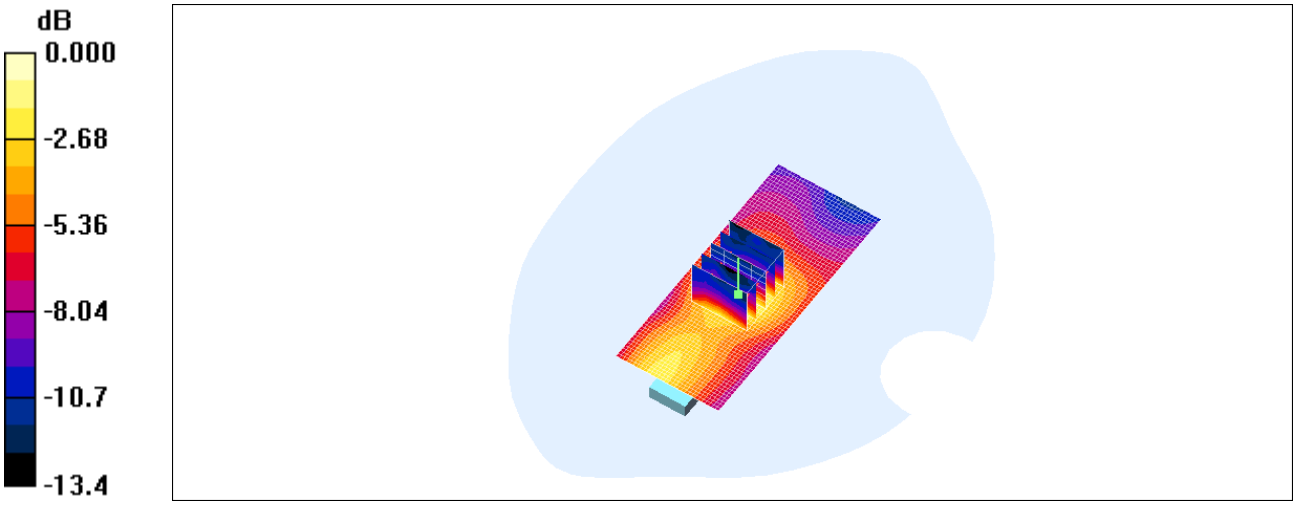
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV2 – SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.025 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.17 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.068 W/kg
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.029 mW/g



0 dB = 0.029mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Down & Ant Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

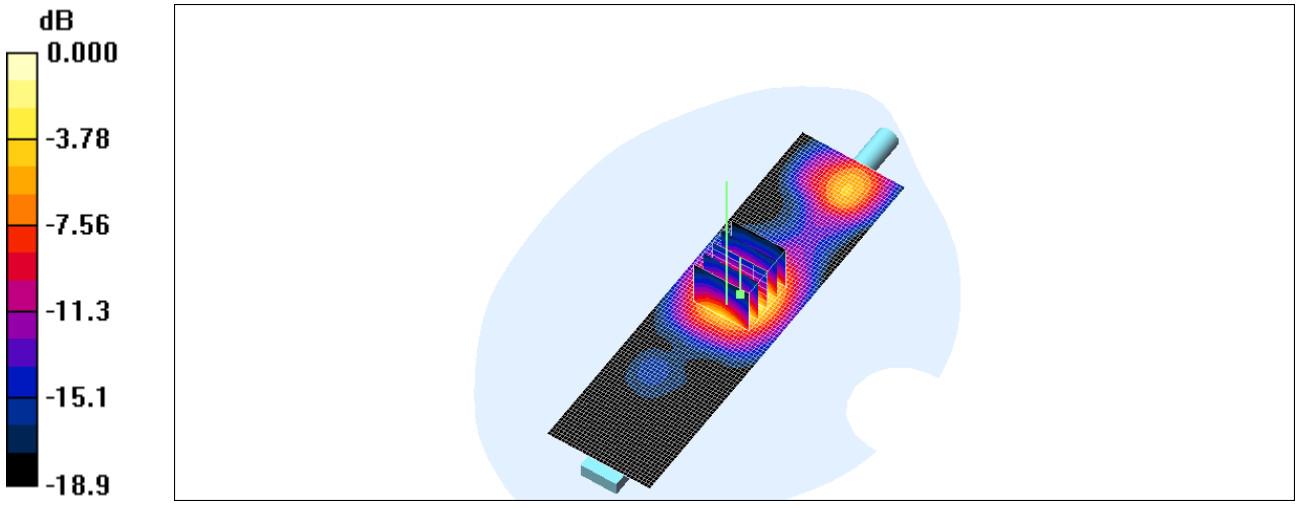
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV2 – SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.226 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.22 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.521 W/kg
SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.232 mW/g



0 dB = 0.232mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Down & Ant Vertical

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

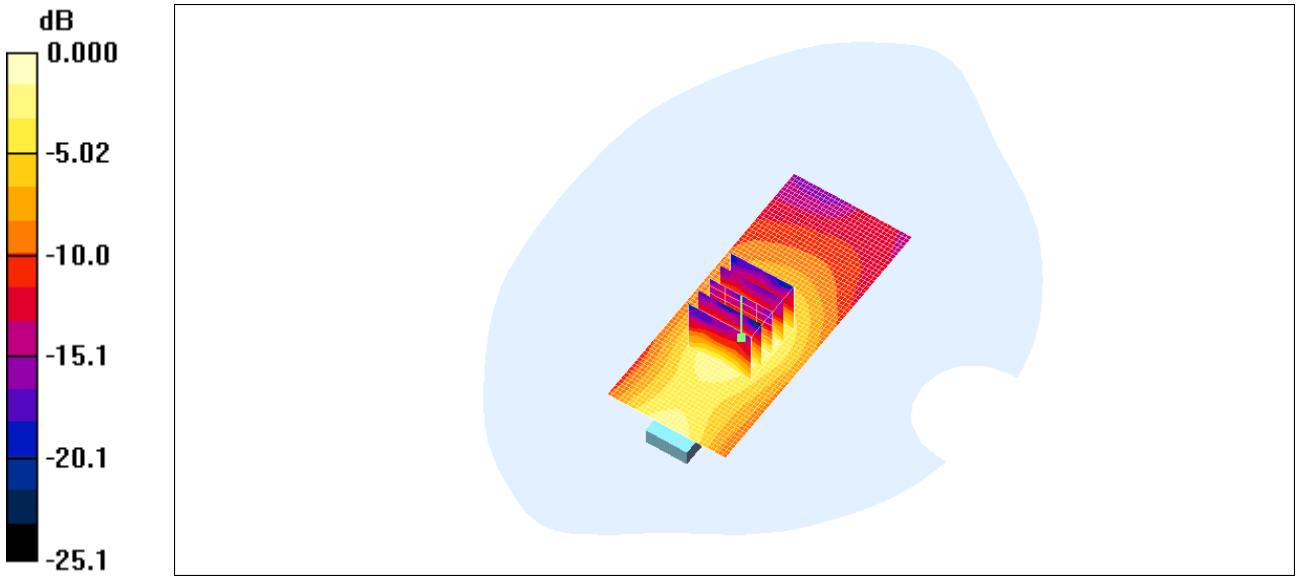
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.031 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.81 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.036 mW/g



0 dB = 0.036mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Front & Ant Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

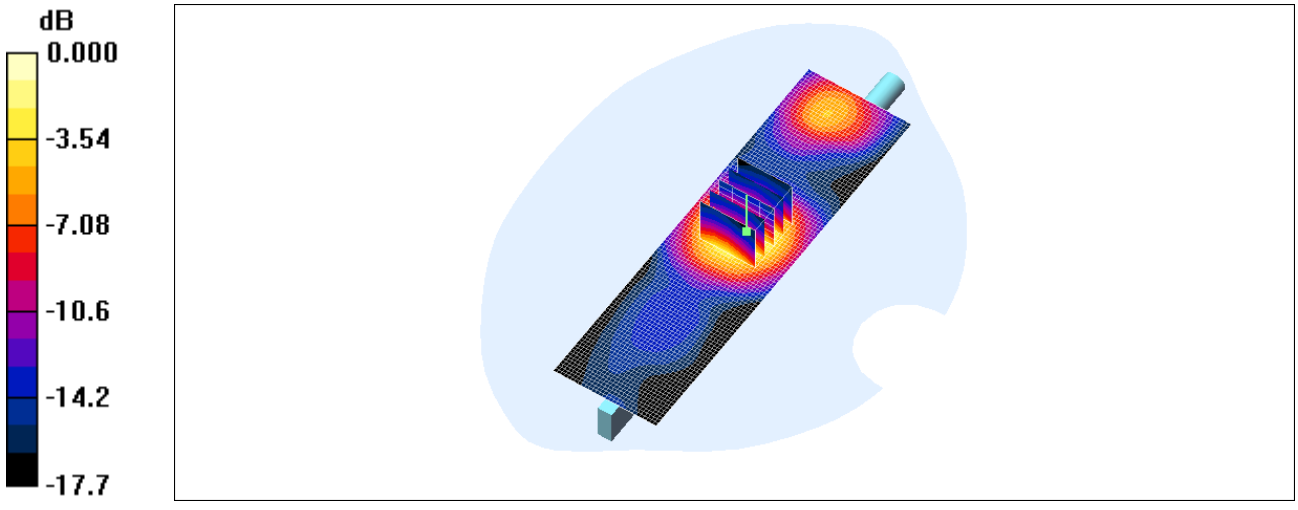
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.13 V/m; Power Drift = -0.438 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.057 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Front & Ant Vertical

