



**GRAPH SECTION
FOR RFI TEST REPORT SERIAL NO:
RFI/SARB1/RP43652JD05A**

Test Of: Sendo Ltd.
SND251 Mobile Telephone Handset

To: OET Bulletin 65 Supplement C: (2001-01)

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RADIO FREQUENCY INVESTIGATION LTD.

Graph Section

EMC Department

S.No. RFI/SARB1/RP43652JD05A

Issue Date: 01 October 2002

Test Of: Sendo Ltd.

SND251 Mobile Telephone Handset

To: OET Bulletin 65 Supplement C: (2001-01)

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RADIO FREQUENCY INVESTIGATION LTD.

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SAR Distribution Scans

This appendix contains SAR Distribution Scans.

RADIO FREQUENCY INVESTIGATION LTD.

Graph Section

EMC Department

S.No. RFI/SARB1/RP43652JD05A

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SND251 Mobile Telephone Handset

To: OET Bulletin 65 Supplement C: (2001-01)

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SND 251

Cheek Left Bottom Channel (512)

SAM Phantom; Left Hand

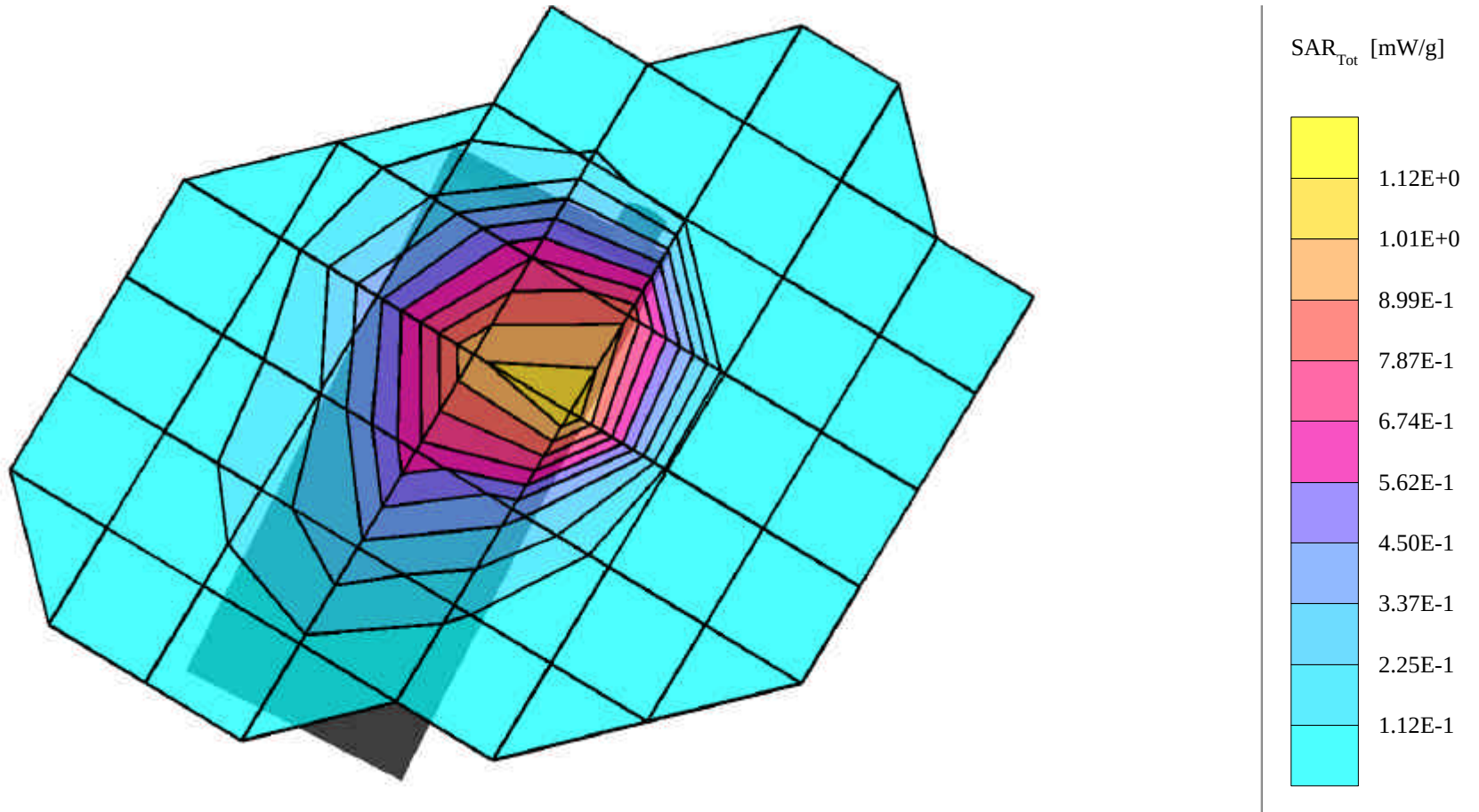
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

SAR Drift 0.5%

09/04/02



SND 251

Cheek Left Bottom Channel (512)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

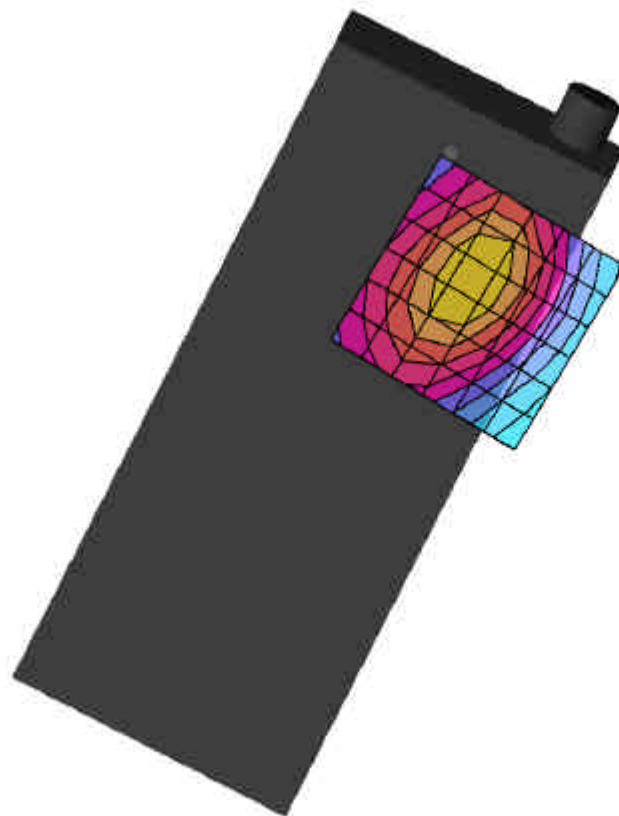
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 2.71 mW/g, SAR (1g): 1.38 mW/g

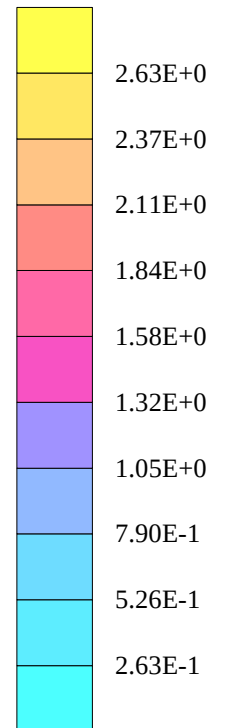
Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

SAR Drift 0.5%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Cheek Left Centre Channel (660)

SAM Phantom; Left Hand

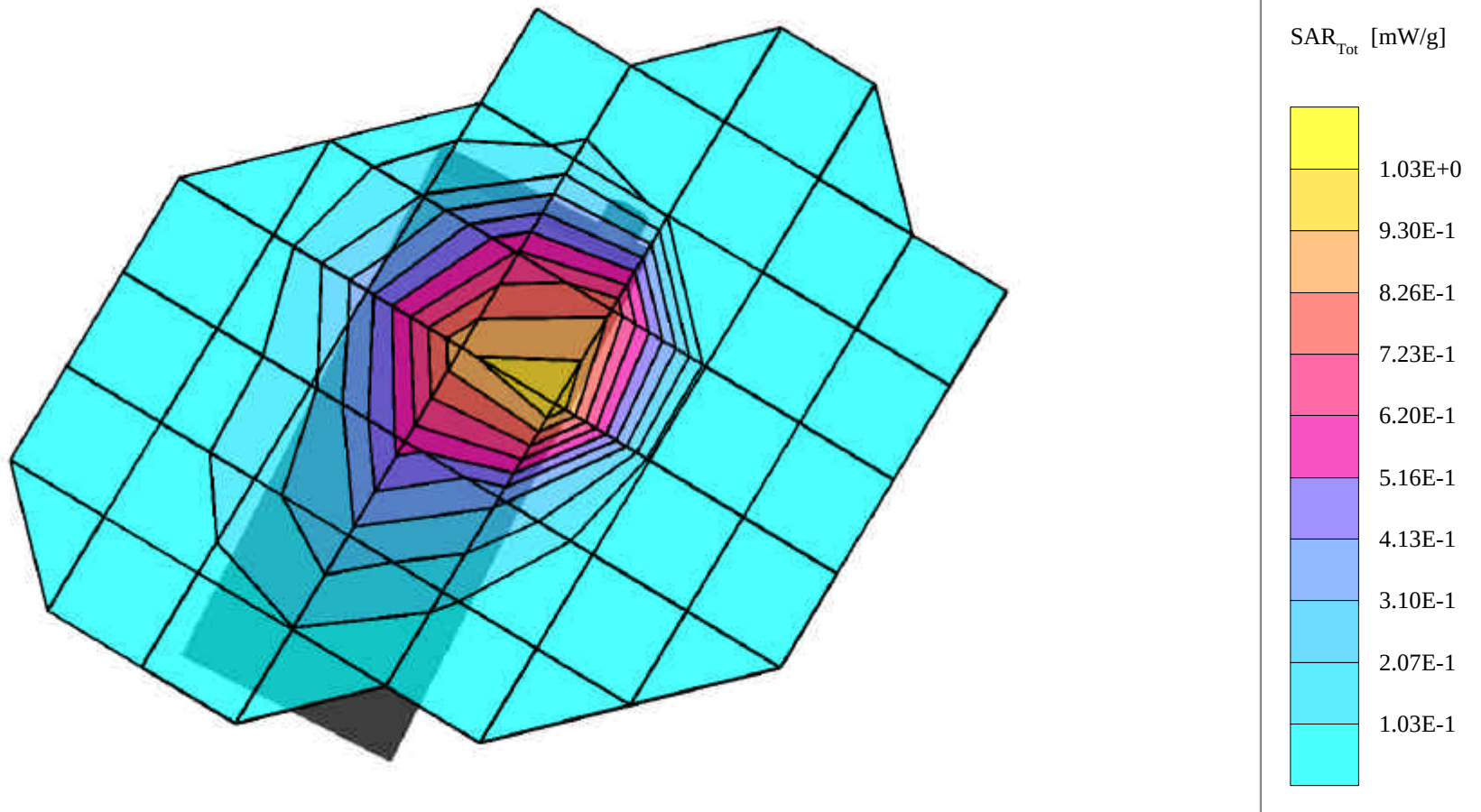
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

SAR Drift 6.0%

09/04/02



SND 251

Cheek Left Centre Channel (660)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

