Simulant	Freq. [MHz]	Parameters	Liquid Temp [ºC]	Target Value	Measured Value	Deviation [%]	Limits [%]
Head	835	εr	22	41.5	41.5	0.00	±5
		σ	22	0.90	0.89	-1.11	±5
		1g SAR	22	9.5	10.0	5.26	±10

Simulant	Freq. [MHz]	Parameters	Liquid Temp [ºC]	Target Value	Measured Value	Deviation [%]	Limits [%]
Head	1900	εr	22	40.0	39.9	-0.25	±5
		σ	22	1.40	1.39	-0.71	±5
		1g SAR	22	39.7	41.6	4.79	±10

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

System Performance Test (835MHz Head)
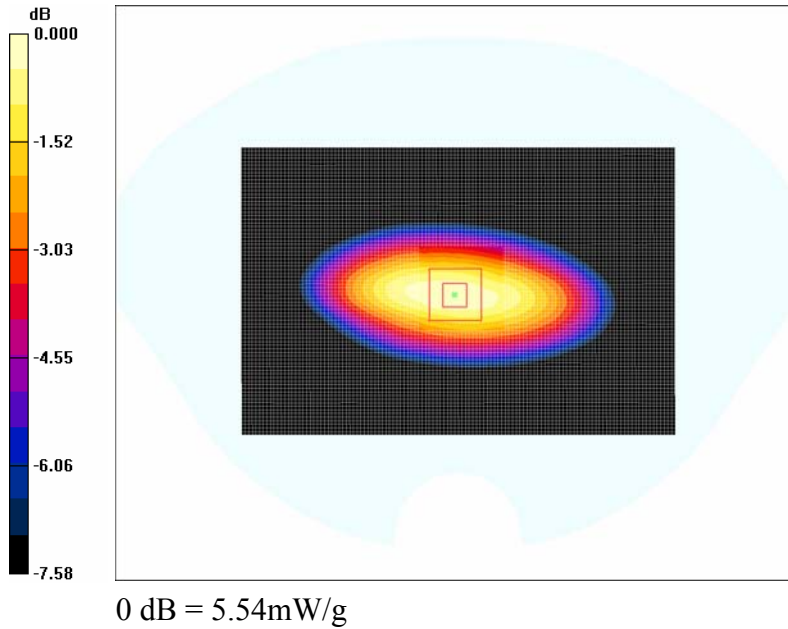
DUT: Dipole 835 MHz; Type: CD835V3; Serial: SN:1012

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.89 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(6.17, 6.17, 6.17); Calibrated: 9/22/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 11/8/2007
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 184

d =15 mm, Pin = 0.5W/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.52 mW/g

d =15 mm, Pin = 0.5W/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 79.6 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 7.12 W/kg
SAR(1 g) = 5.0 mW/g; SAR(10 g) = 3.74 mW/g
Maximum value of SAR (measured) = 5.54 mW/g

0 dB = 5.54mW/g

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

System Performance Test (1900MHz Head)

DUT: Dipole 1900 MHz; Type: CD1880V3; Serial: SN:1009

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.38 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(4.82, 4.82, 4.82); Calibrated: 9/22/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 11/8/2007
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 184

d =10 mm, Pin = 0.5W/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 26.4 mW/g

d =10 mm, Pin = 0.5W/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 118.6 V/m; Power Drift = 0.090 dB
Peak SAR (extrapolated) = 48.6 W/kg
SAR(1 g) = 20.8 mW/g; SAR(10 g) = 10.2 mW/g
Maximum value of SAR (measured) = 25.1 mW/g

0 dB = 25.1mW/g