APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

Date/Time: 25/07/2008 5:37:24 PM

Test Laboratory: RTS
File Name: DipoleValidation_835MHz_Amb_Tem_23_0_Liq_Tem_22_1_C.da4

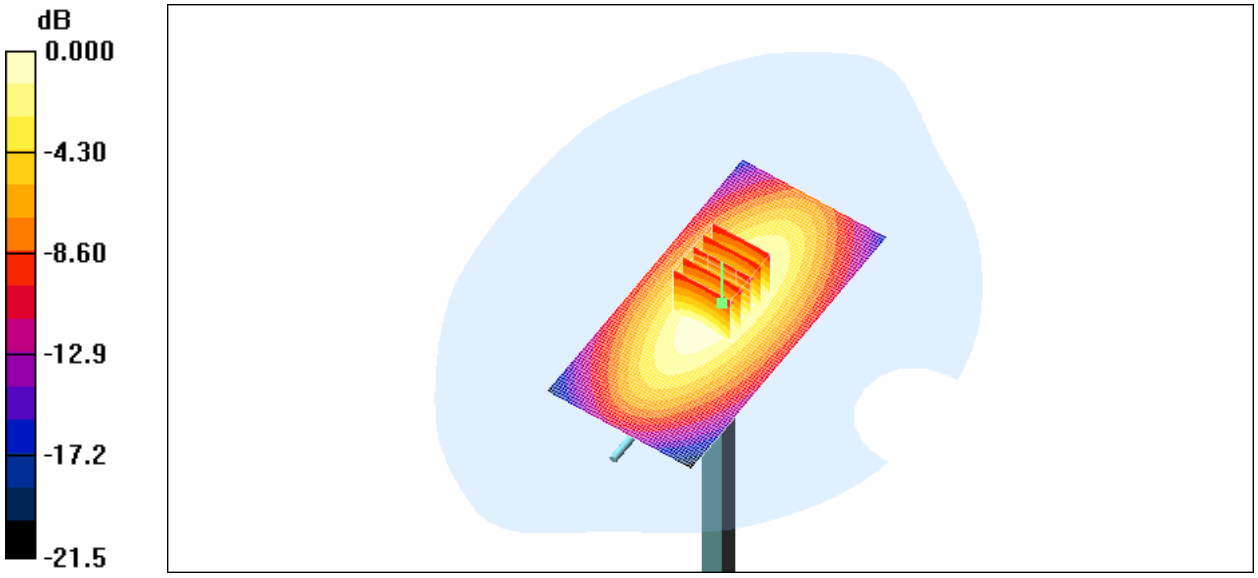
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Program Name: System Performance Check at 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; s = 0.858 mho/m; e_r = 42.3; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 109.0 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 8.68 mW/g; SAR(10 g) = 5.72 mW/g
Maximum value of SAR (measured) = 9.44 mW/g

d=15mm, Pin=1000mW/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.34 mW/g



0 dB = 9.34mW/g

Date/Time: 28/07/2008 11:01:16 AM

Test Laboratory: RTS
File Name: DipoleValidation_835MHz_Amb_Tem_22_9_Liq_Tem_22_4C_07_28_08.da4