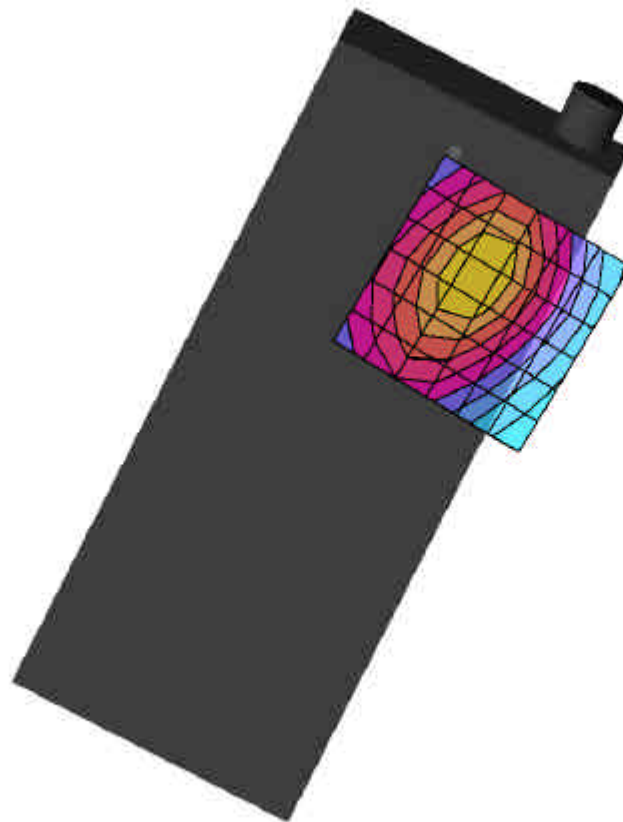
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 2.63 mW/g, SAR (1g): 1.32 mW/g

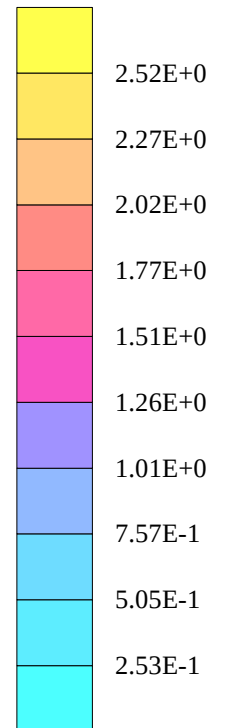
Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

SAR Drift 6.0%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Cheek Left Top Channel (810)

SAM Phantom; Left Hand

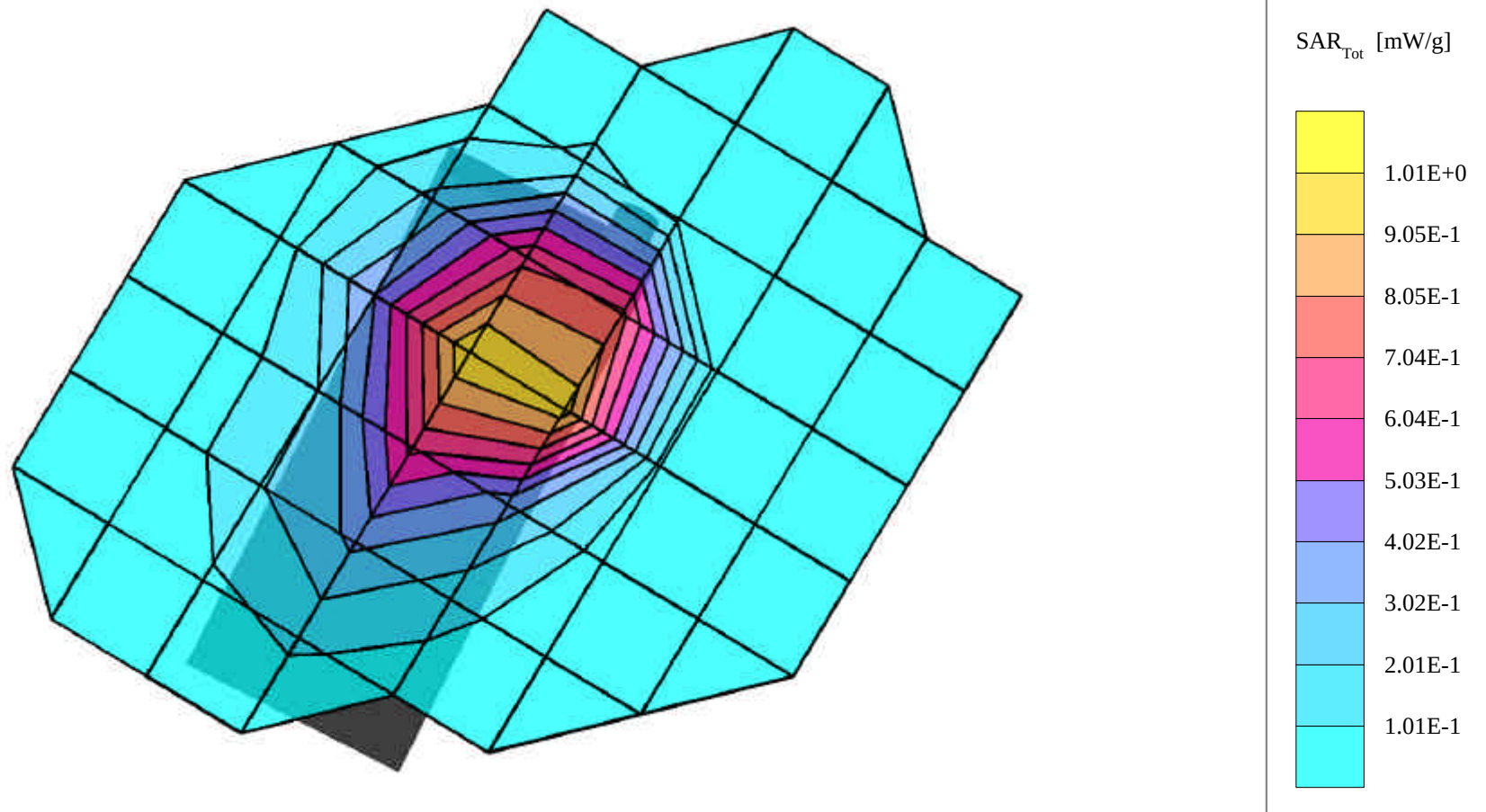
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.4 deg C

SAR Drift 5.3%

09/05/02



SND 251

Cheek Left Top Channel (810)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

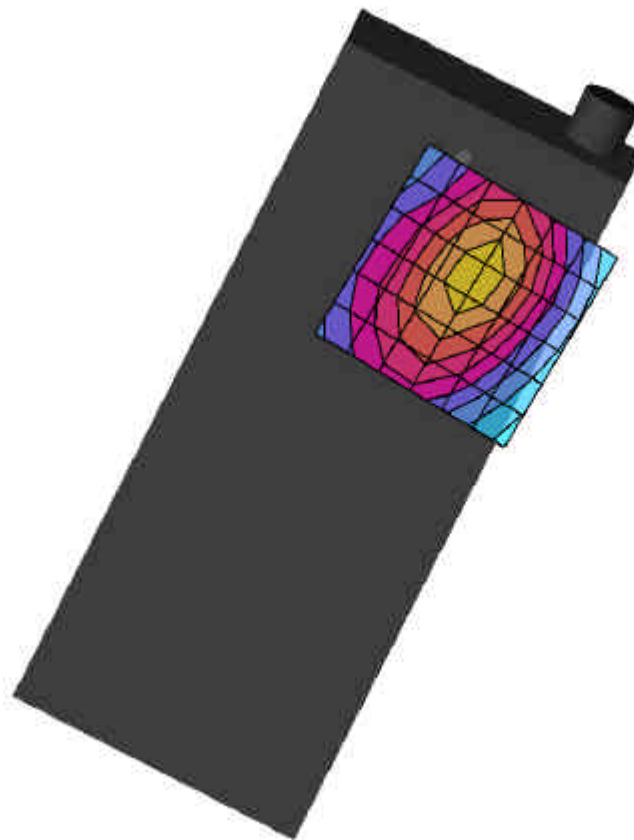
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 2.80 mW/g, SAR (1g): 1.39 mW/g

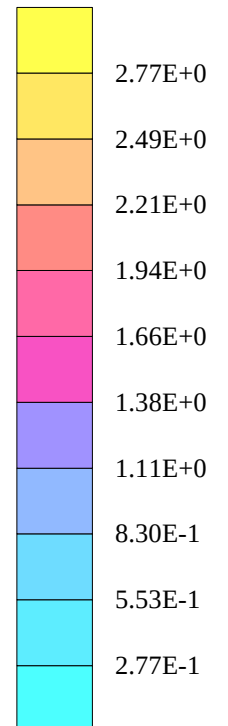
Lab Temperature 21.5 deg C, Fluid Temperature 19.5 deg C

SAR Drift 5.3%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Cheek Right Centre Channel (660)

SAM Phantom; Righ Hand

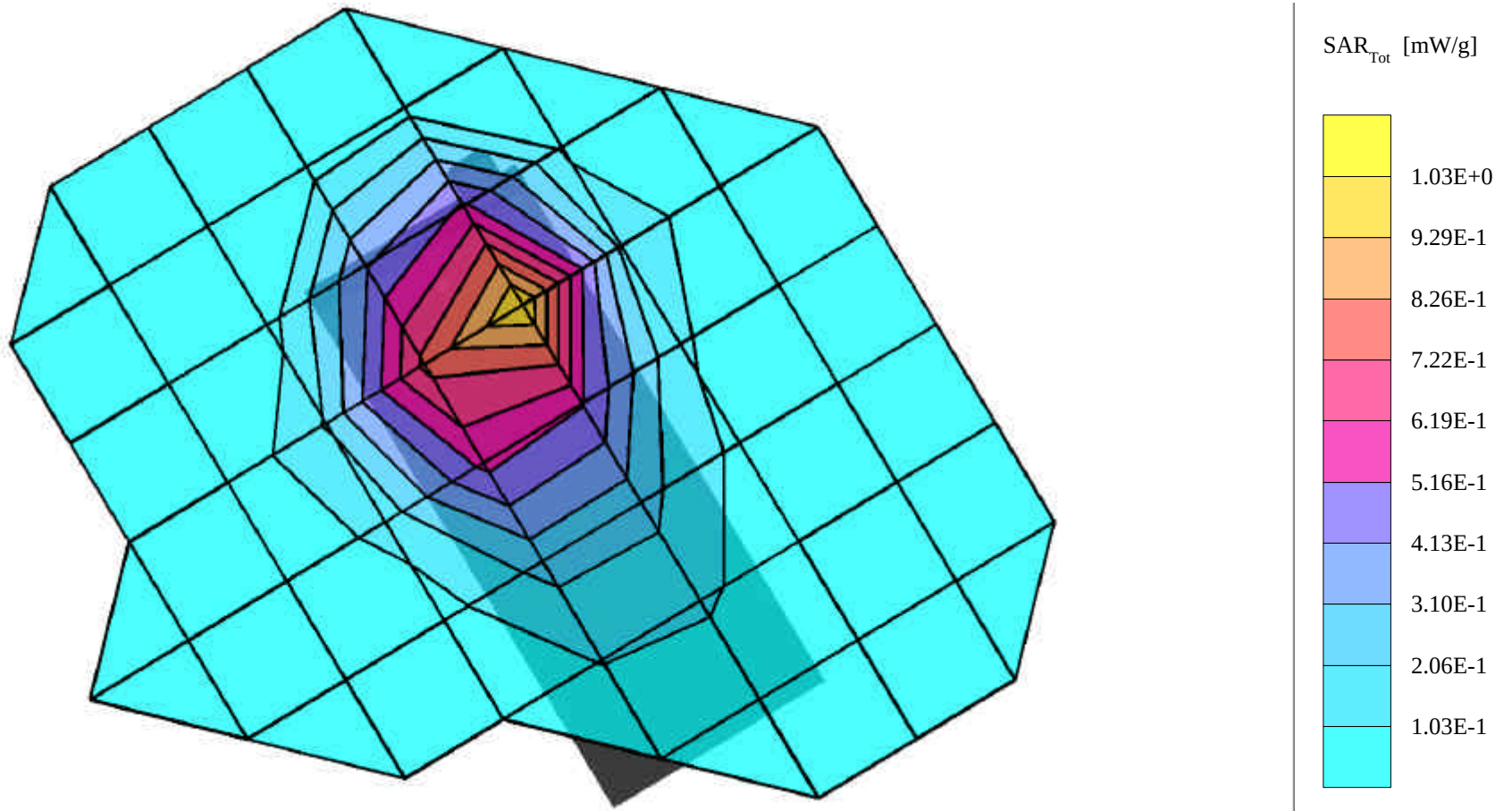
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.4 deg C