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

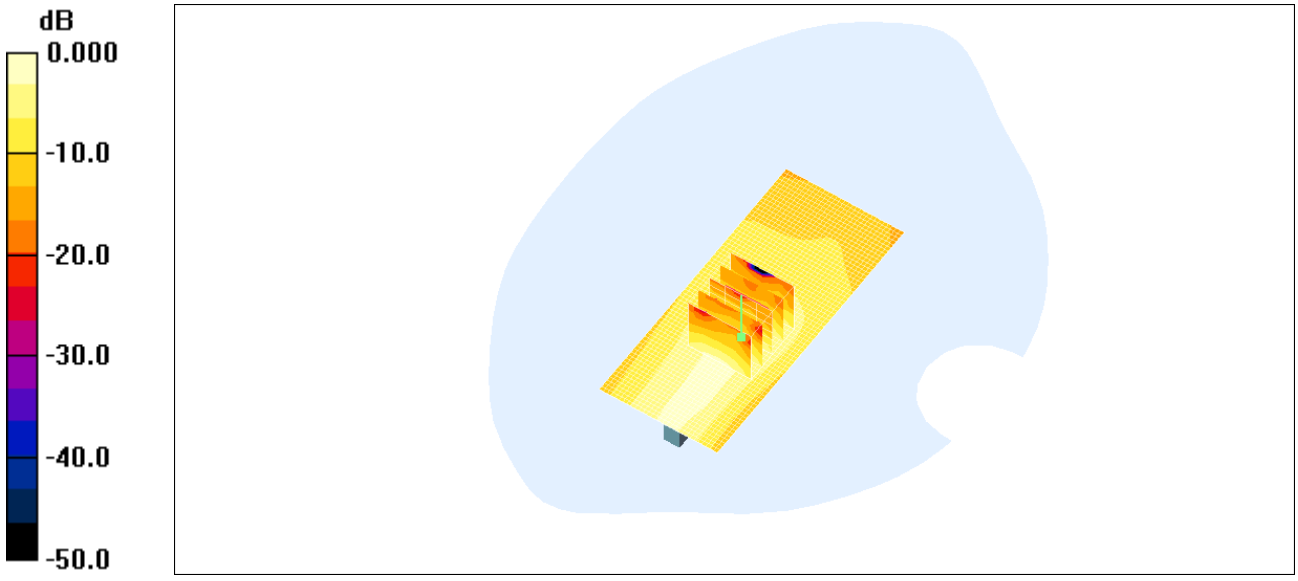
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.037 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.49 V/m; Power Drift = -0.329 dB
Peak SAR (extrapolated) = 0.088 W/kg
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.044 mW/g



0 dB = 0.044mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Back & Ant Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

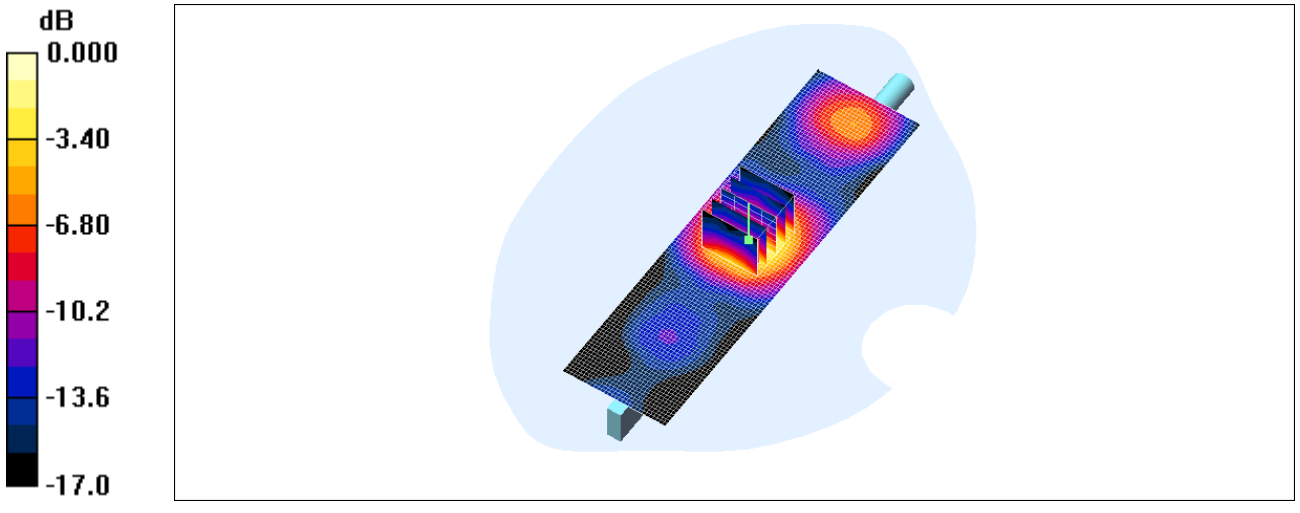
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.09 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.246W/kg
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.054 mW/g
Maximum value of SAR (measured) = 0.115 mW/g



0 dB = 0.115mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Back & Ant Vertical

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

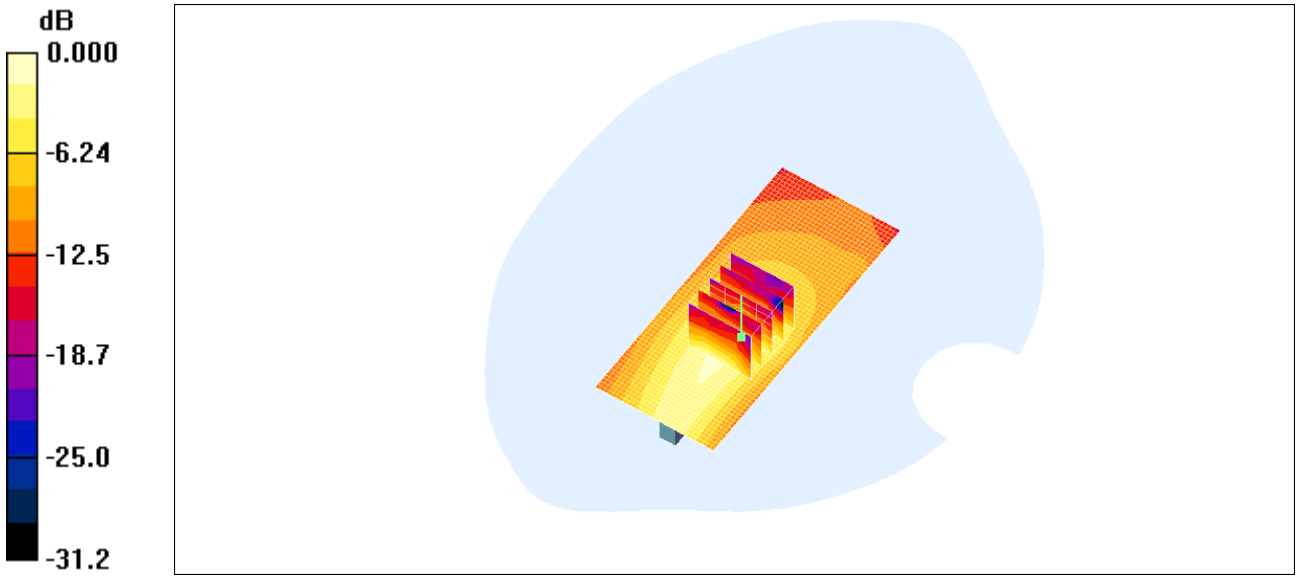
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.036 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.26 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.085 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.042 mW/g



