SAR Test Plots

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

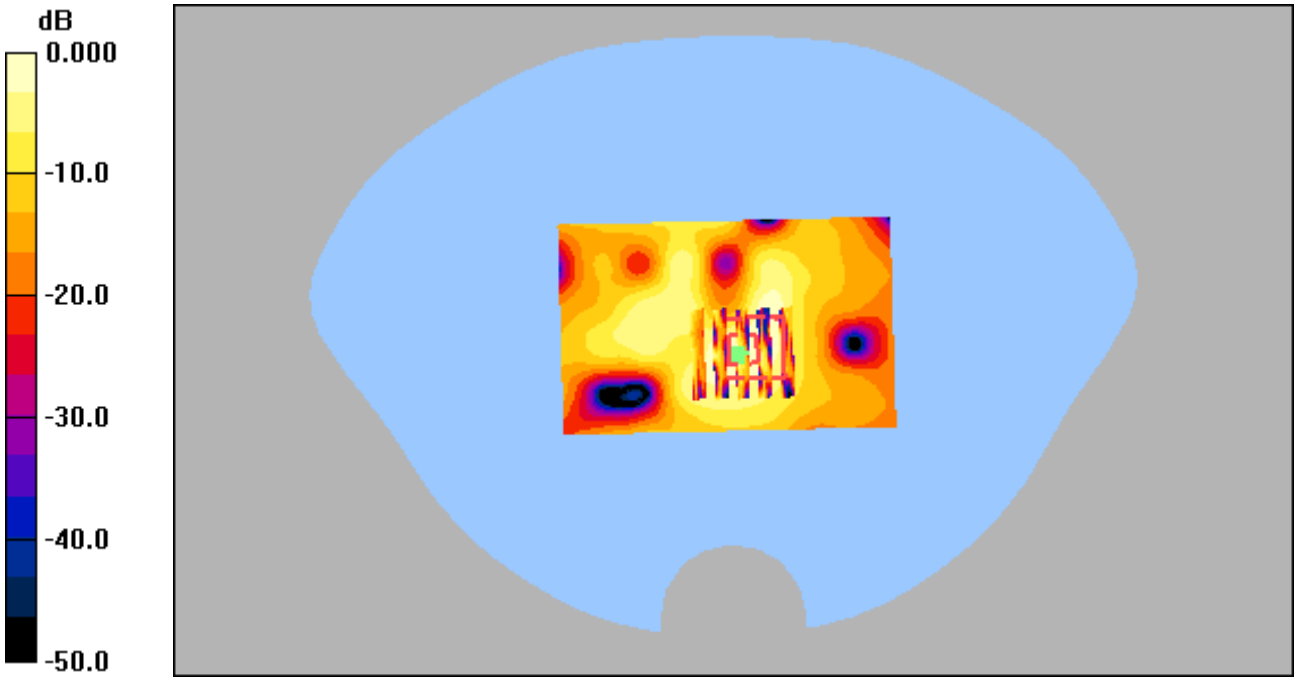
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Top, RFID Ch. 25, Ant Internal

Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.173 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.190 W/kg