SAR Drift 1.3%

09/05/02



SND 251

Cheek Right Centre Channel (660)

SAM Phantom; Righ Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

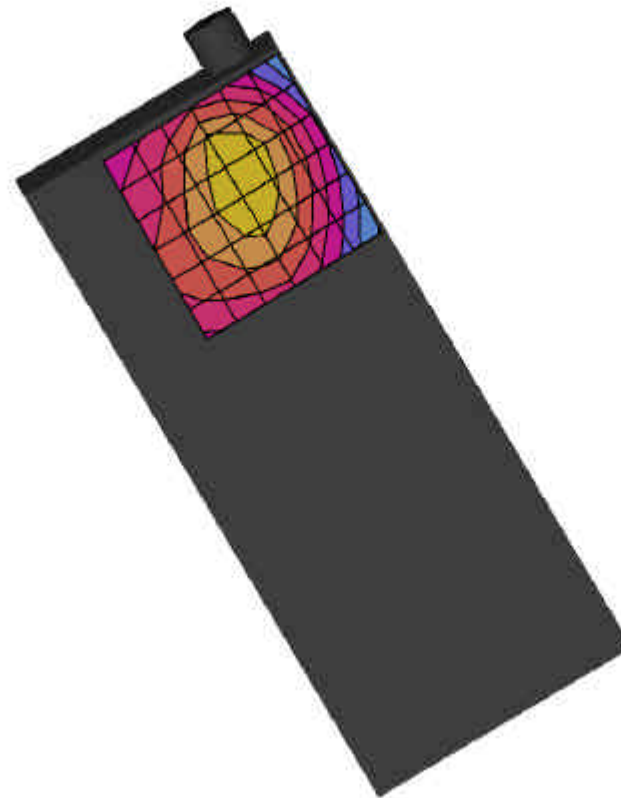
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 1.69 mW/g, SAR (1g): 0.890 mW/g

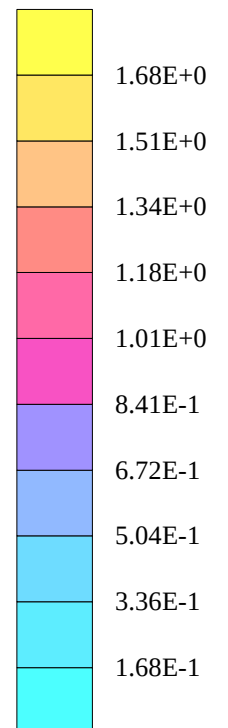
Lab Temperature 21.5 deg C, Fluid Temperature 19.5 deg C

SAR Drift 1.3%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Tilted Left Centre Channel (660)

SAM Phantom; Left Hand

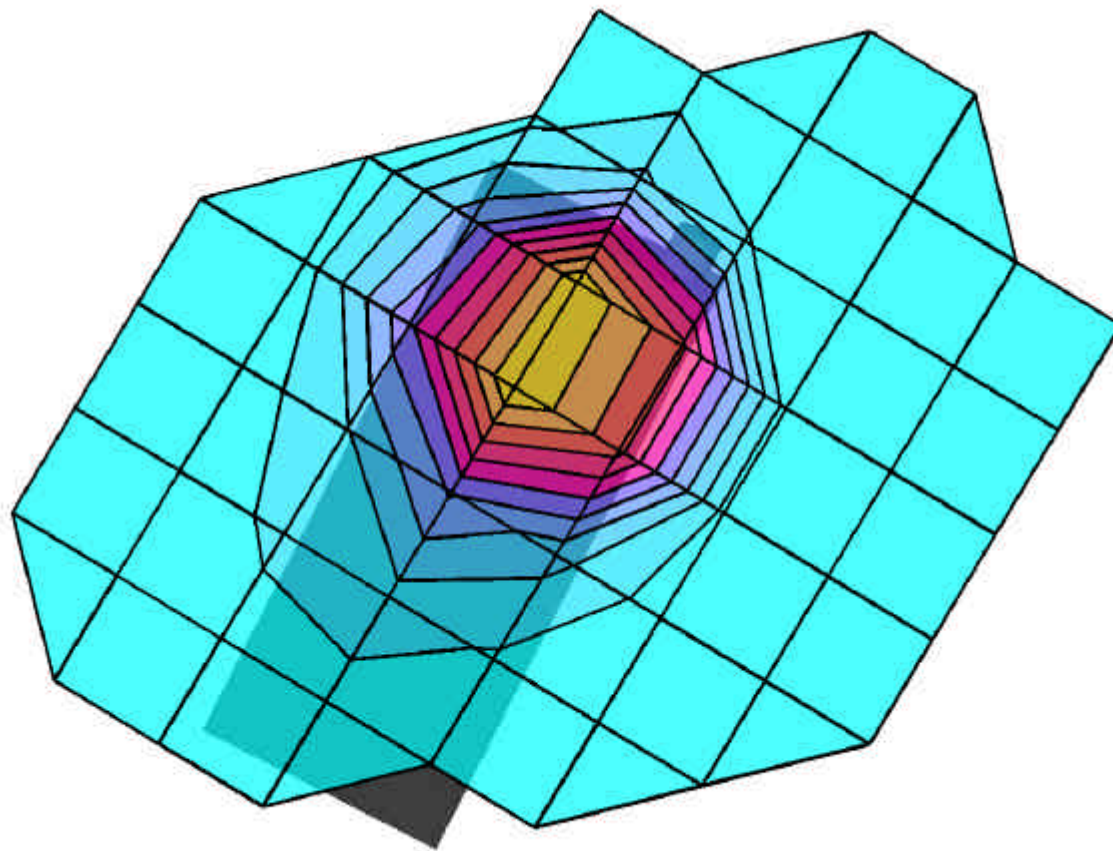
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

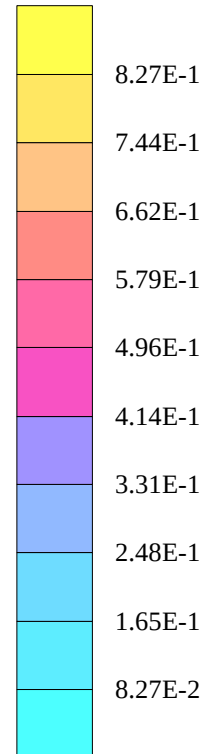
Lab Temperature 21.5 deg C, Fluid Temperature 19.4 deg C

SAR Drift 0.6%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Tilted Left Centre Channel (660)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

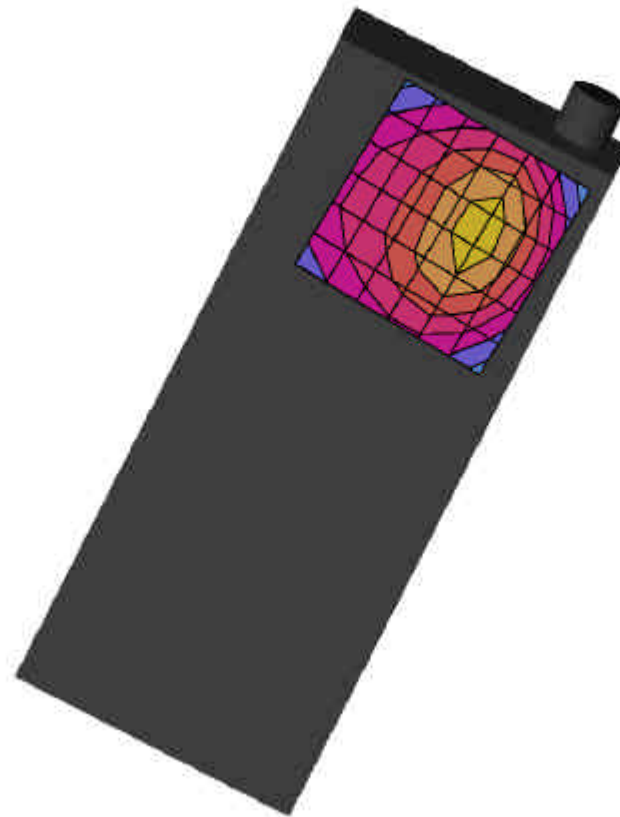
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 1.97 mW/g, SAR (1g): 0.998 mW/g

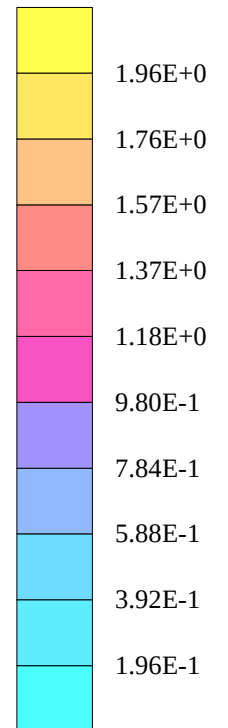
Lab Temperature 21.5 deg C, Fluid Temperature 19.5 deg C

SAR Drift 0.6%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Tilted Right Centre Channel (660)