0 dB = 0.042mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Dongle tip facing phantom & Ant Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

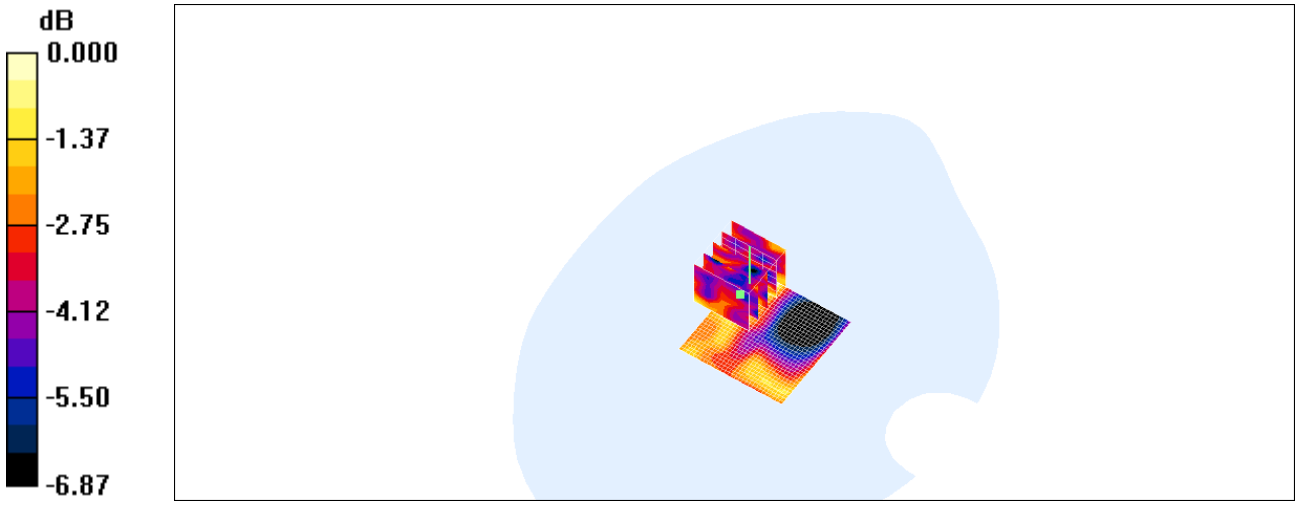
DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x31x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.004 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.513 V/m; Power Drift = 1.67 dB
Peak SAR (extrapolated) = 0.003 W/kg
SAR(1 g) = 0.00161 mW/g; SAR(10 g) = 0.00112 mW/g

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



0 dB = 0.002mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Dongle tip facing phantom & Ant Vertical

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

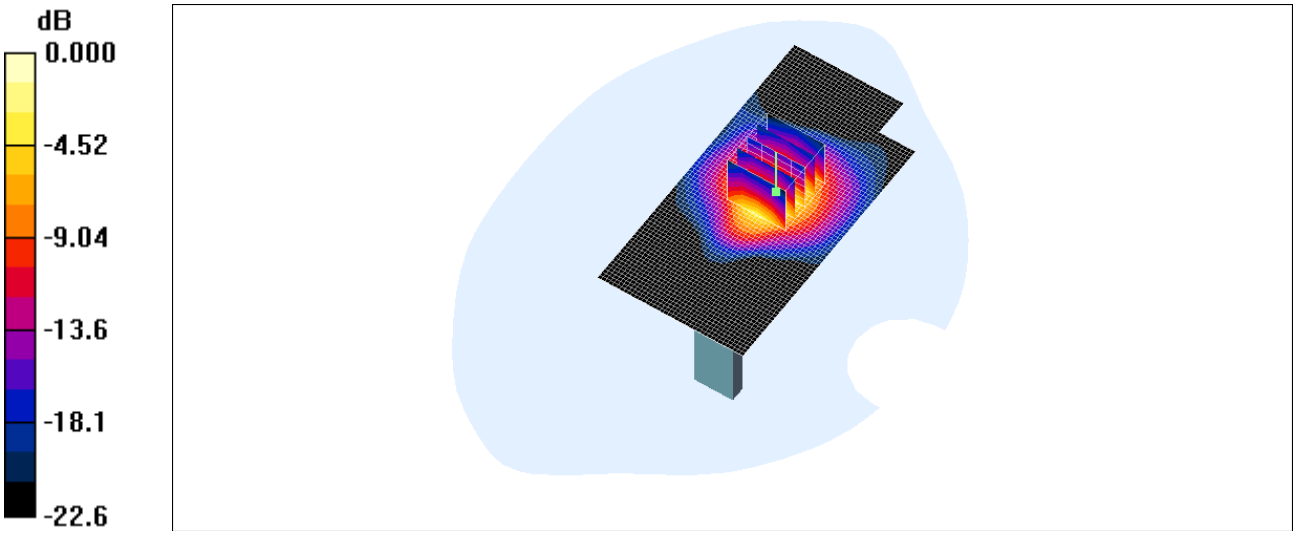
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x31x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.161 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.79 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



0 dB = 0.191mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 0CH Horizontal Down & Ant-Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2402 MHz; σ = 1.91 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

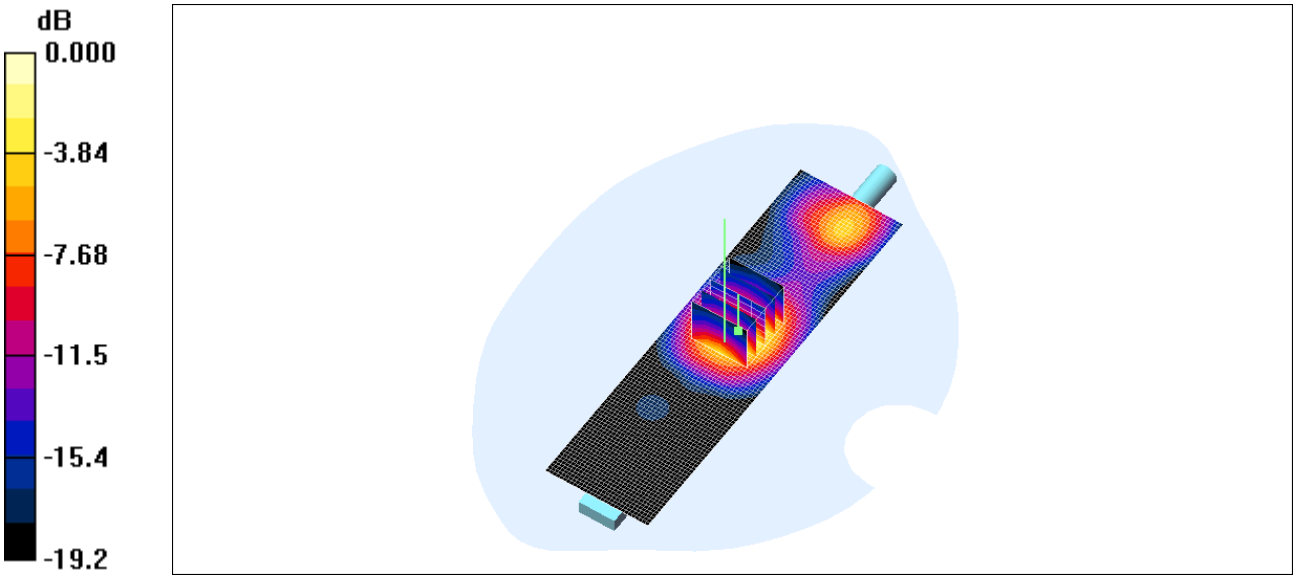
DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