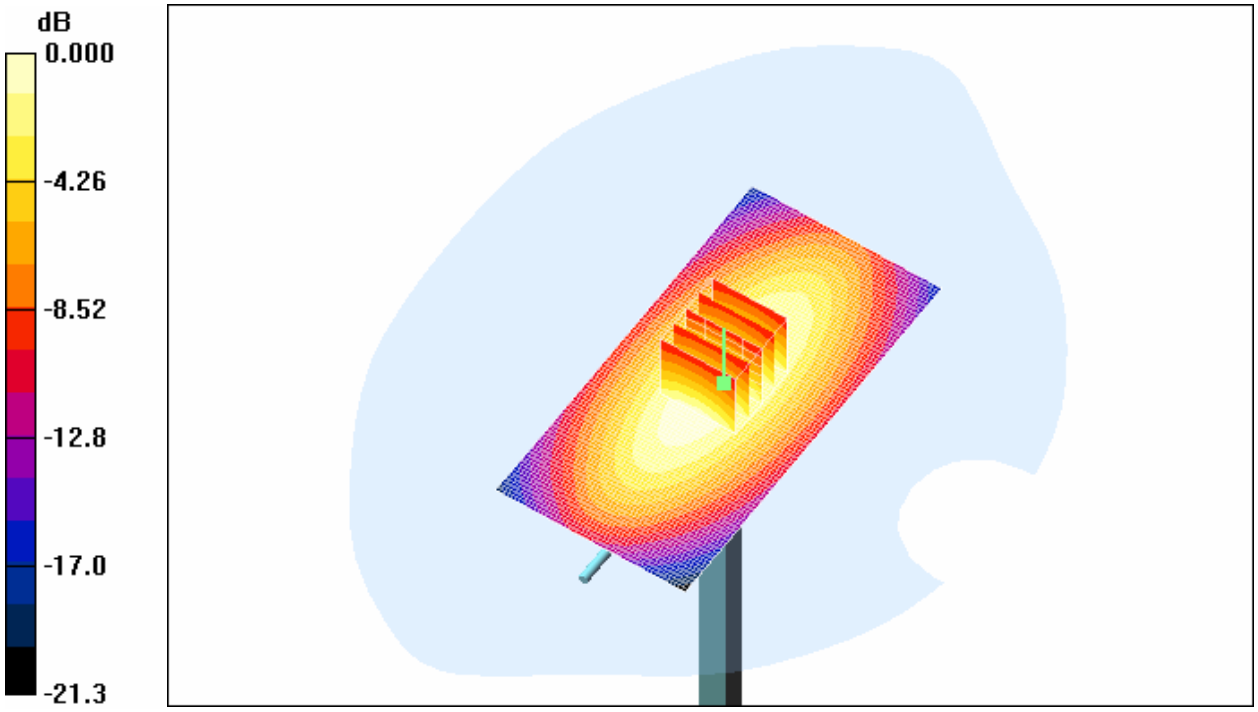
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Program Name: System Performance Check at 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; s = 0.871 mho/m; e$_r$ = 42.2; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 110.2 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 9.05 mW/g; SAR(10 g) = 5.95 mW/g
Maximum value of SAR (measured) = 9.80 mW/g

d=15mm, Pin=1000mW/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.73 mW/g



0 dB = 9.73mW/g

Date/Time: 23/07/2008 4:46:52 PM

Test Laboratory: RTS
File Name: DipoleValidation_1900MHz_Amb_Tem_23.0_Liq_Tem_22.2_C.da4

