

Trade Name:	Tottori SANYO	Model No.:	DMC201
Serial No.:	Not labelled	Test Engineer:	Xi-Ming Yang

TEST CONDITIONS			
Ambient Temperature	23 °C	Relative Humidity	55 %
Test Signal Source	Test Mode	Signal Modulation	CW
Output Power Before SAR Test	26.4 to 26.6 dBm	Output Power After SAR Test	26.4 to 26.6 dBm
Test Duration	23 Min.	Number of Battery Change	1

Face-Down 16.7mm from Phantom					
Channel	Operating Mode	Duty Cycle ratio	Antenna Position	Measured SAR _{1g} (mW/g)	Plot Number
825 MHz	AMPS	1	Fully Extended	0.32	1
		1	Fully Retracted	0.24	2
836 MHz	AMPS	1	Fully Extended	0.23	3
		1	Fully Retracted	0.45	4
849 MHz	AMPS	1	Fully Extended	0.28	5
		1	Fully Retracted	0.26	6

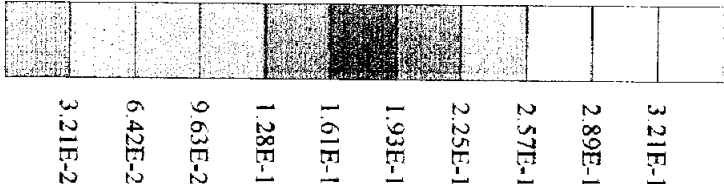
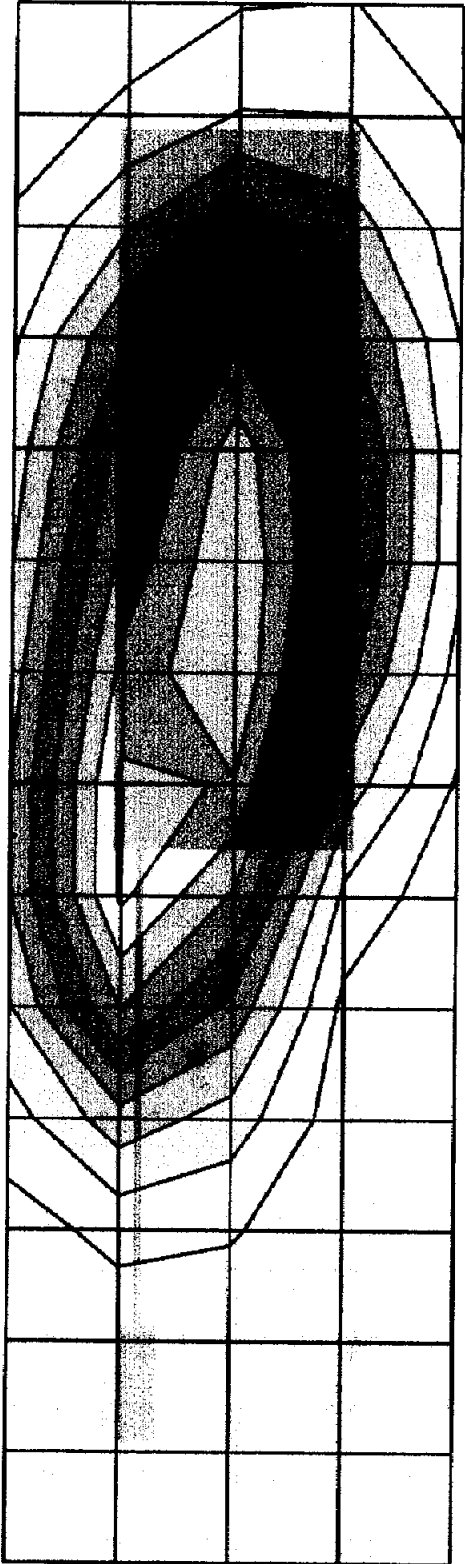
Face-Up 16.7mm from Phantom					
Channel	Operating Mode	Duty Cycle ratio	Antenna Position	Measured SAR _{1g} (mW/g)	Plot Number
849	AMPS	1	Fully Retracted	0.264	7

- Note:
- a) Worst case data were reported
 - b) Duty cycle factor included in the measured SAR data
 - c) Uncertainty of the system is not included
 - d) Test was repeated at worst case frequency found in Right hand usage configuration.