0 dB = 0.881mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

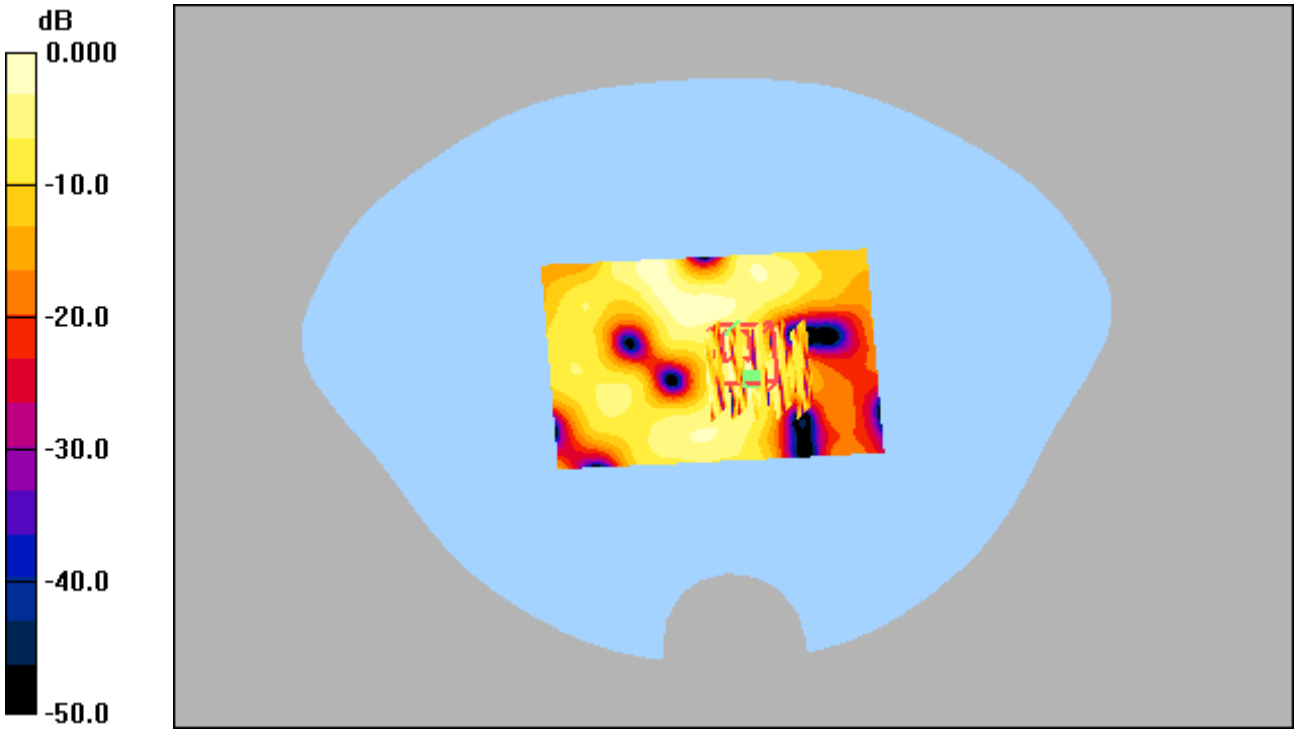
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Bottom, RFID Ch. 25, Ant Internal

Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.094 dB
Peak SAR (extrapolated) = 0.386 W/kg
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.074 W/kg



0 dB = 0.193mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

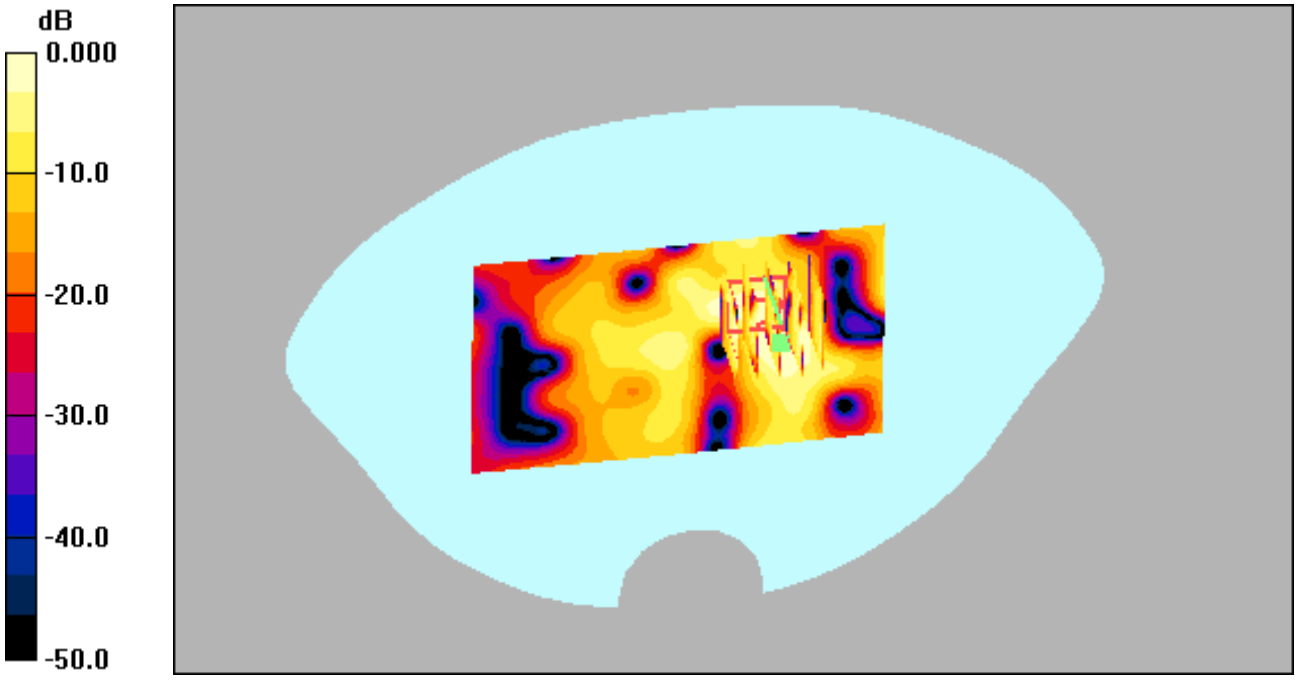
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Front, RFID Ch. 25, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.124 W/kg