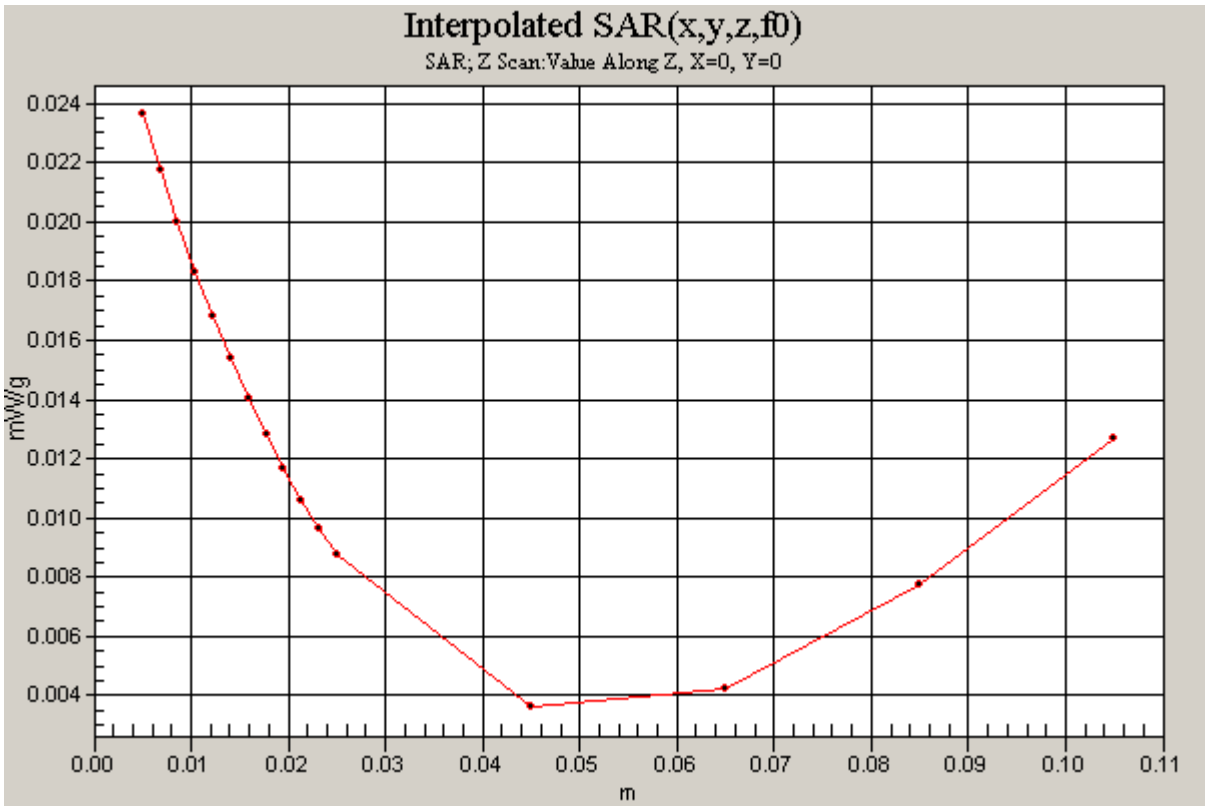
Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.233 mW/g

Z Scan (1x1x16): Measurement grid: dx=20mm, dy=20mm, dz=20mm
Maximum value of SAR (interpolated) = 0.024 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.31 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.240 mW/g


dB
0.000
-3.84
-7.68
-11.5
-15.4
-19.2

0 dB = 0.240mW/g


Interpolated SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.024
0.022
0.020
0.018
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
0.11
m

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 78CH Horizontal Down & Ant-Horizontal

***Test Date : 10th/August/2009 (Longest Ant_R-AN2400-1901RS : 20cm length/ +5dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

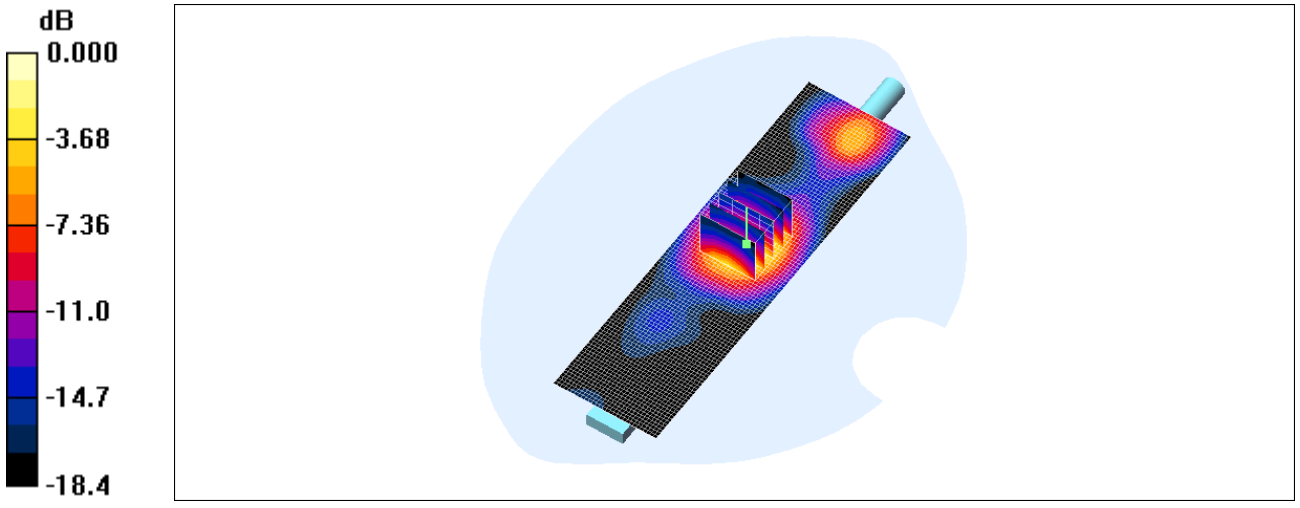
Communication System: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2480 MHz; σ = 2.01 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.165 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.70 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.369 W/kg
SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



0 dB = 0.163mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Up & Ant-Horizontal

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

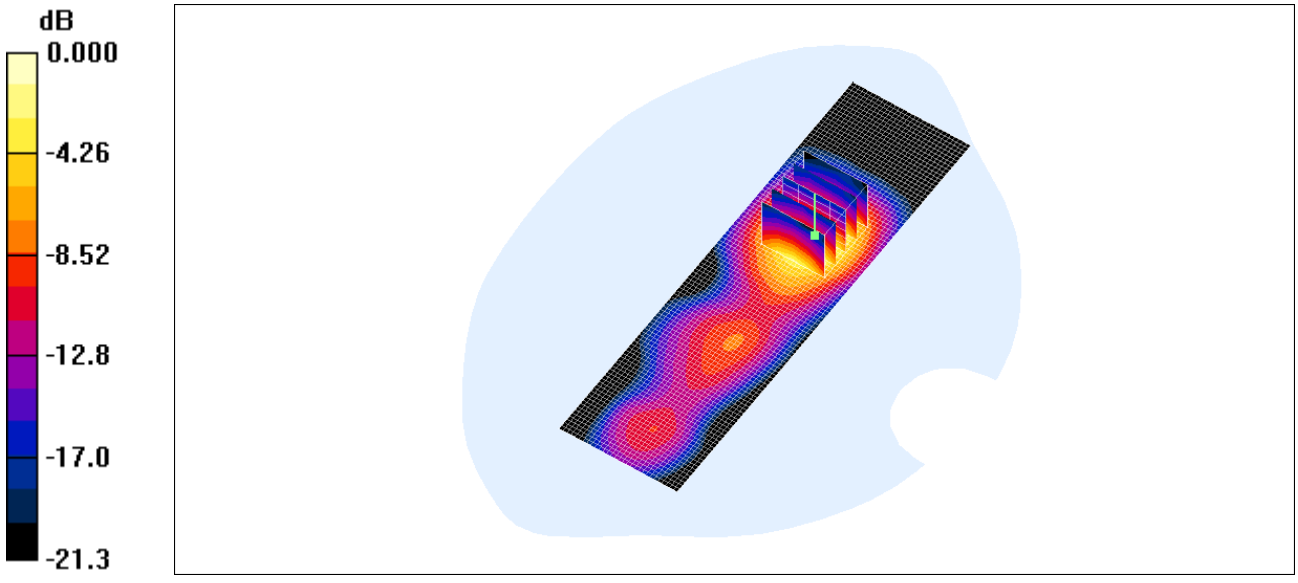
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.133 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.94 V/m; Power Drift = 0.206 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.141 mW/g



0 dB = 0.141mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Up & Ant-Vertical