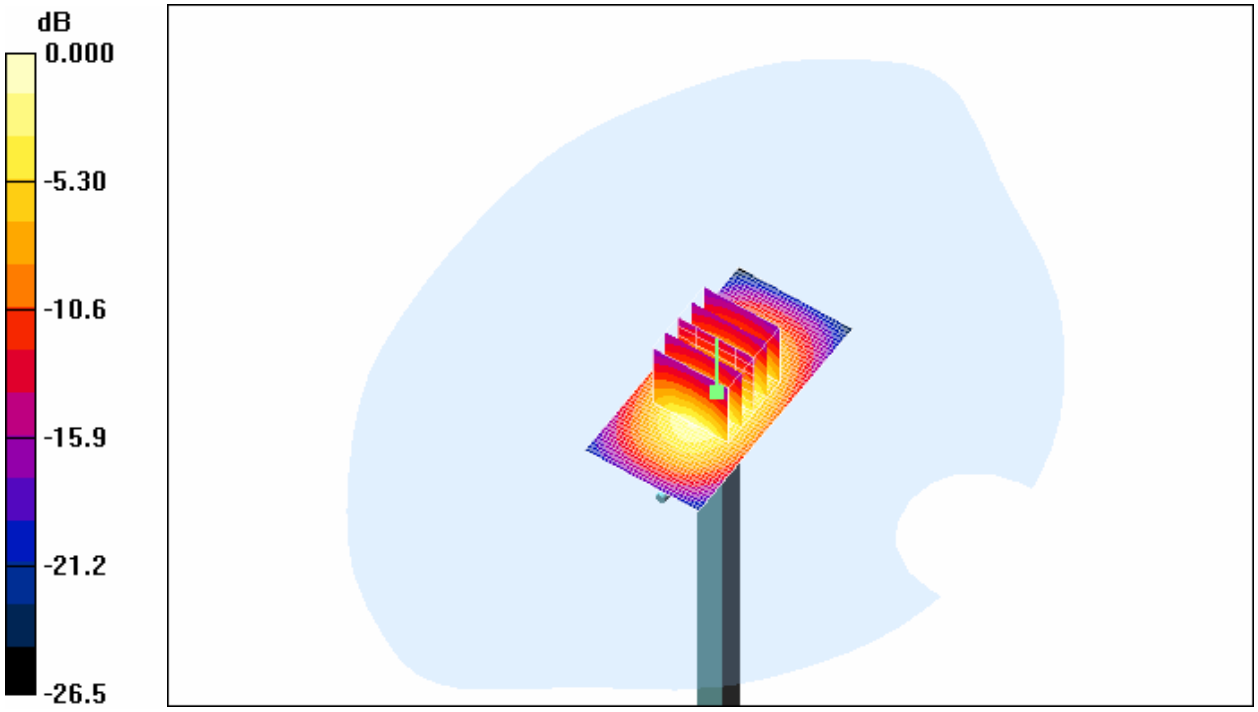
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545
Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; s = 1.47 mho/m; e_r = 38.2; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.15, 5.15, 5.15); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 190.0 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 68.0 W/kg
SAR(1 g) = 40 mW/g; SAR(10 g) = 21 mW/g
Maximum value of SAR (measured) = 45.4 mW/g

d=15mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 46.9 mW/g



0 dB = 46.9mW/g

Date/Time: 18/07/2008 4:36:11 PM

Test Laboratory: RTS
File Name: DipoleValidation_2450MHz_Amb_Tem_23.8_Liq_Tem_22.9_C.da4

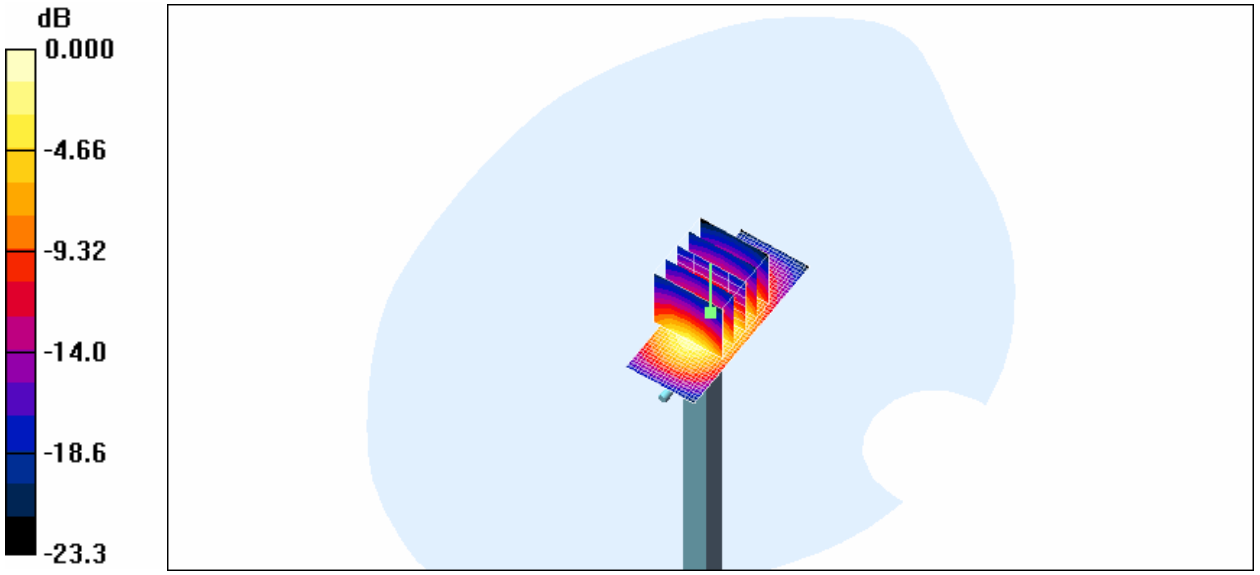
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx
Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; s = 1.92 mho/m; e_r = 37.6; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 190.2 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 128.2 W/kg
SAR(1 g) = 56.8 mW/g; SAR(10 g) = 26 mW/g
Maximum value of SAR (measured) = 62.9 mW/g