Plot 1

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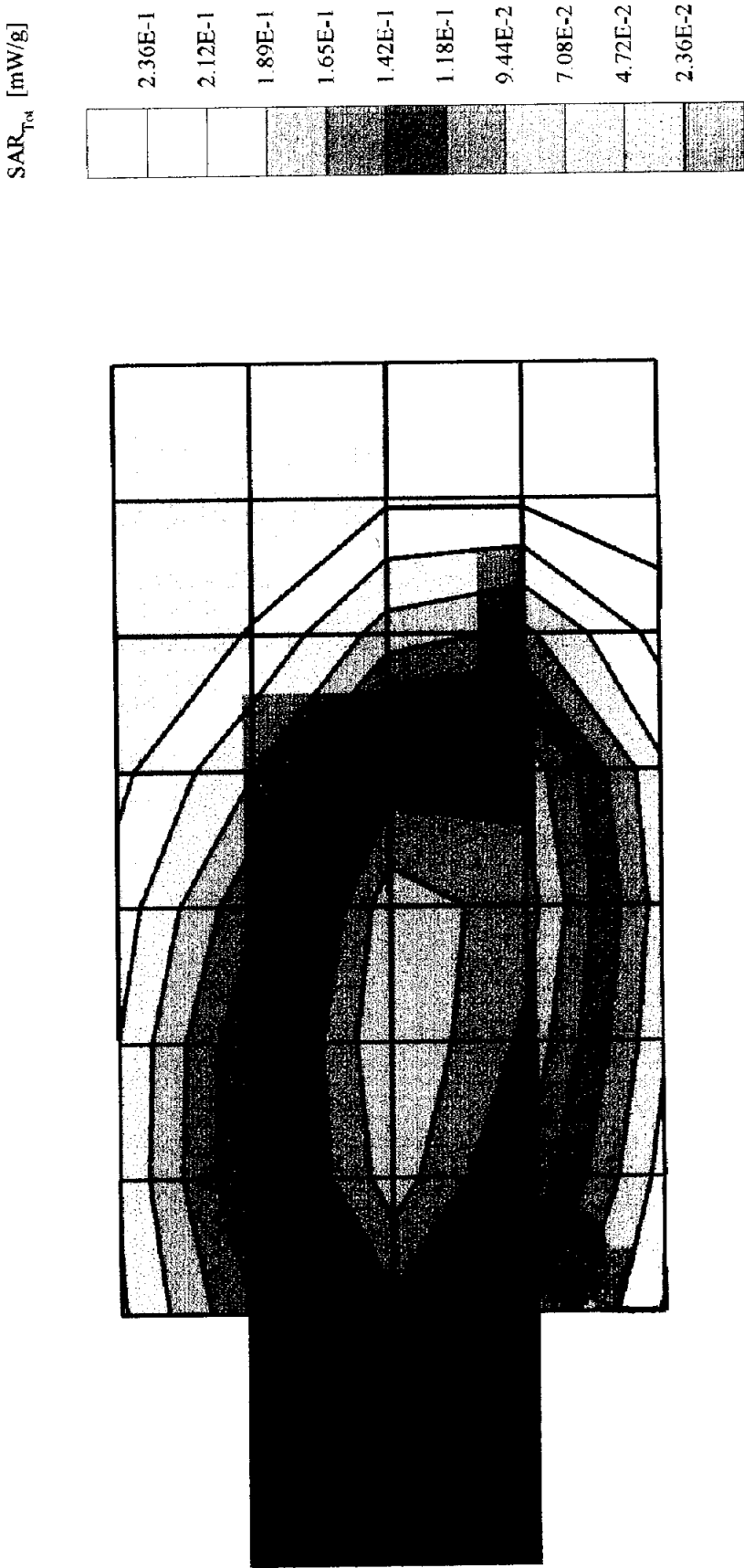
Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 825 MHz
Probe: ET3DVS - SN1333; ConvF(5.85, 5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.320 mW/g; SAR (10g): 0.230 mW/g; (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.05 dB
Face down 16.7mm from phantom.