0 dB = 0.373mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

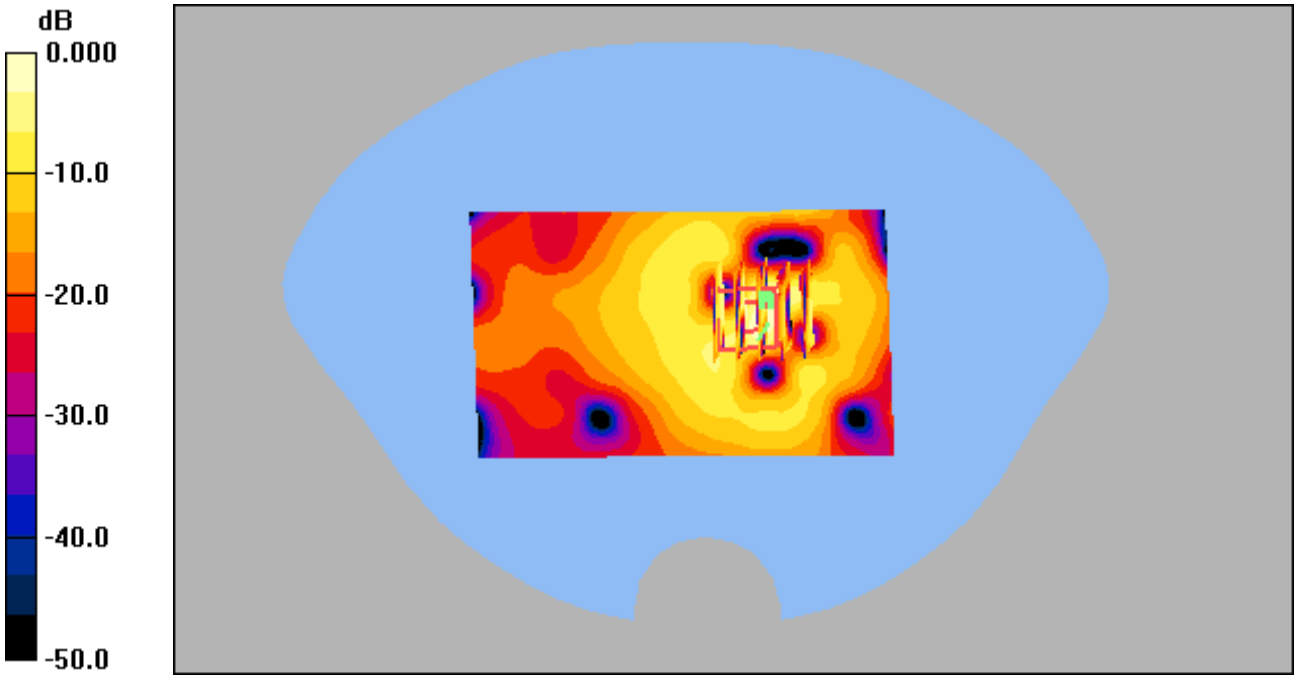
Communication System: RFID; Frequency: 902.75 MHz;Duty Cycle: 1:7.52
Medium parameters used: f = 902.75 MHz; σ = 1.06 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Rear, RFID Ch. 0, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.072 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.359 W/kg