d=15mm, Pin=1000mW/Area Scan (21x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 64.6 mW/g



0 dB = 64.6mW/g

Date/Time: 21/07/2008 11:41:58 AM

Test Laboratory: RTS
File Name: DipoleValidation_2450MHz_Amb_Tem_23.3_Liq_Tem_22.6C_07_21_08.da4

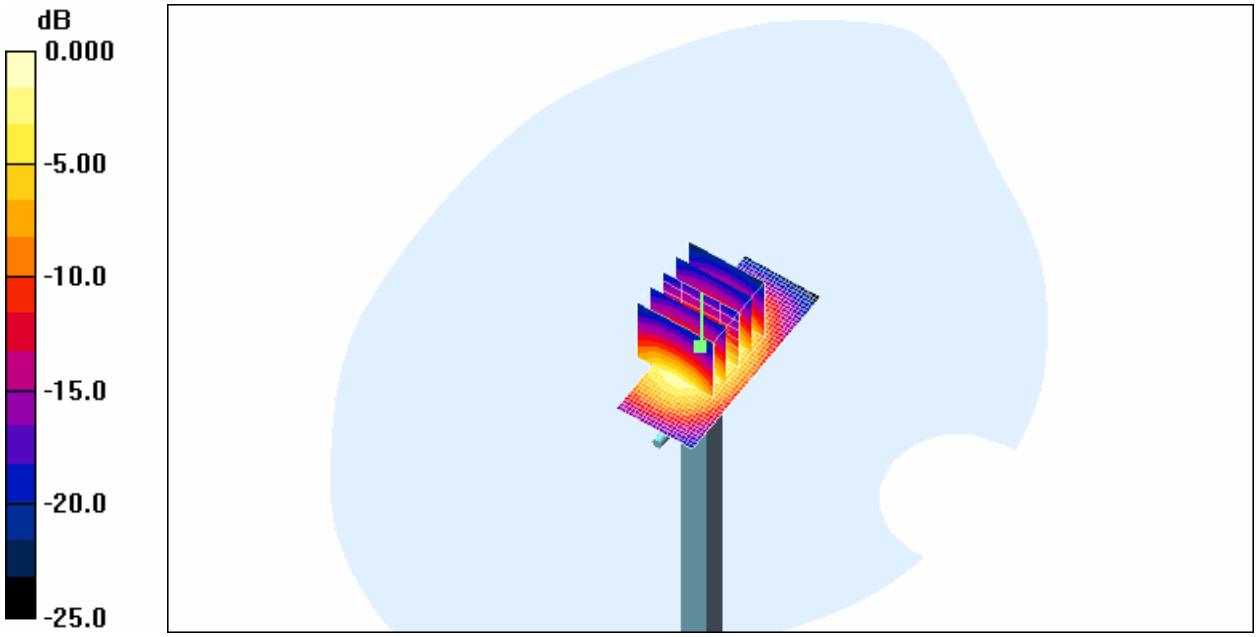
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx
Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.93 mho/m; ε_r = 37.5; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 193.1 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 133.4 W/kg
SAR(1 g) = 58 mW/g; SAR(10 g) = 26.4 mW/g
Maximum value of SAR (measured) = 63.9 mW/g

d=15mm, Pin=1000mW/Area Scan (21x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 66.5 mW/g