Plot 2

Mitsui DMC201

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 825 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.239 mW/g, SAR (10g): 0.174 mW/g * Max outside, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.03 dB
Face down. 16.7mm from phantom.

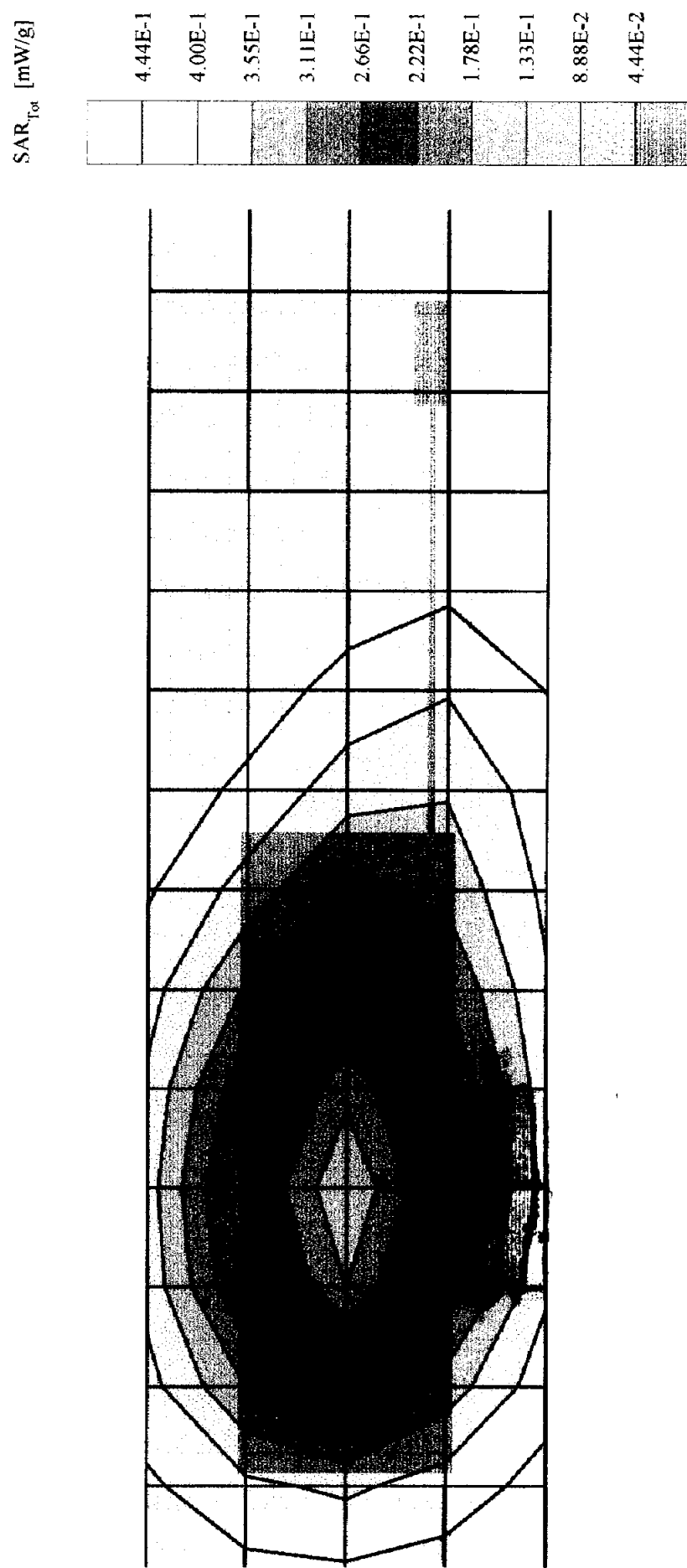


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Plot 3

Mitsui_DMC201

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85, 5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.226 mW/g, SAR (10g): 0.163 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.15 dB
Face down. 16.7mm from phantom.