SAM Phantom; Righ Hand

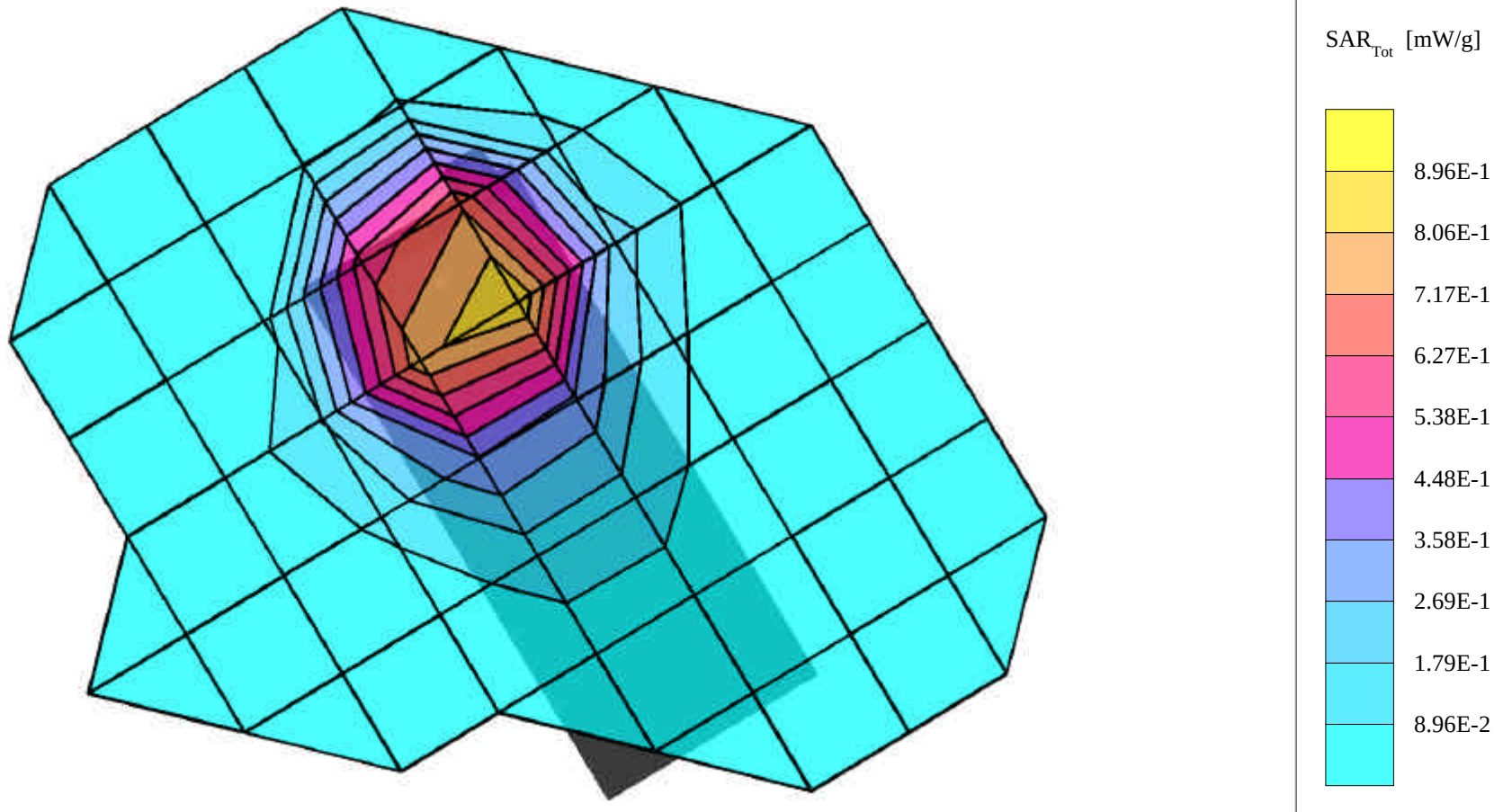
Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.4 deg C

SAR Drift 0.4%

09/05/02



SND 251

Tilted Right Centre Channel (660)

SAM Phantom; Righ Hand

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

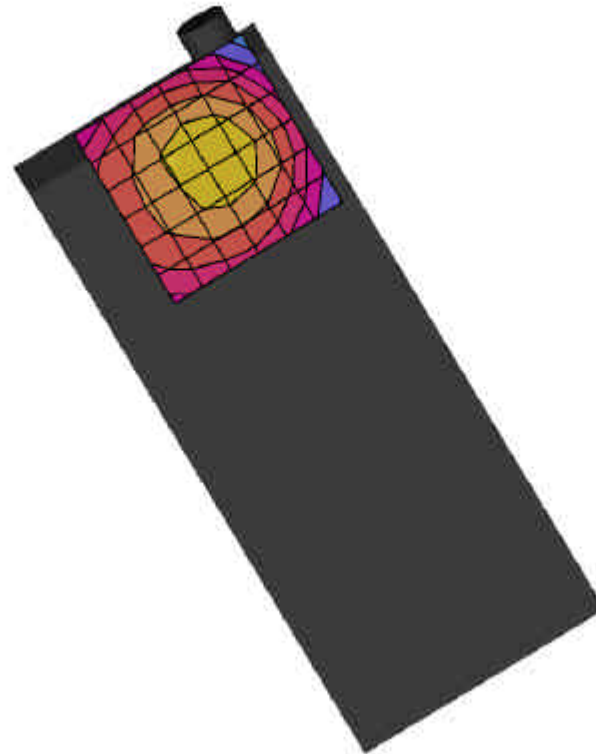
Crest factor: 8.0; Brain 1900MHz: $\sigma = 1.52$ mho/m $\epsilon_r = 39.7$ $\rho = 1.00$ g/cm³

Peak: 1.65 mW/g, SAR (1g): 0.877 mW/g

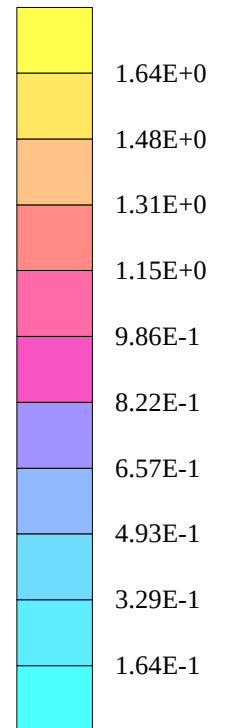
Lab Temperature 21.5 deg C, Fluid Temperature 19.5 deg C

SAR Drift 0.4%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 1 With Personal Hands Free Centre Channel (660)

SAM Phantom; Flat

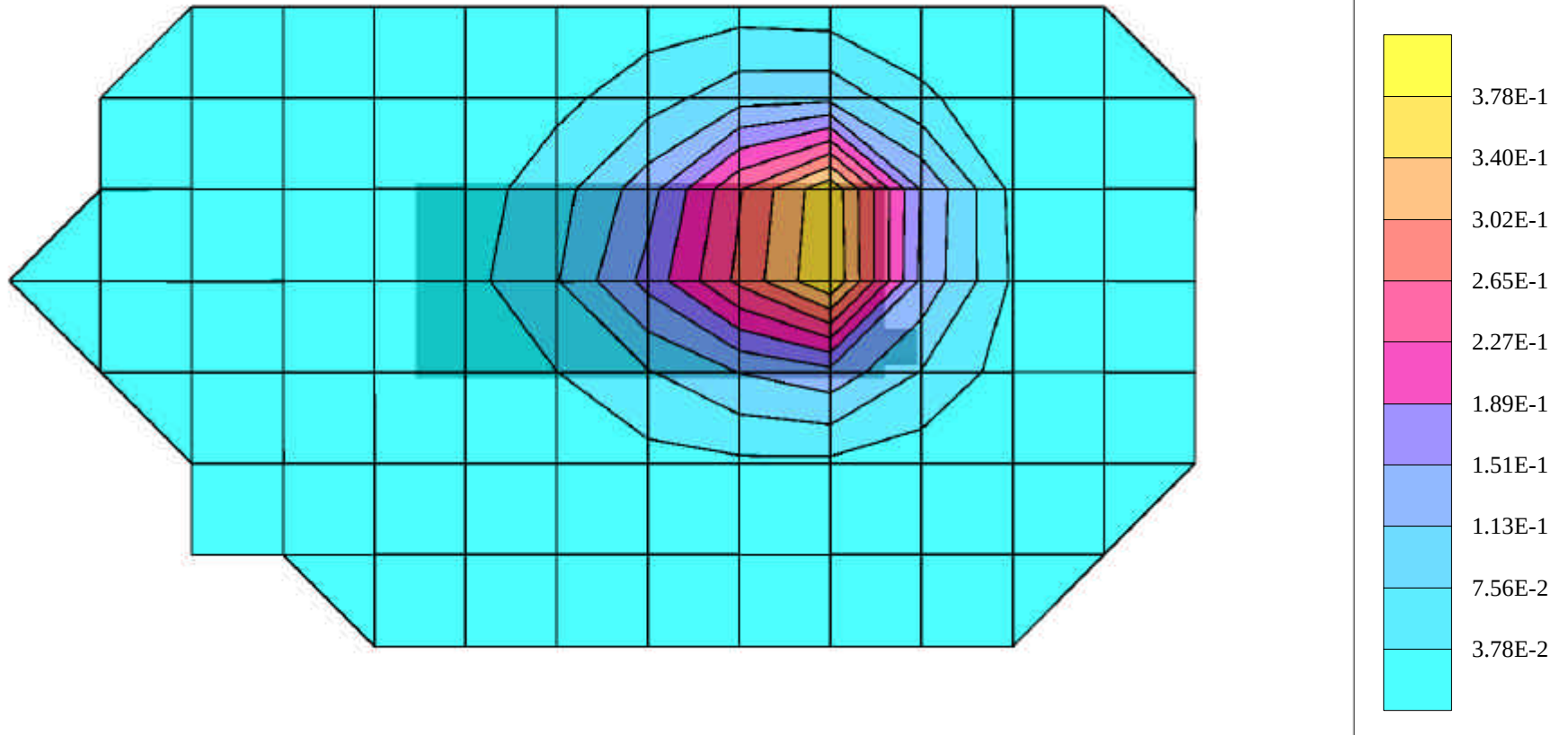
Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 4.9%

09/06/02



SND 251

Body Position in Case 1 with Personal Hands Free Centre Channel (660)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.685 mW/g, SAR (1g): 0.371 mW/g

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 4.9%

09/06/02



SND 251

Body Position in Case 1 Centre Channel (660)

SAM Phantom; Flat

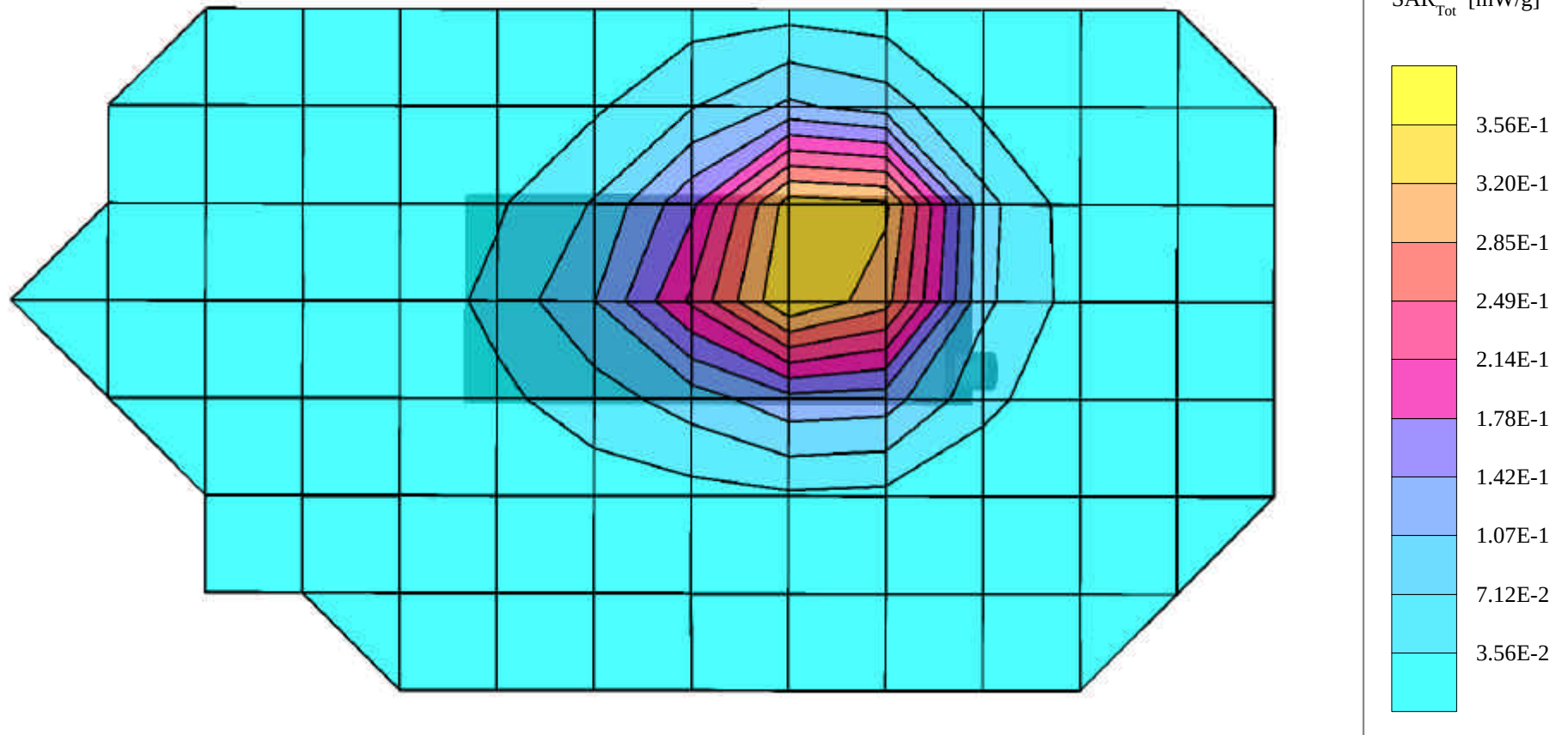
Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 2.9%