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

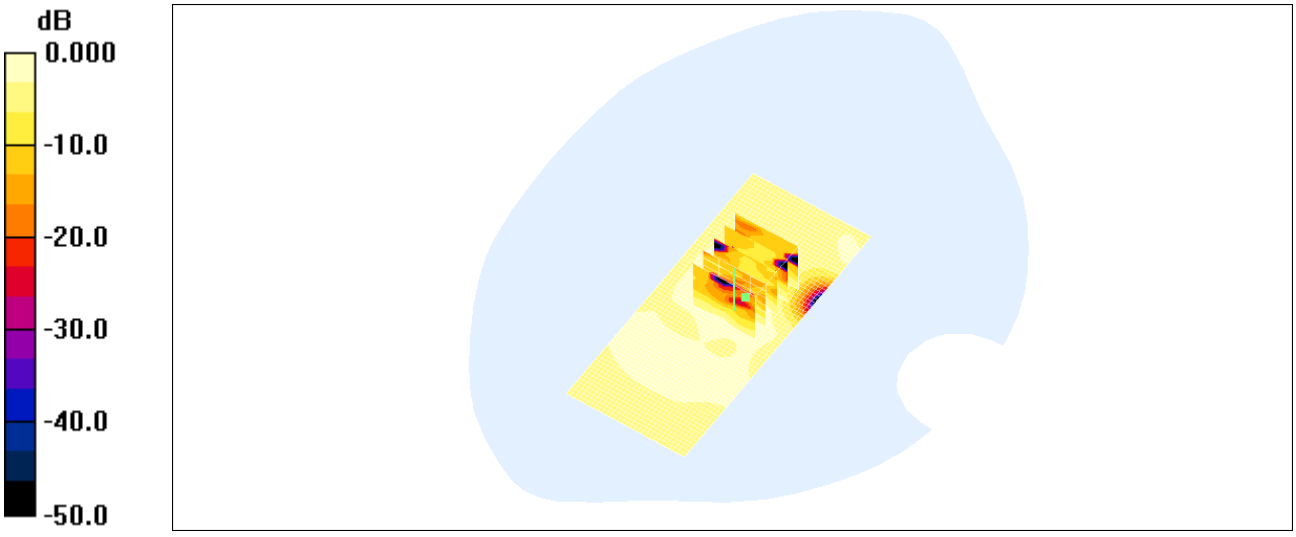
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.009 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.74 V/m; Power Drift = 0.336 dB
Peak SAR (extrapolated) = 0.013 W/kg
SAR(1 g) = 0.00685 mW/g; SAR(10 g) = 0.00353 mW/g
Maximum value of SAR (measured) = 0.008 mW/g



0 dB = 0.008mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Down & Ant-Horizontal

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

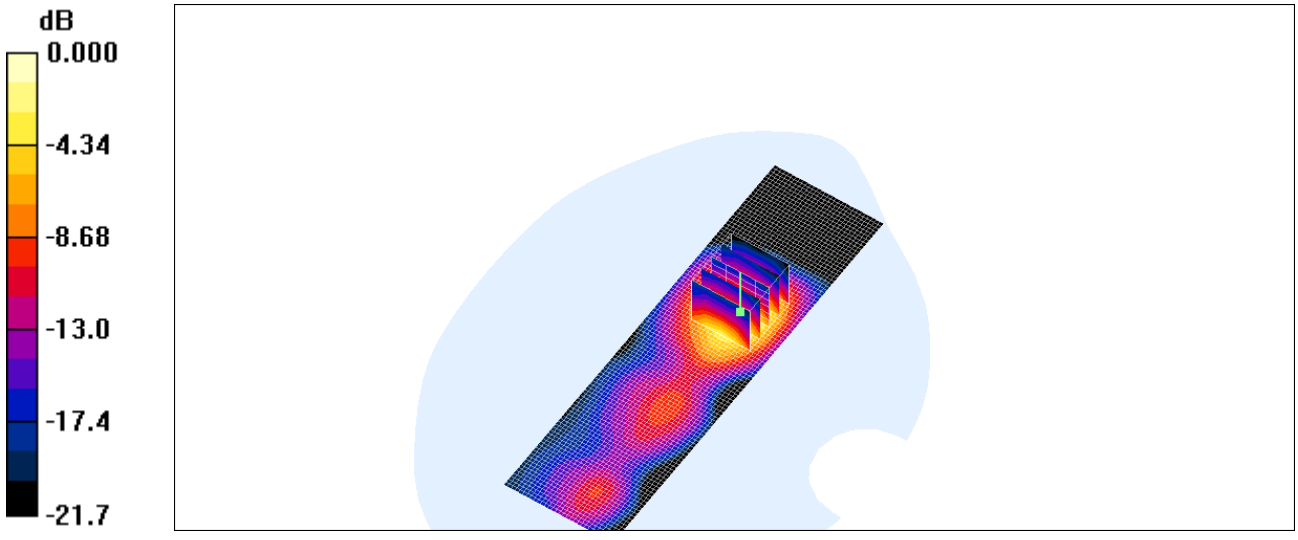
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.164 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.63 V/m; Power Drift = 0.238 dB
Peak SAR (extrapolated) = 0.348 W/kg
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.177 mW/g



0 dB = 0.177mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Down & Ant-Vertical

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

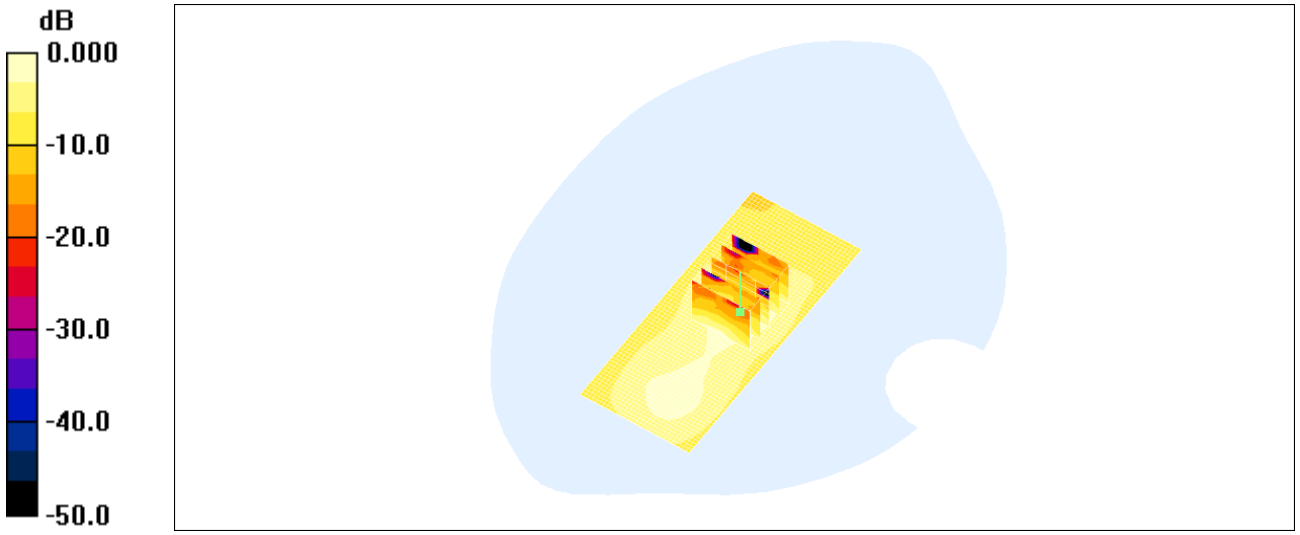
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.32 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.043 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00996 mW/g
Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.021mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Front & Ant-Horizontal