0 dB = 1.43mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

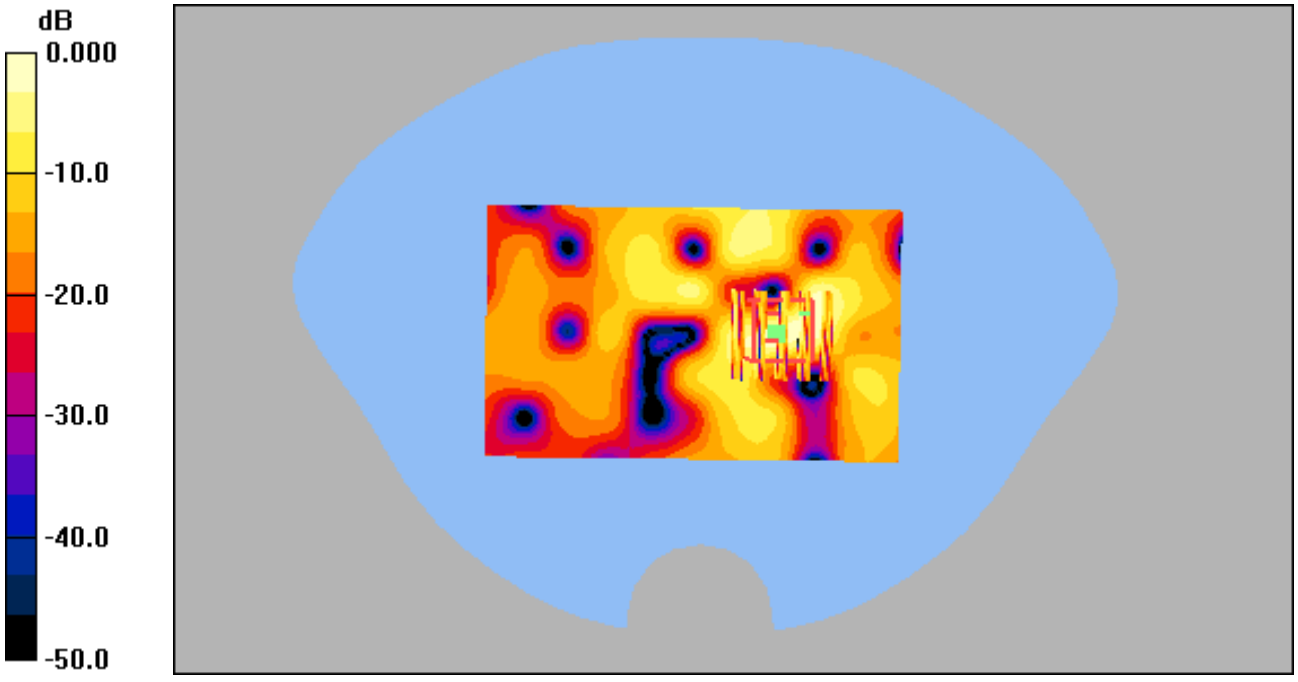
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Rear, RFID Ch. 25, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.064 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.551 W/kg