09/05/02



SND 251

Body Position in Case 1 Centre Channel (660)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

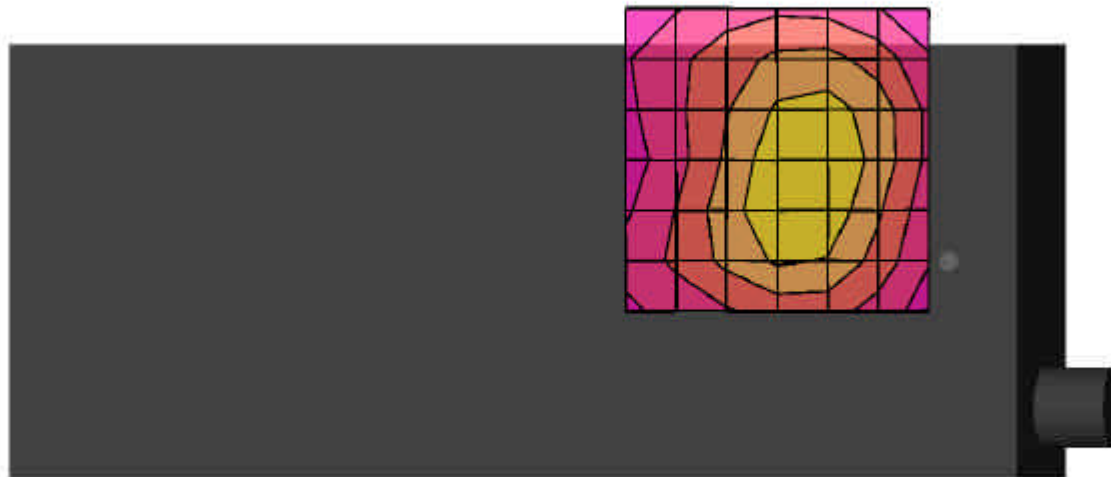
Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.708 mW/g, SAR (1g): 0.388 mW/g

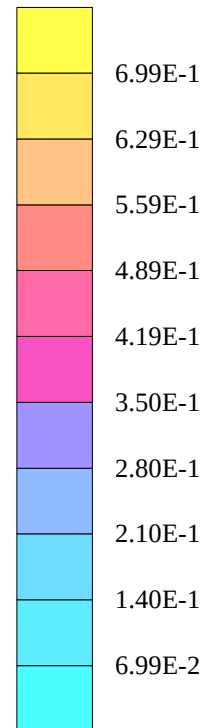
Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 2.9%

09/05/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 2 With Personal Hands Free Centre Channel (660)

SAM Phantom; Flat

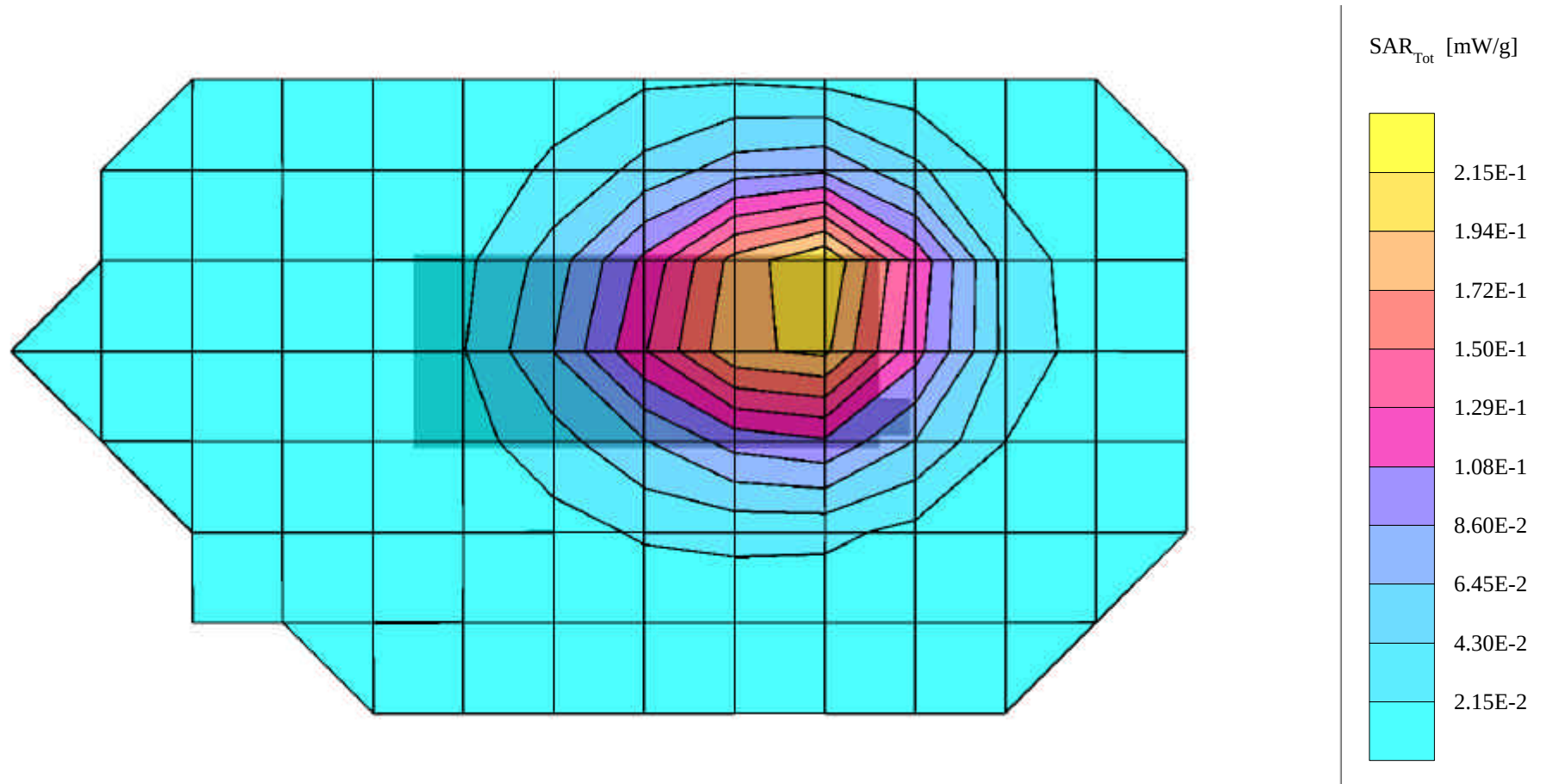
Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 2.0%

09/06/02



SND 251

Body Position in Case 2 with Personal Hands free Centre Channel (660)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.362 mW/g, SAR (1g): 0.206 mW/g

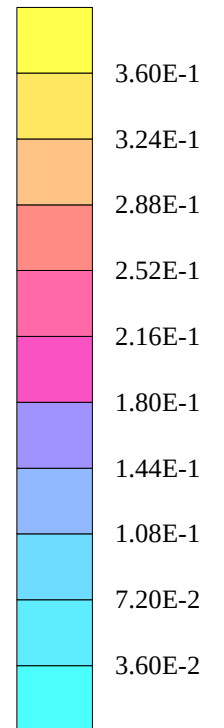
Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 2.0%

09/06/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 2 Centre Channel (660)

SAM Phantom; Flat

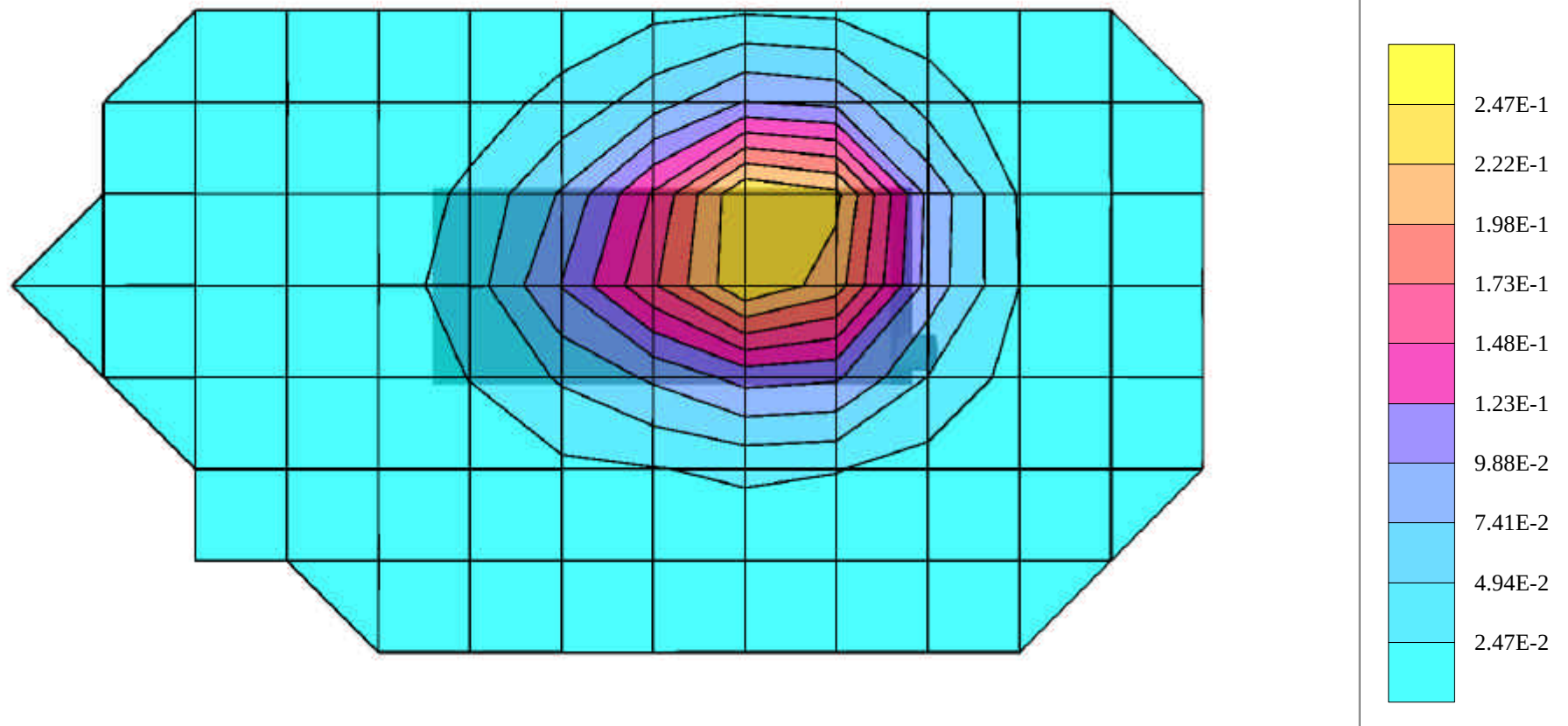
Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 1.8%