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

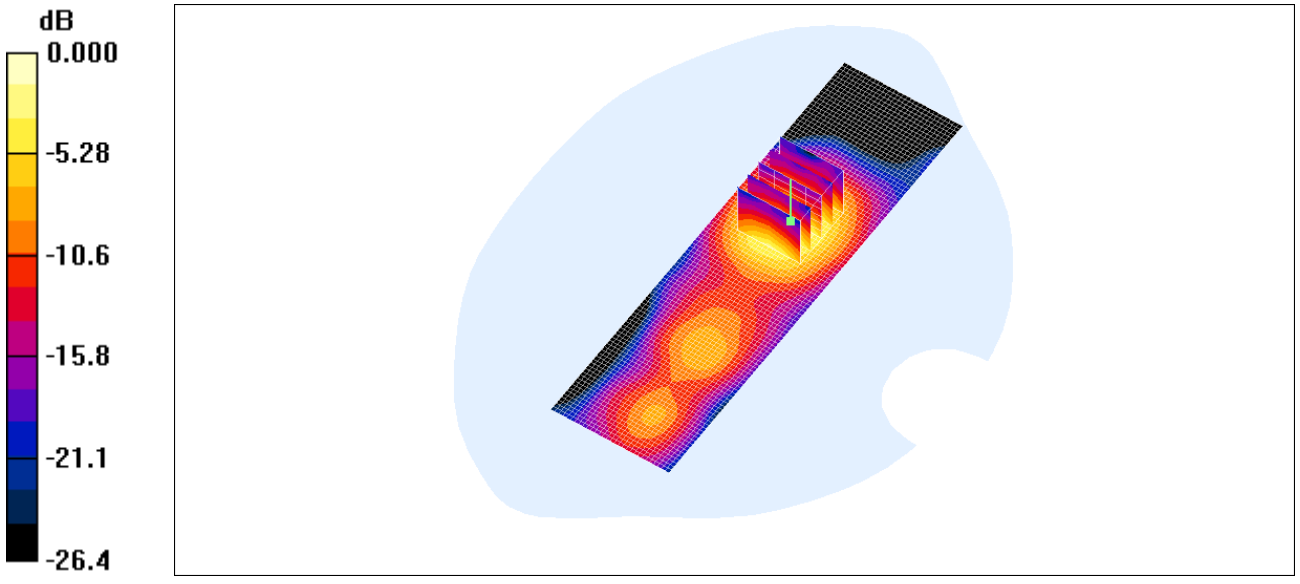
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.130 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.63 V/m; Power Drift = -0.282 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.141 mW/g



0 dB = 0.141mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Back & Ant-Horizontal

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

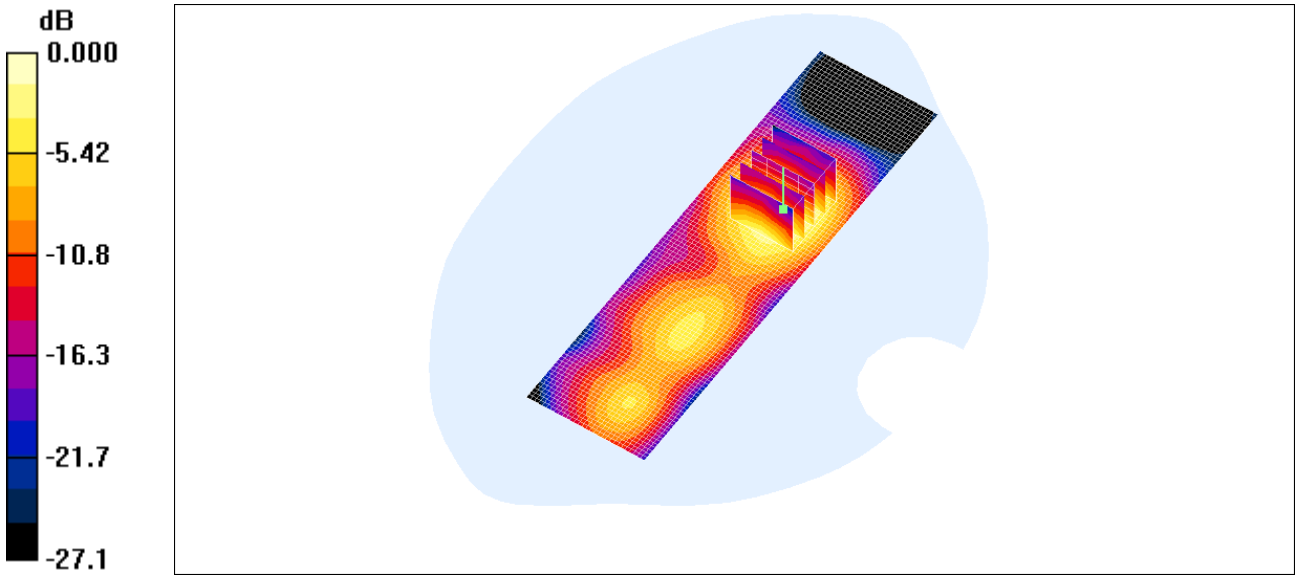
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.103 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.45 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.098 mW/g



0 dB = 0.098mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical Back & Ant-Vertical

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

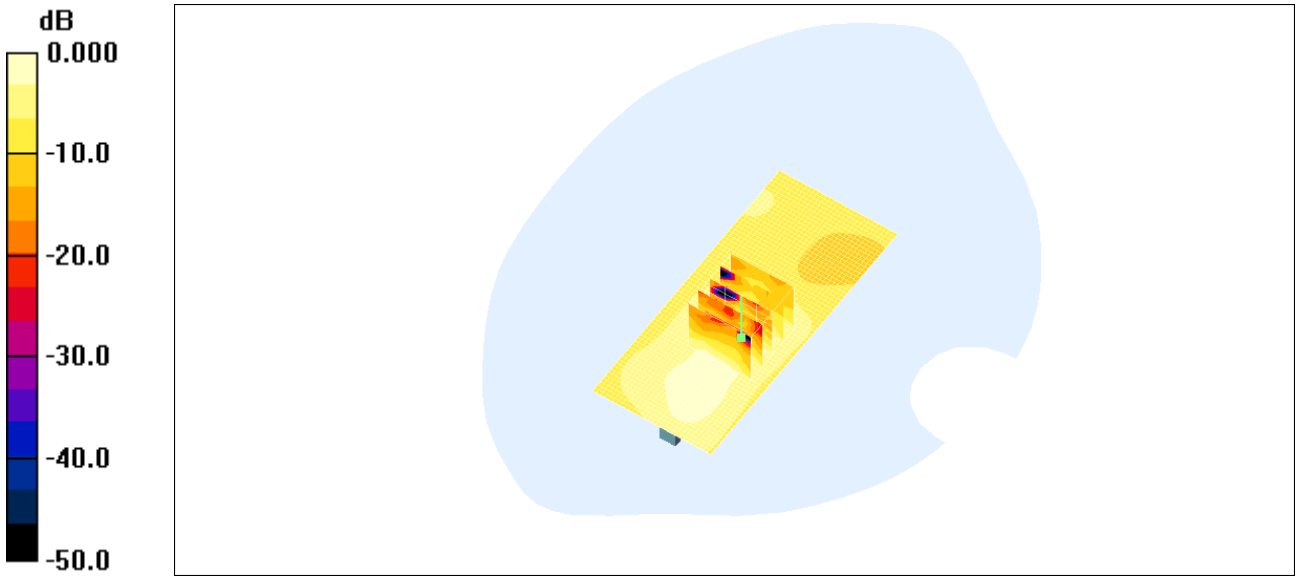
Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.017 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.41 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 0.042 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00848 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



0 dB = 0.018mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Dongle Tip facing Phantom Ant-Horizontal

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

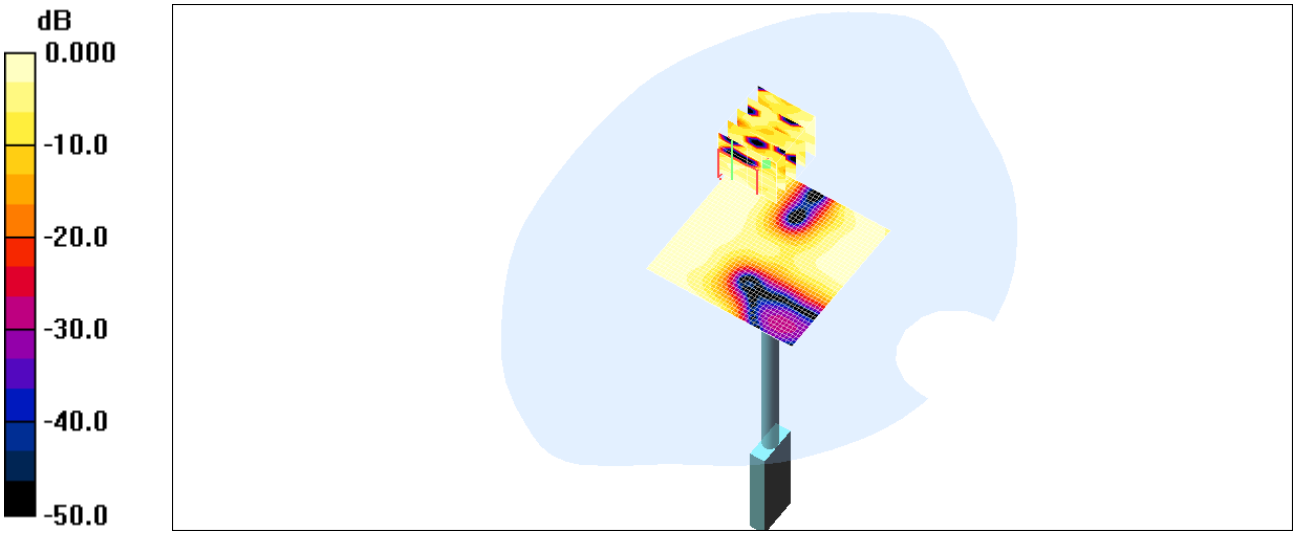
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.003 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.369 V/m; Power Drift = -999.0 dB
Peak SAR (extrapolated) = 0.010 W/kg
SAR(1 g) = 0.00185 mW/g; SAR(10 g) = 0.000668 mW/g
Maximum value of SAR (measured) = 0.002 mW/g