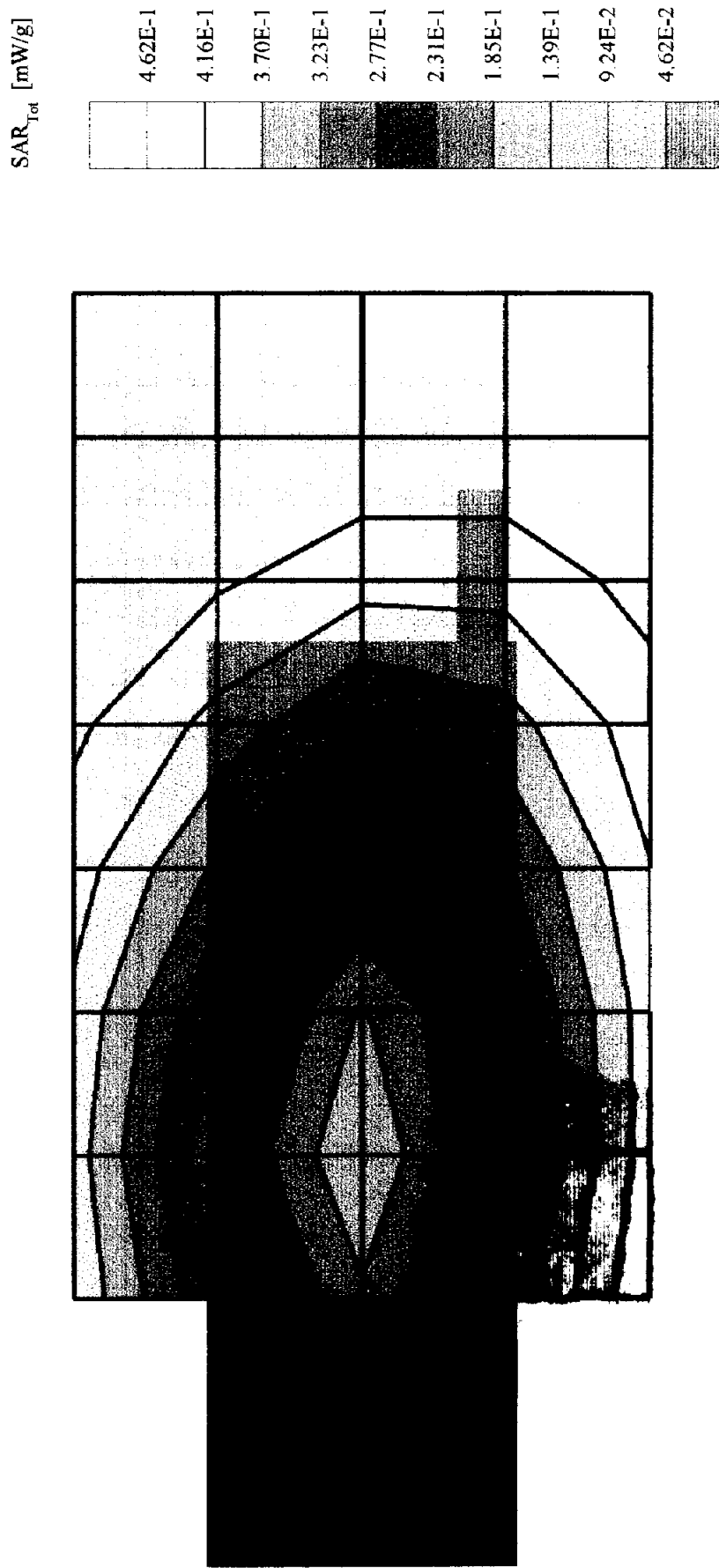


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Plot 4

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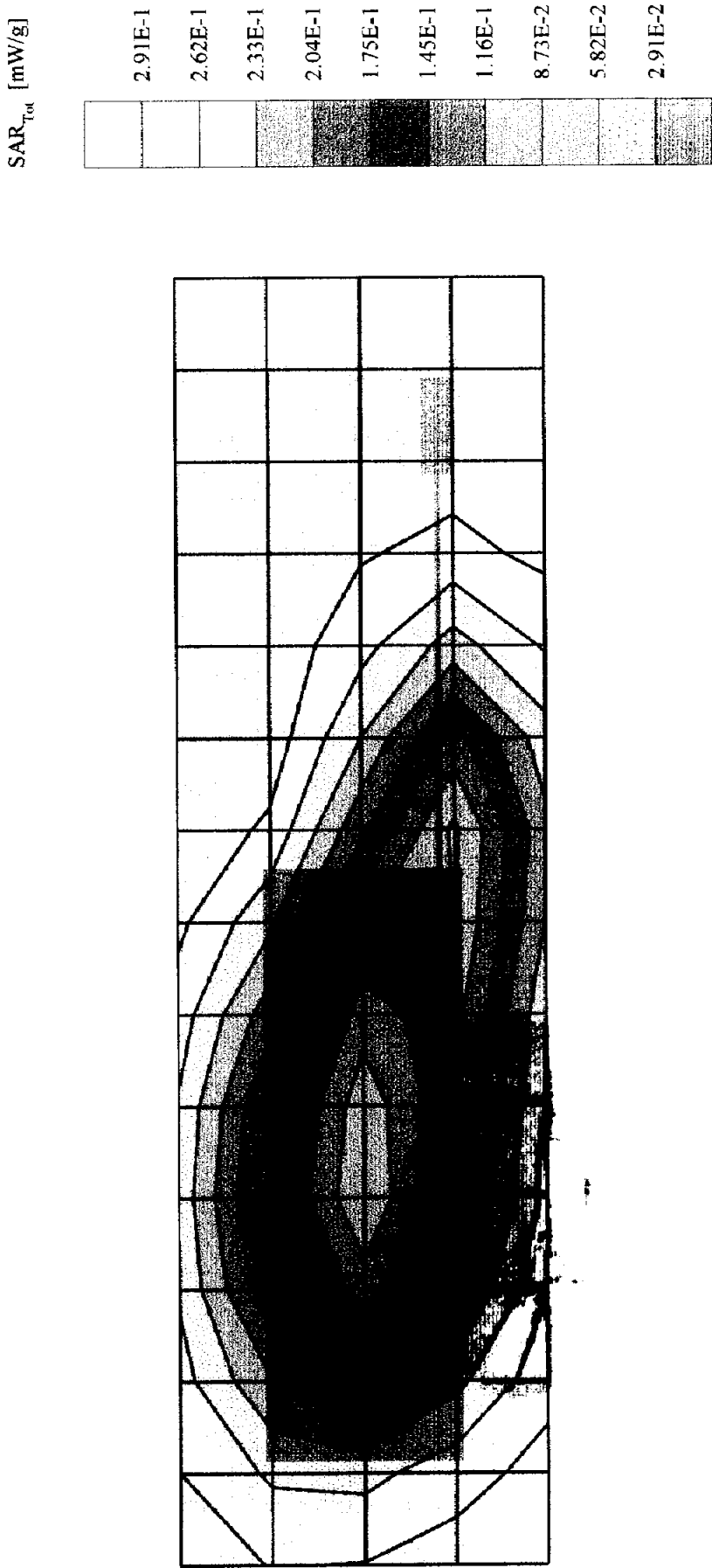
Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.454 mW/g, SAR (10g): 0.327 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.01 dB
Face down. 16.7mm from phantom