09/05/02



SND 251

Body Position in Case 2 Centre Channel (660)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(4.70,4.70,4.70);

Crest factor: 8.0; Body 1900MHz FCC: $\sigma = 1.60$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.440 mW/g, SAR (1g): 0.253 mW/g

Lab Temperature 21.5 deg C, Fluid Temperature 19.7 deg C

SAR Drift 1.8%

09/05/02



SND 251

Cheek Left Bottom Channel (128)

SAM Phantom; Left Hand

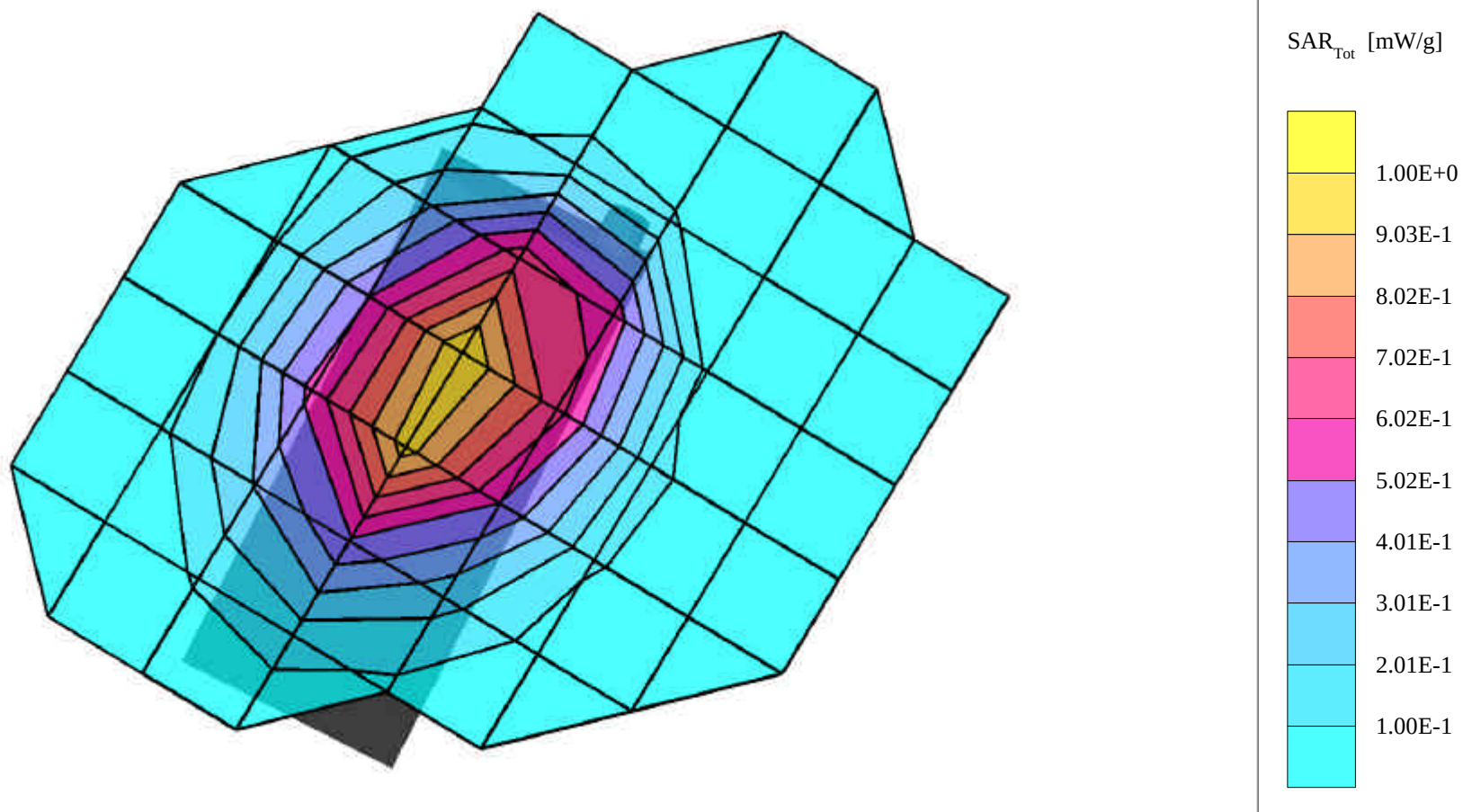
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.8%

09/04/02



SND 251

Cheek Left Bottom Channel (128)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

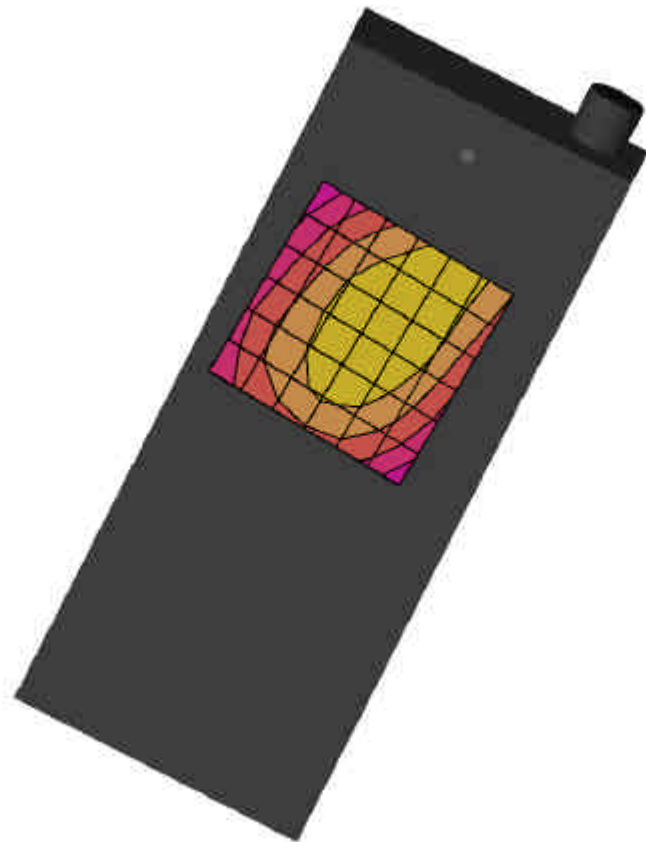
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 1.49 mW/g, SAR (1g): 0.962 mW/g

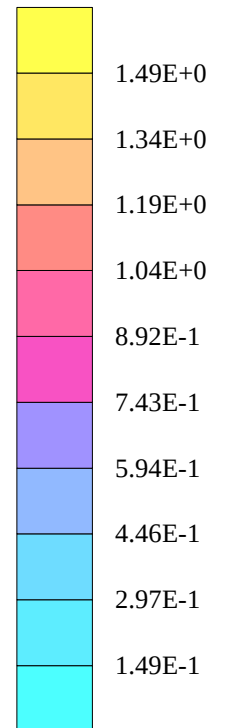
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.8%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Cheek Left Centre Channel (189)

SAM Phantom; Left Hand

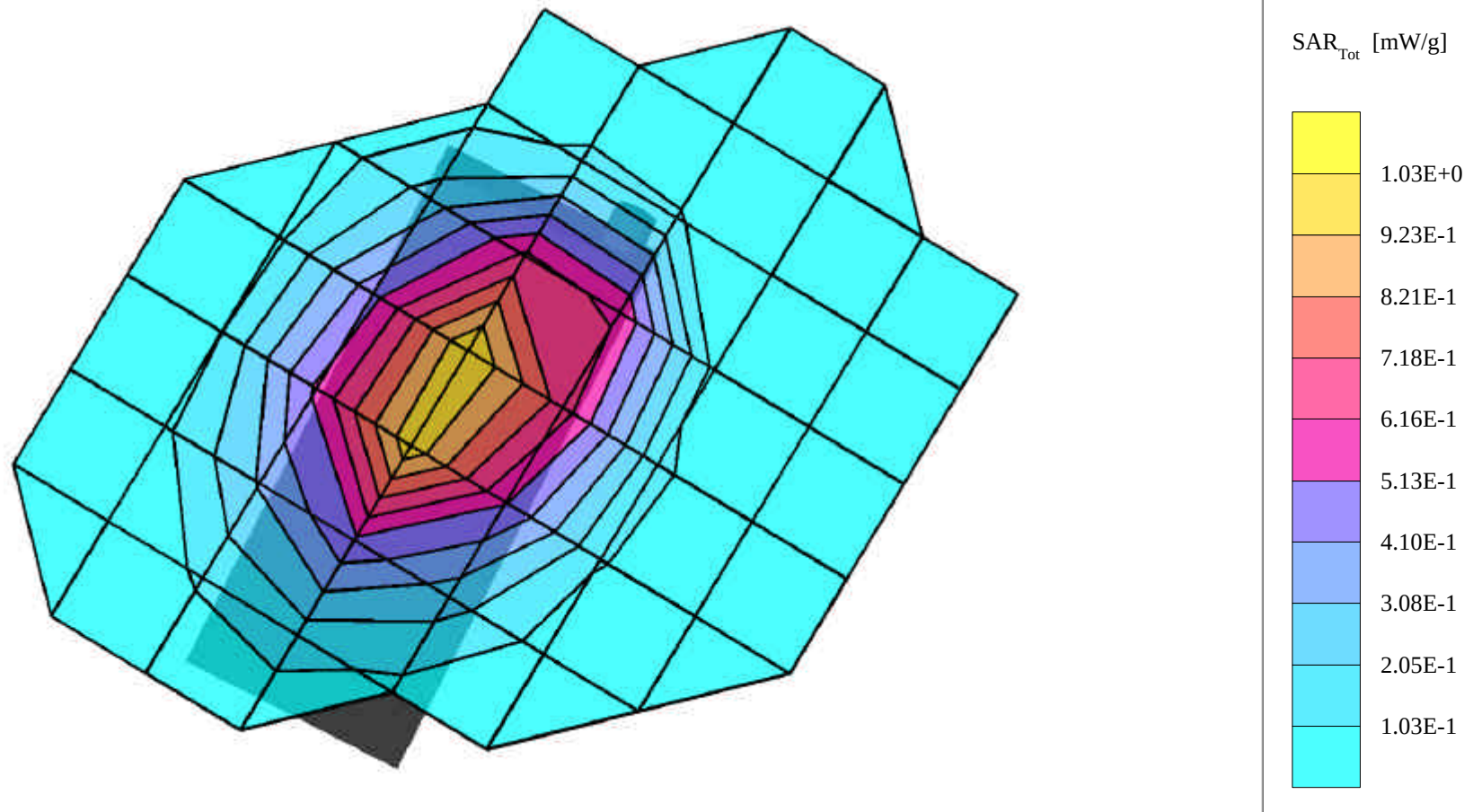
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.8%