0 dB = 0.002mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Dongle Tip facing Phantom Ant-Vertical

***Test Date : 10th/August/2009 (Mid-size Ant_R-AN2400-5801RS : 13.7cm length/ +2dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

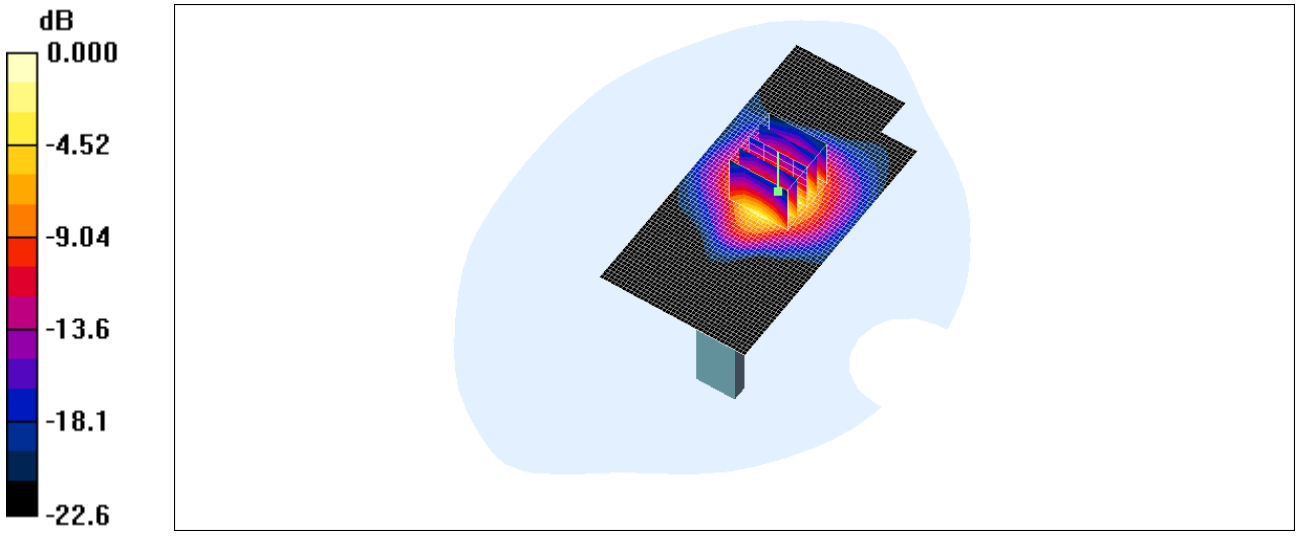
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.252 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.27 V/m; Power Drift = -1.84 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.229 mW/g



0 dB = 0.229mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Up & Fixed Ant

***Test Date : 10th/August/2009 (Short Ant_AN2400-3306RS : 3.0 cm length/+1dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

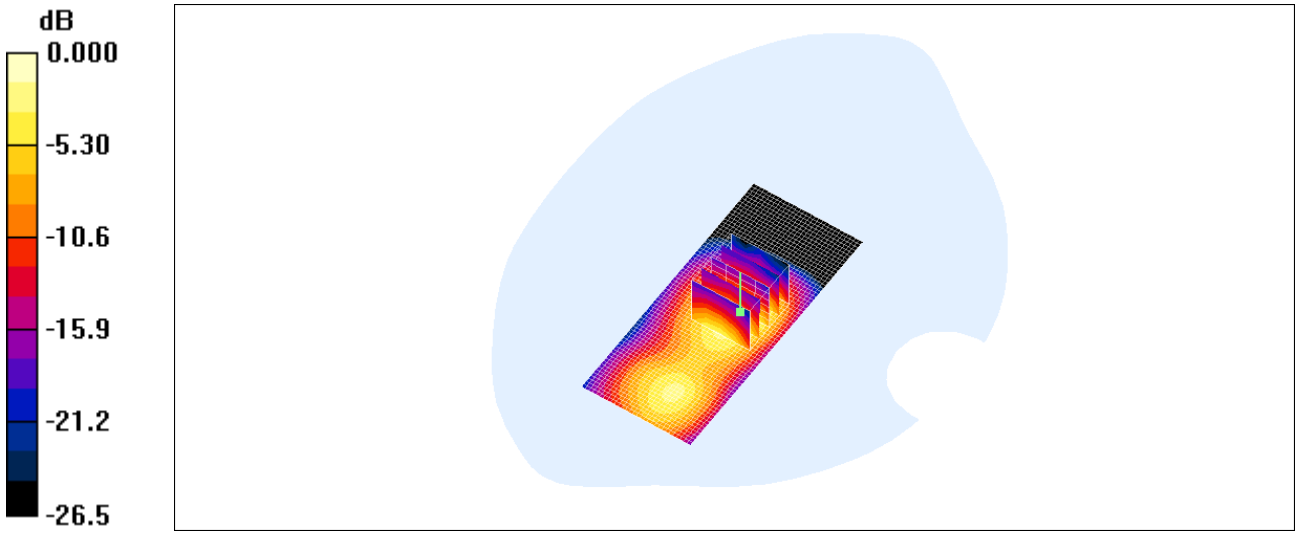
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.222 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.02 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.219 mW/g



0 dB = 0.219mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Horizontal Down & Fixed Ant

***Test Date : 10th/August/2009 (Short Ant_AN2400-3306RS : 3.0 cm length/+1dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

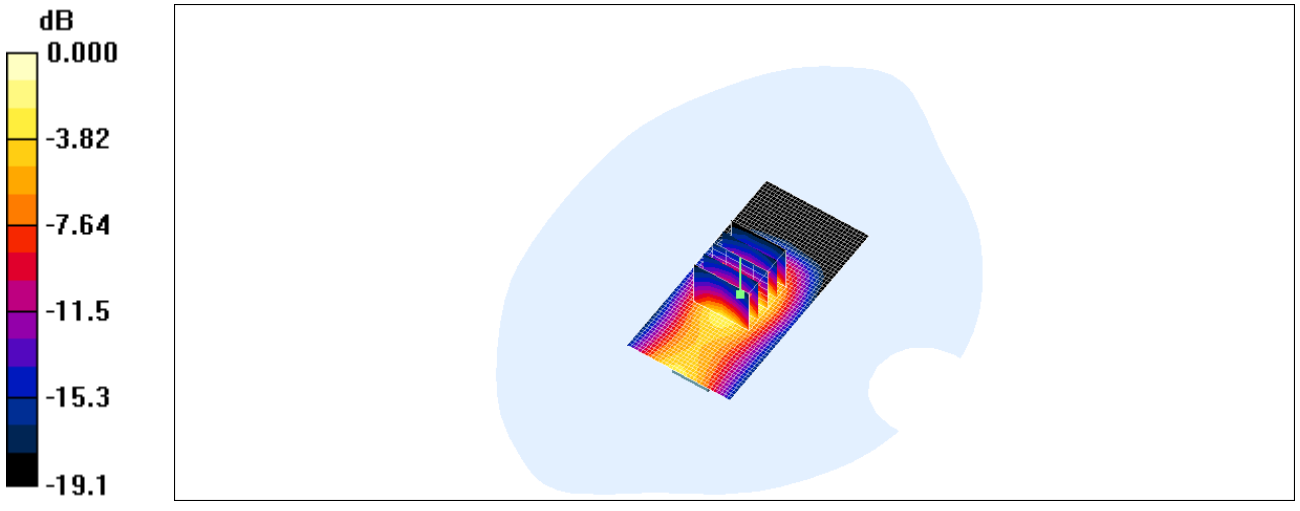
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.237 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.229 mW/g



0 dB = 0.229mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical-Front Fixed-Ant