0 dB = 66.5mW/g

Date/Time: 29/07/2008 12:47:25 PM

Test Laboratory: RTS
File Name: DipoleValidation_2450MHz_Amb_Tem_23.0_Liq_Tem_22.4C_07_29_08.da4

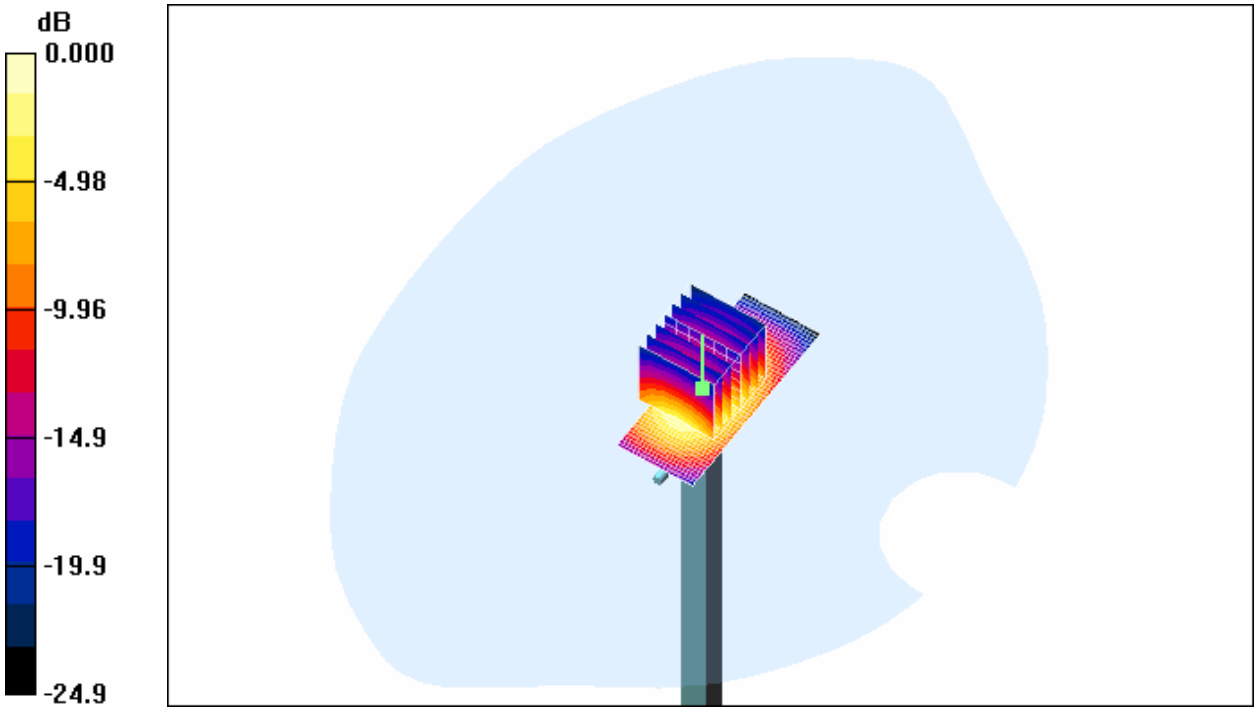
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx
Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; s = 1.92 mho/m; e_r = 37.6; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 190.9 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 130.0 W/kg
SAR(1 g) = 57.8 mW/g; SAR(10 g) = 26.4 mW/g
Maximum value of SAR (measured) = 64.2 mW/g

d=15mm, Pin=1000mW/Area Scan (21x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 65.3 mW/g



0 dB = 65.3mW/g