09/04/02



SND 251

Cheek Left Centre Channel (189)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

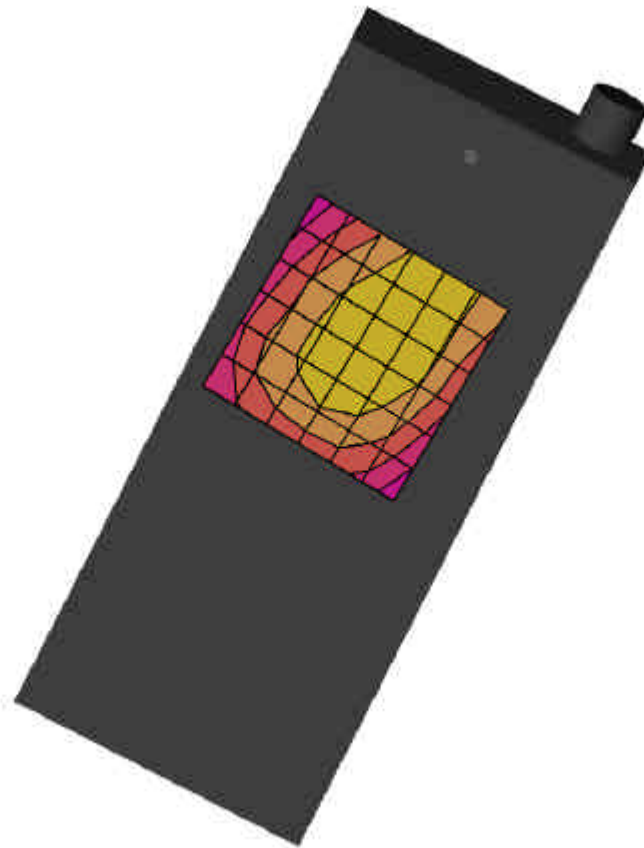
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 1.52 mW/g, SAR (1g): 0.979 mW/g

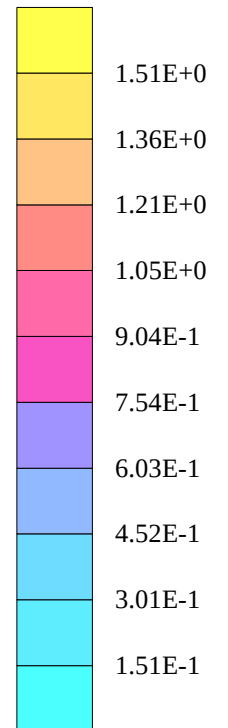
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.8%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Cheek Left Top Channel (251)

SAM Phantom; Left Hand

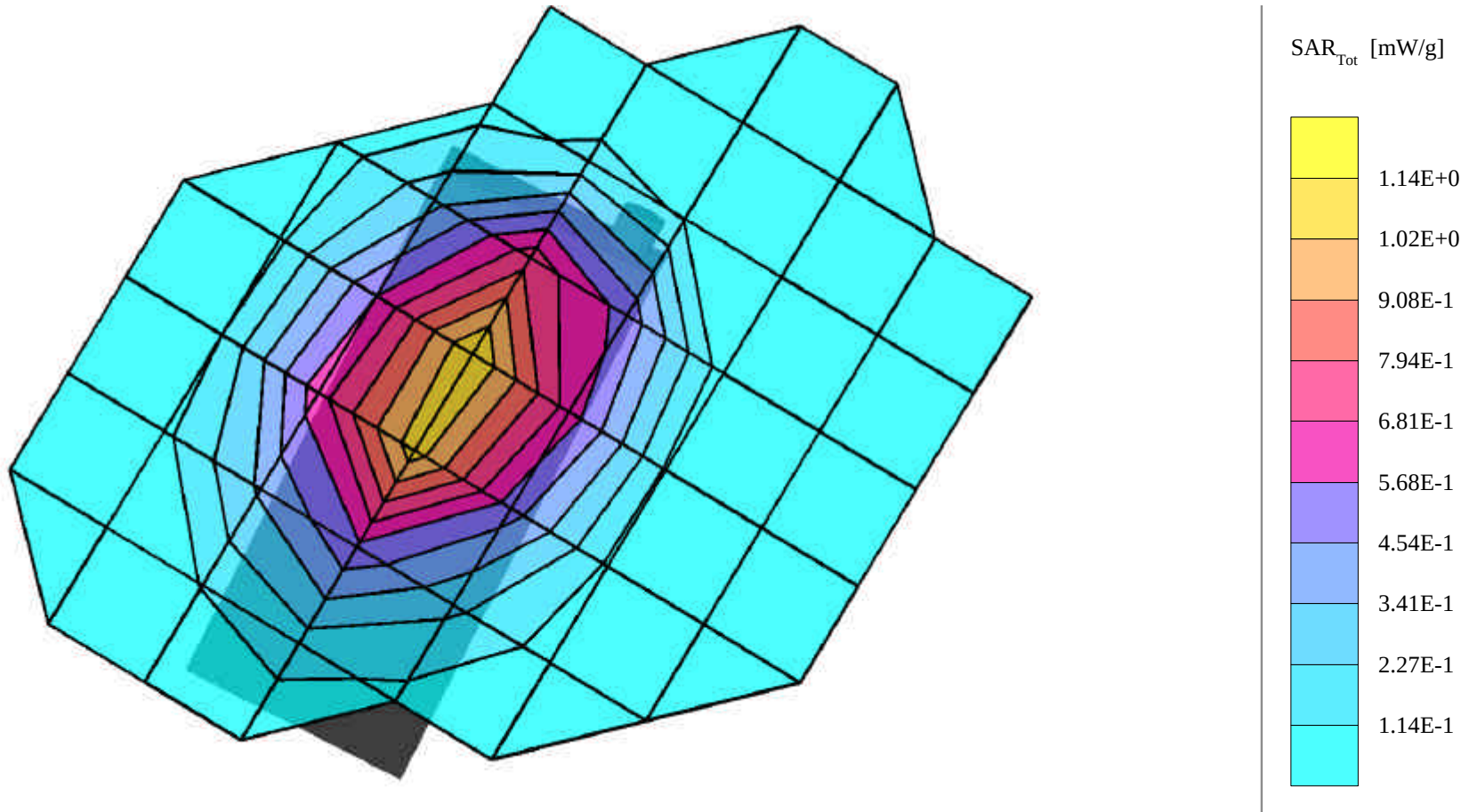
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.7%

09/04/02



SND 251

Cheek Left Top Channel (251)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

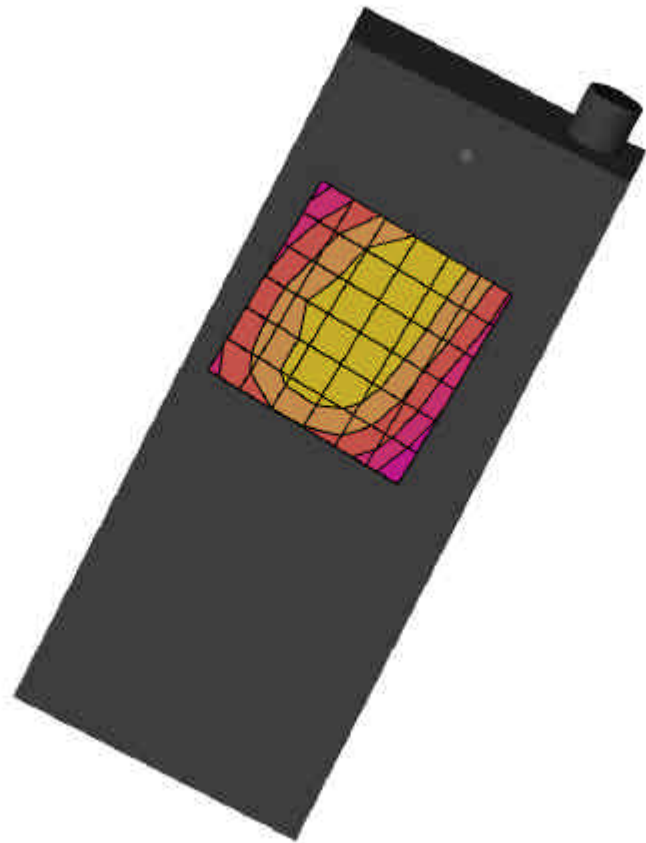
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 1.67 mW/g, SAR (1g): 1.07 mW/g

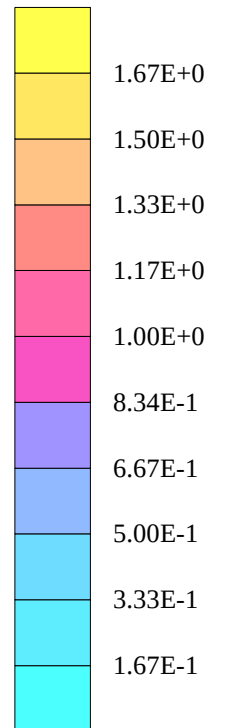
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 1.7%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Cheek Right Centre Channel (189)