***Test Date : 10th/August/2009 (Short Ant_AN2400-3306RS : 3.0 cm length/+1dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

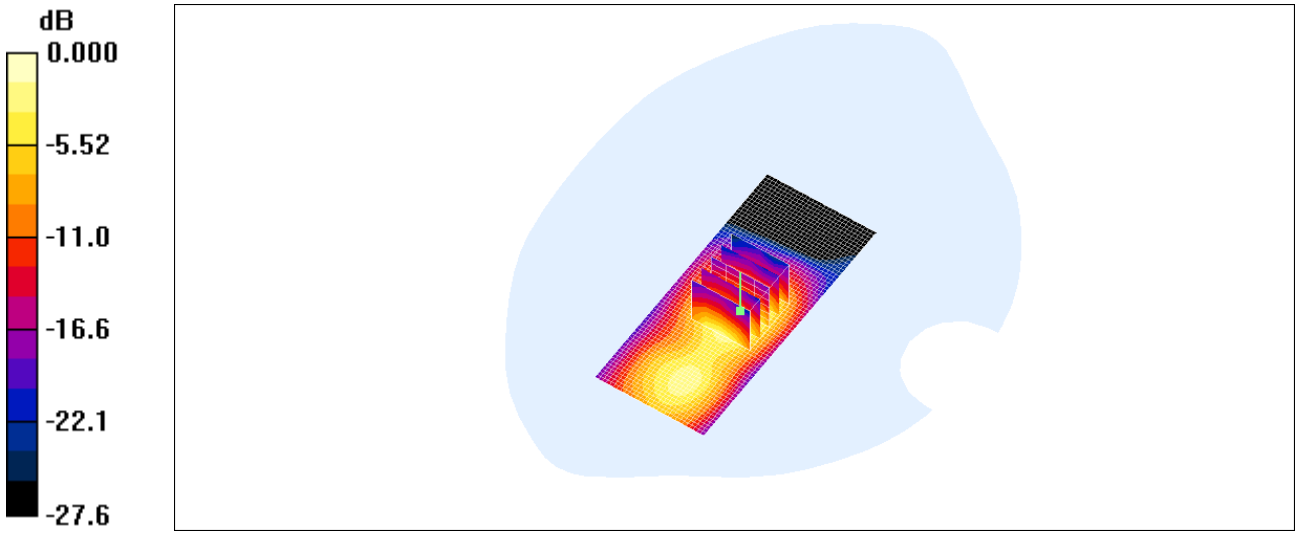
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.164 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.13 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.192 mW/g



0 dB = 0.192mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Vertical-Back Fixed-Ant

***Test Date : 10th/August/2009 (Short Ant_AN2400-3306RS : 3.0 cm length/+1dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

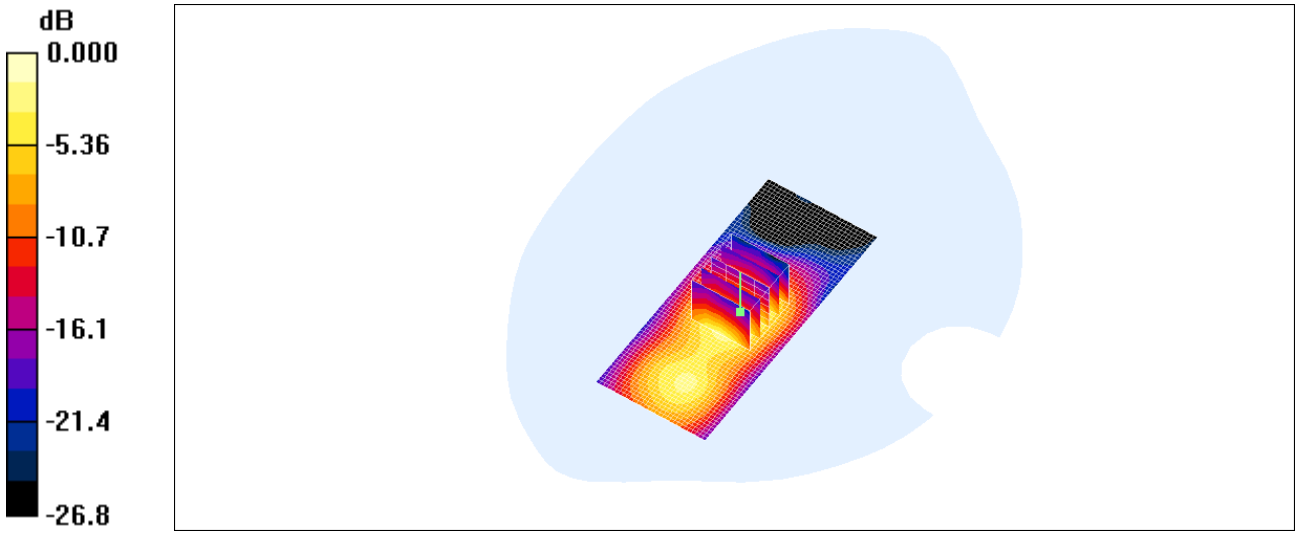
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2009-05-22
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (31x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.156 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.48 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.377 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



0 dB = 0.191mW/g

Test Laboratory: KTL

TALUS Bluetooth USB Adapter 39CH Dongle-Tip facing phantom

***Test Date : 10th/August/2009 (Short Ant_AN2400-3306RS : 3.0 cm length/+1dBi)**

Measured Liquid Temperature(℃) : 22.5 , Ambient Temperature(℃) : 22.0

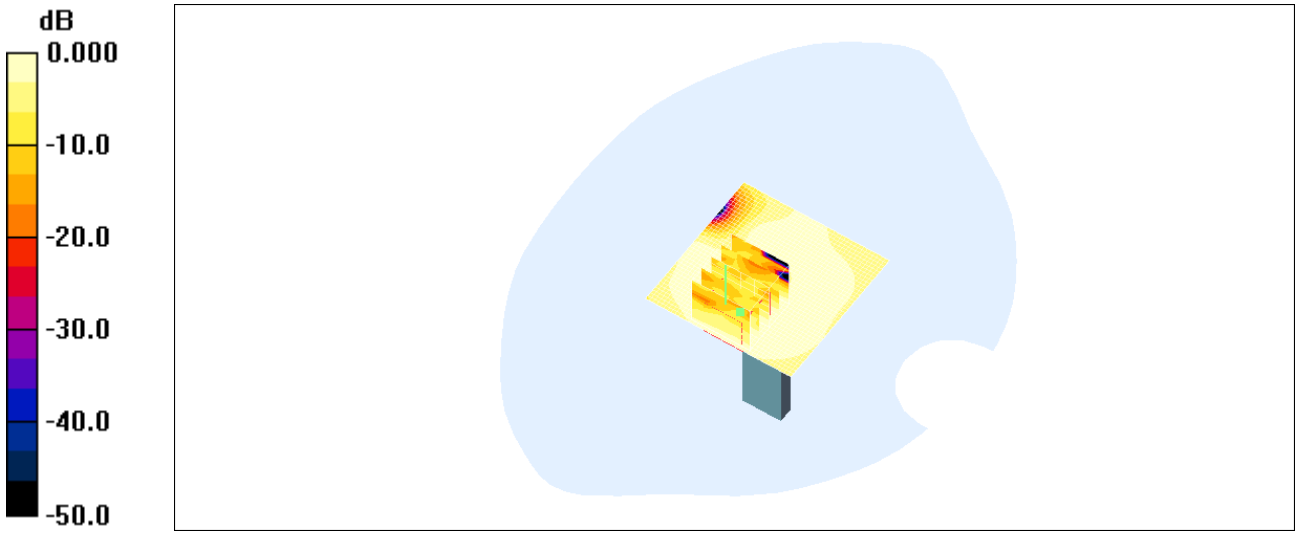
Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium: 2450D Medium parameters used: f = 2441 MHz; σ = 1.97 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3020; ConvF(3.95, 3.95, 3.95); Calibrated: 2009-07-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn559; Calibrated: 2008-03-13
- Phantom: SAM Twin Phantom_1800MHz; Type: SAM; Serial: TP-1433
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.006 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.958 V/m; Power Drift = 0.430 dB
Peak SAR (extrapolated) = 0.015 W/kg
SAR(1 g) = 0.00628 mW/g; SAR(10 g) = 0.00341 mW/g
Maximum value of SAR (measured) = 0.007 mW/g



0 dB = 0.007mW/g