0 dB = 1.80mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

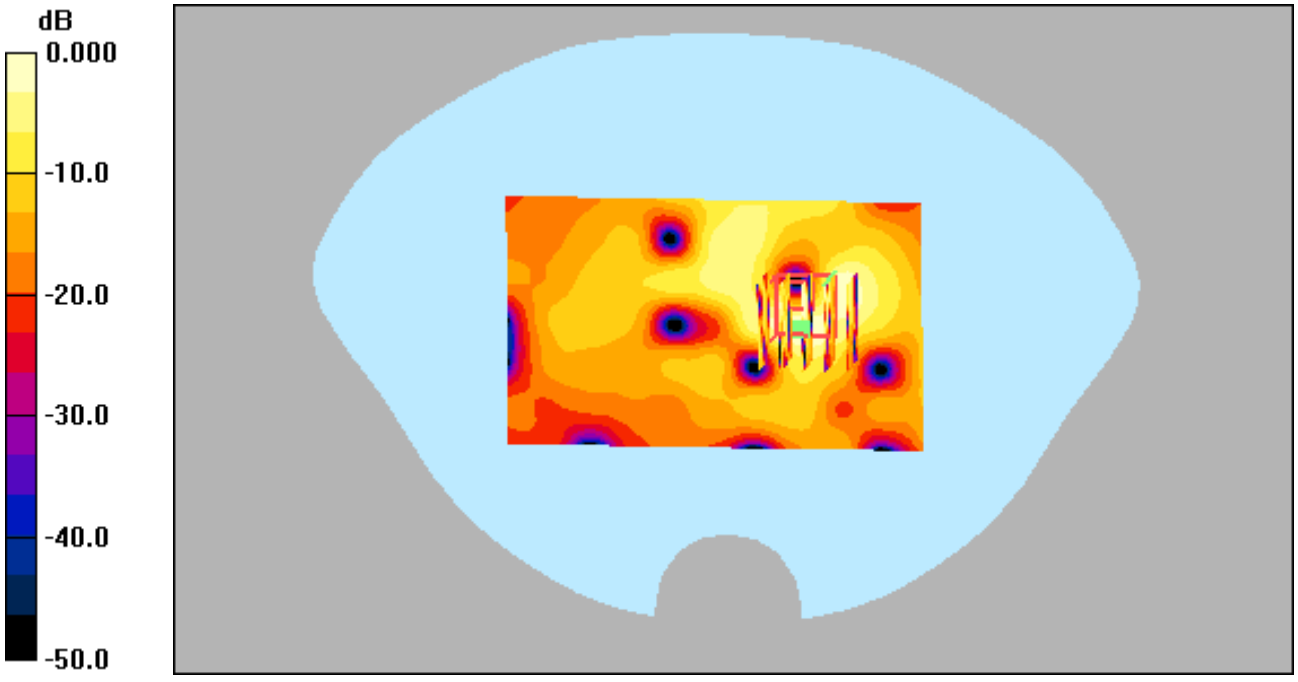
Communication System: RFID; Frequency: 927.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 927.25 MHz; σ = 1.09 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Rear, RFID Ch. 49, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.185 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.541 W/kg



0 dB = 1.90mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

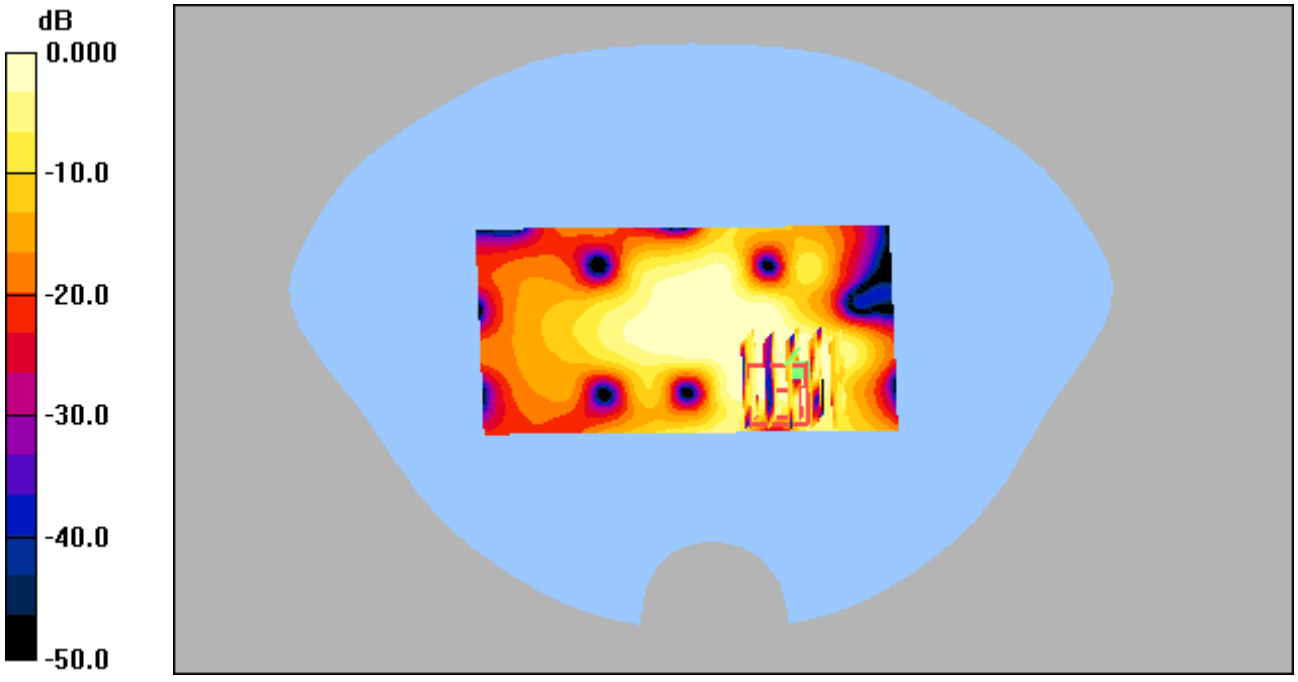
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Right, RFID Ch. 25, Ant Internal

Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.031 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.184 W/kg



0 dB = 0.808mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

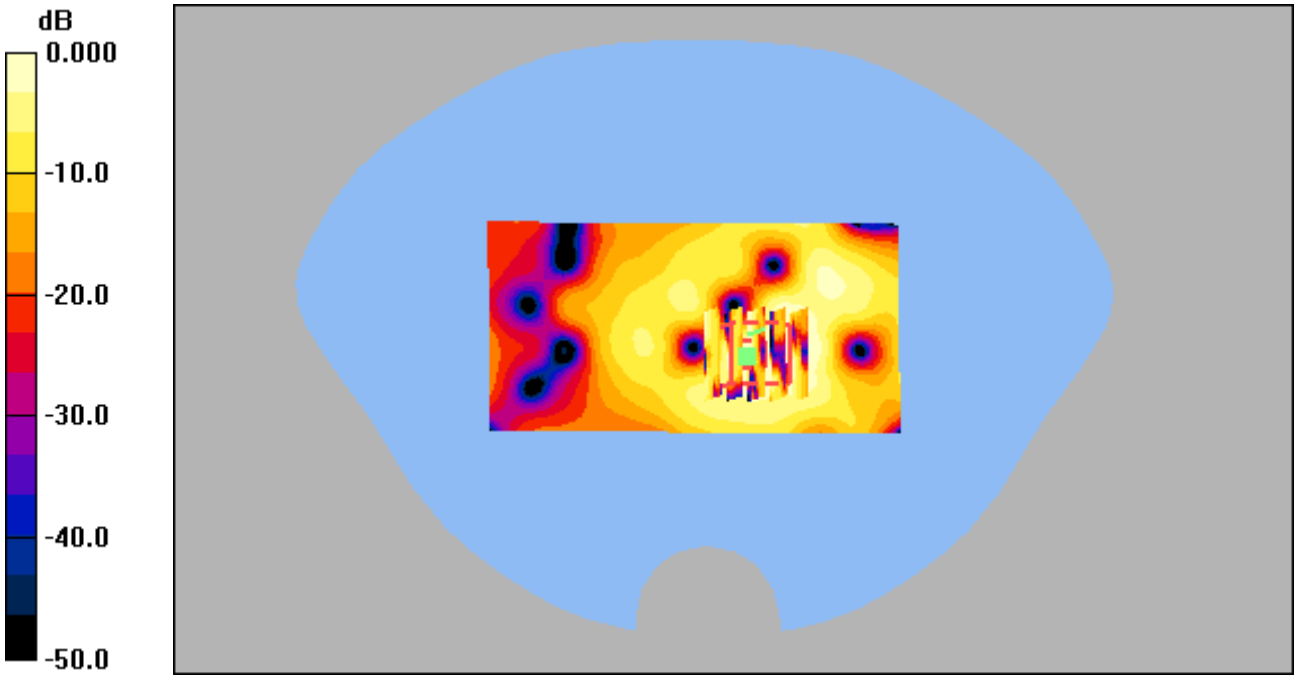
Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Left, RFID Ch. 25, Ant Internal

Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.050 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.276 W/kg



0 dB = 0.914mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 1:7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

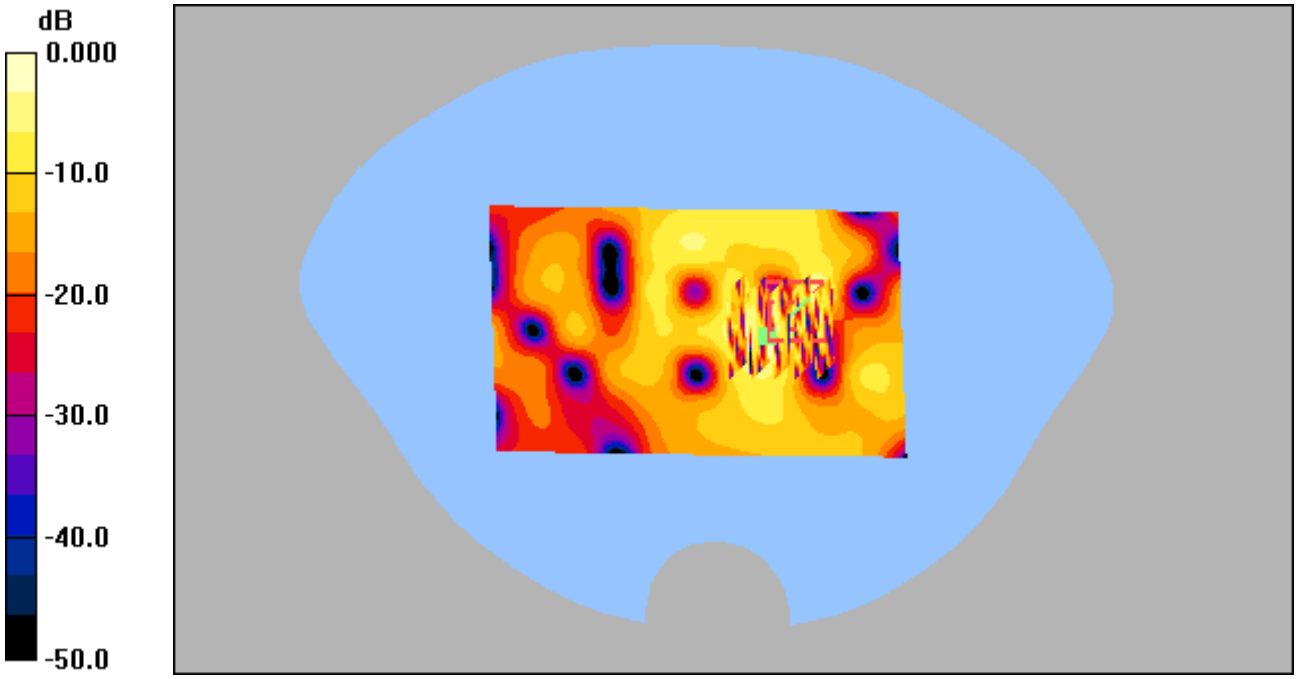
DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Rear, RFID Ch. 25, Ant Internal

SAR Variability Result

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.142 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.563 W/kg



0 dB = 1.95mW/g

DIGITAL EMC CO., LTD

DUT: AT287-UHF; Type: Bar

Communication System: RFID; Frequency: 915.25 MHz;Duty Cycle: 7.46
Medium parameters used: f = 915.25 MHz; σ = 1.08 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6R - SN1703; ConvF(6.21, 6.21, 6.21); Calibrated: 2013-07-29; Electronics: DAE3 Sn520
Phantom: SAM with CRP; Type: SAM; Serial: TP-1221
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-11-21; Ambient Temp: 22.1; Tissue Temp:22.6

Touch from Body, Rear, RFID Ch. 25, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.064 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.551 W/kg