Plot 5

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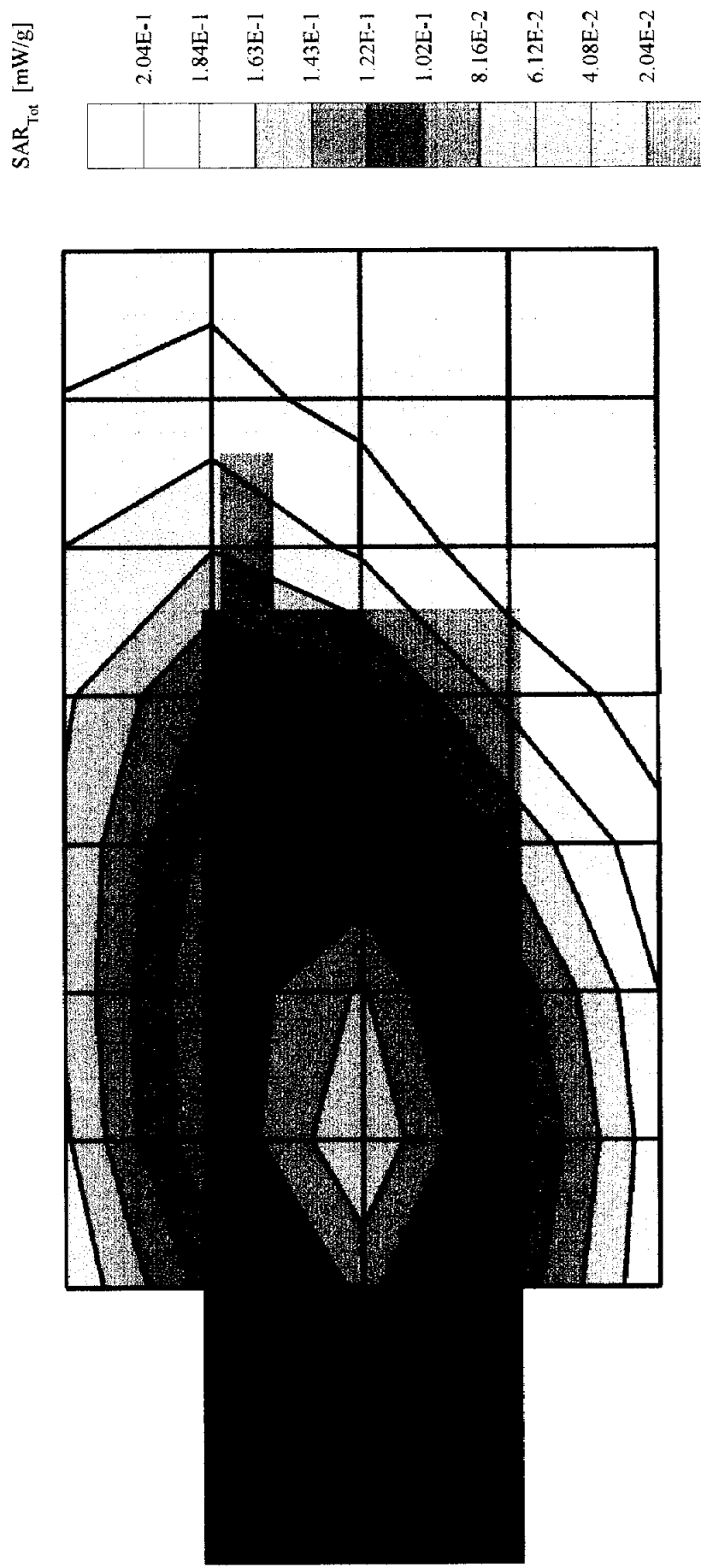
Generic Twin Phantom, Flat Section, Position: (90°, 90°), Frequency: 849 MHz
Probe: ET3DVS - SN1333; ConvF(5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.284 mW/g, SAR (10g): 0.205 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB
Face down. 16.7mm from phantom.



Plot 6

Mitsui DMC201

Generic Twin Phantom, Flat Section; Position: (90°,90°); Frequency: 836 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94$ mho/m $\epsilon_r \approx 56.5$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.198 mW/g, SAR (10g): 0.142 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB
Face up. 16.7mm from phantom.



Plot 7

Mitsui DMC201

Generic Twin Phantom, Flat Section, Position: (90°, 90°); Frequency: 849 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 56.5$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.264 mW/g, SAR (10g): 0.190 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.11 dB
Face down. 16.7mm from phantom