SAM Phantom; Righ Hand

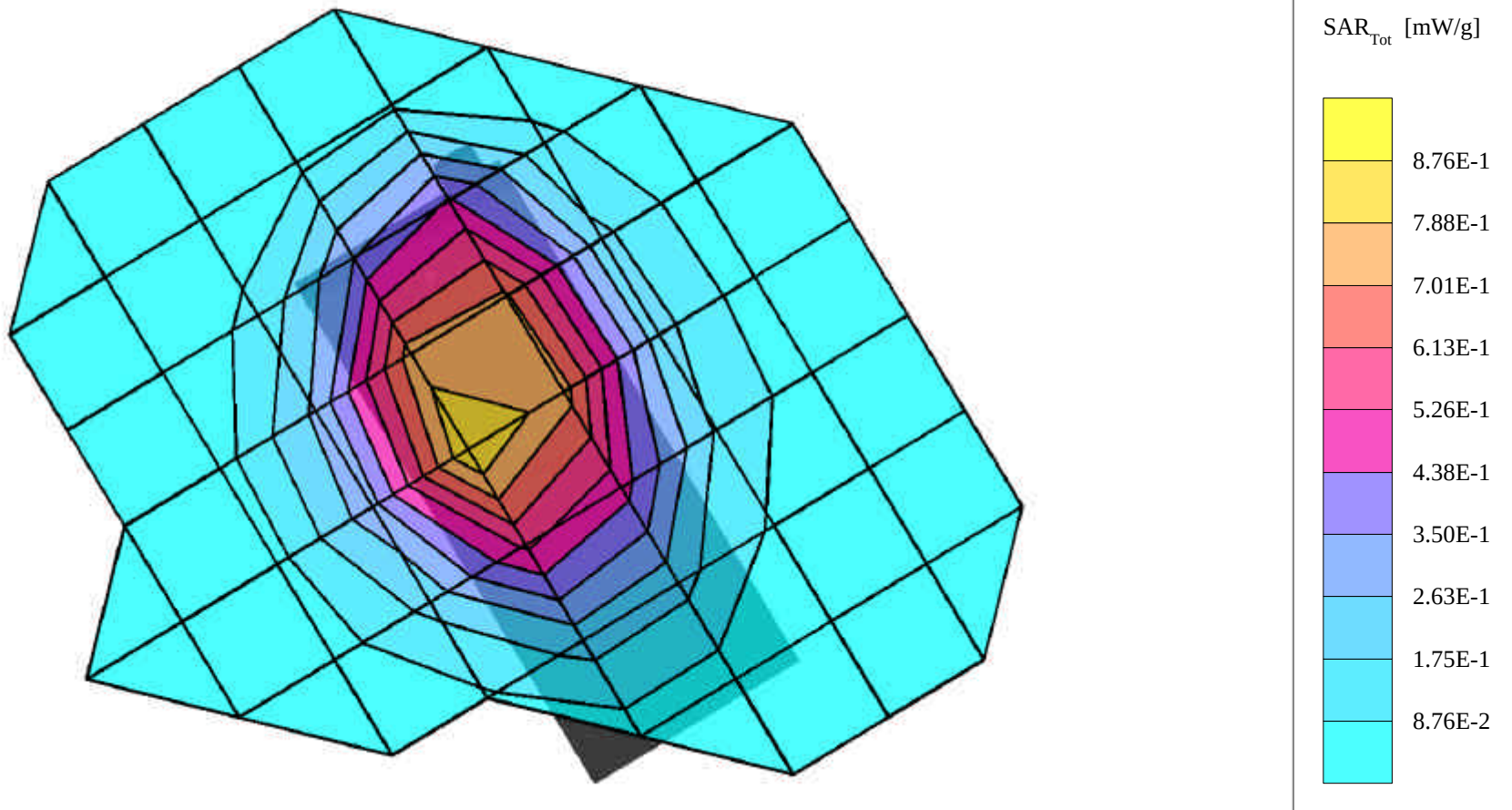
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 3.7%

09/04/02



SND 251

Cheek Right Centre Channel (189)

SAM Phantom; Righ Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

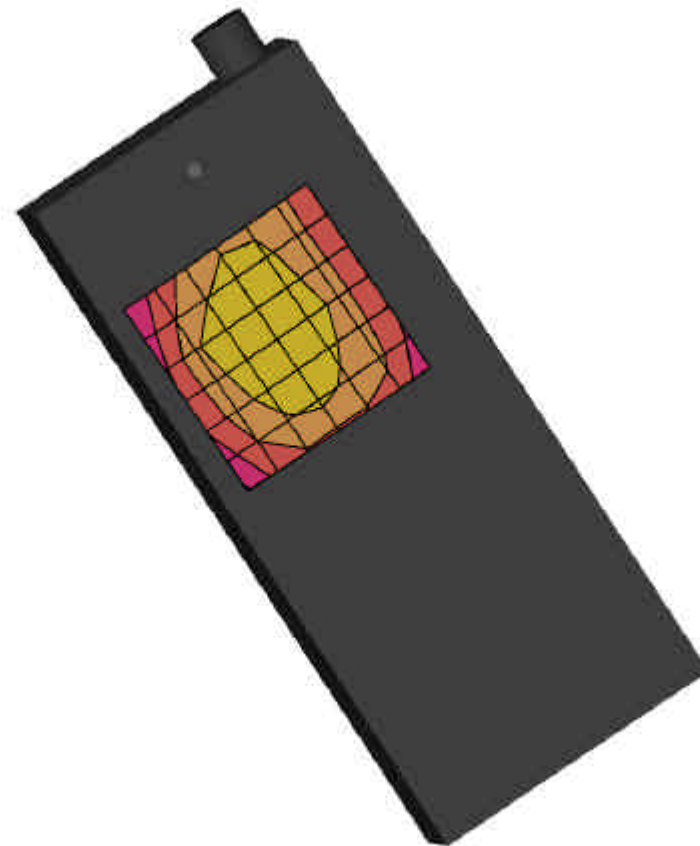
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 1.29 mW/g, SAR (1g): 0.839 mW/g

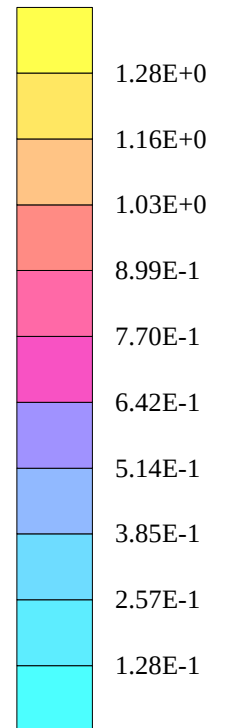
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 3.7%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Tilted Left Centre Channel (189)

SAM Phantom; Left Hand

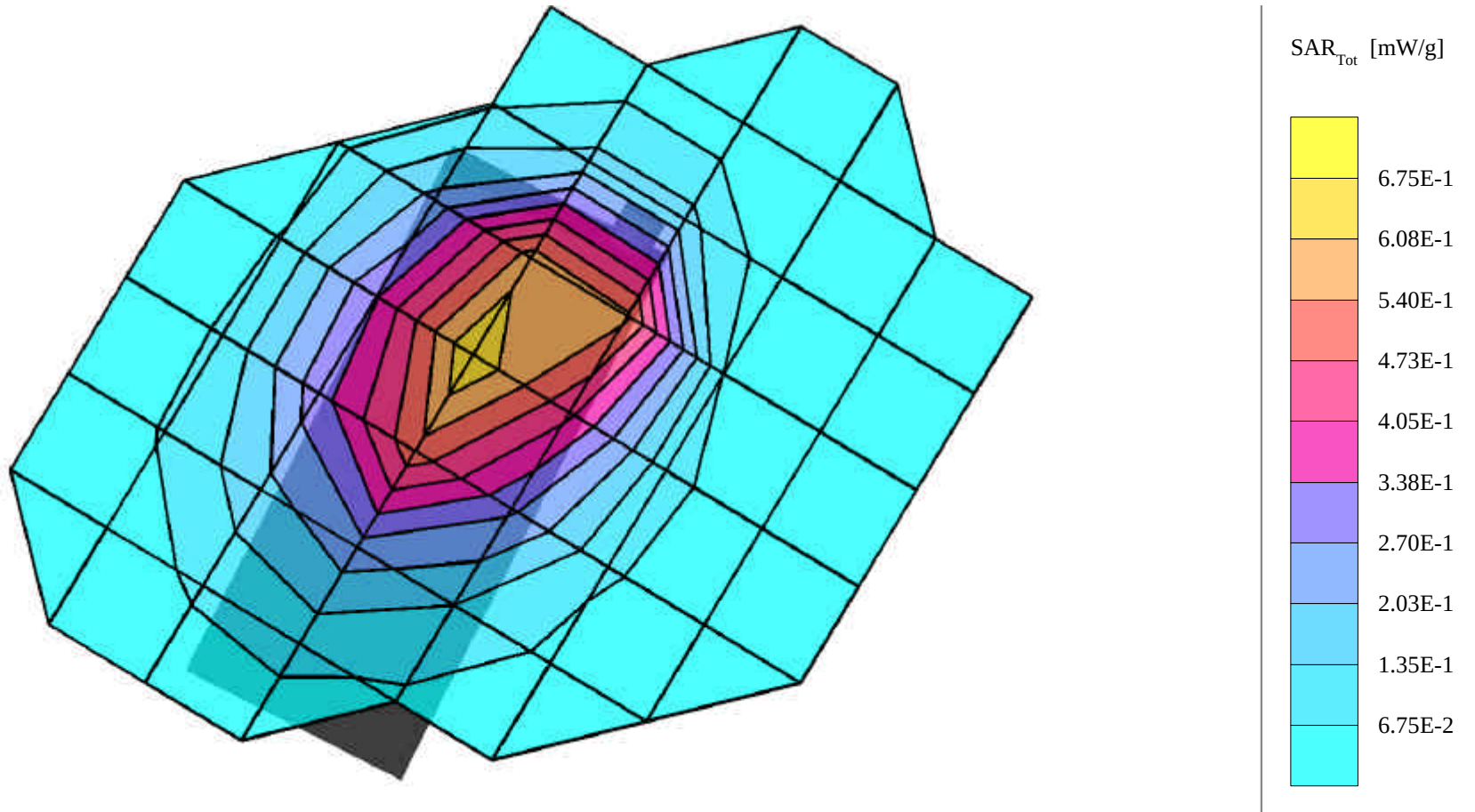
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 2.1%

09/04/02



SND 251

Tilted Left Centre Channel (189)

SAM Phantom; Left Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

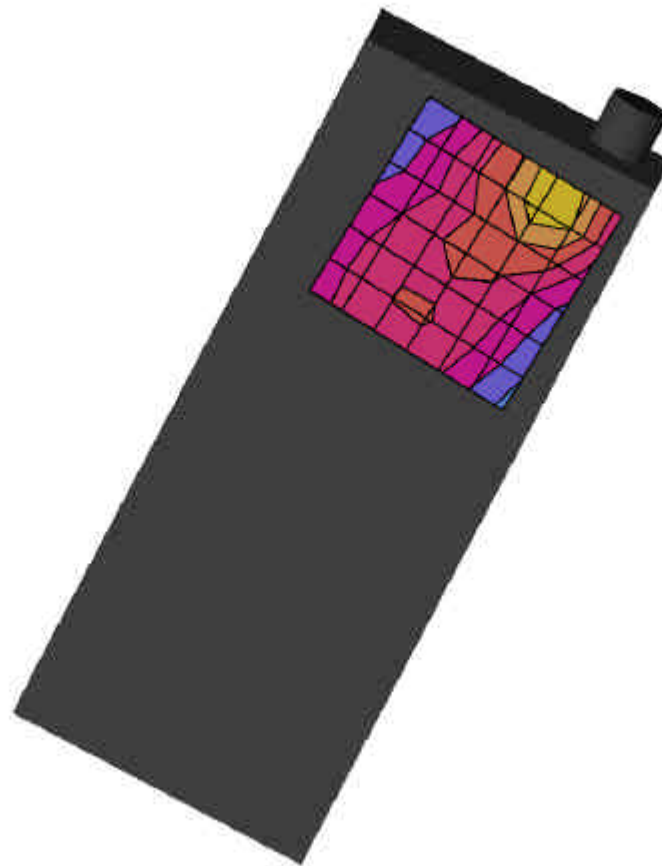
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 1.40 mW/g, SAR (1g): 0.667 mW/g

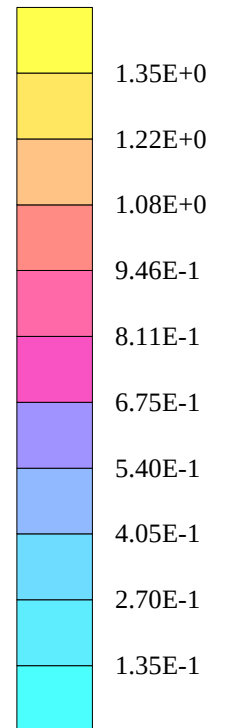
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 2.1%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Tilted Right Centre Channel (189)

SAM Phantom; Righ Hand

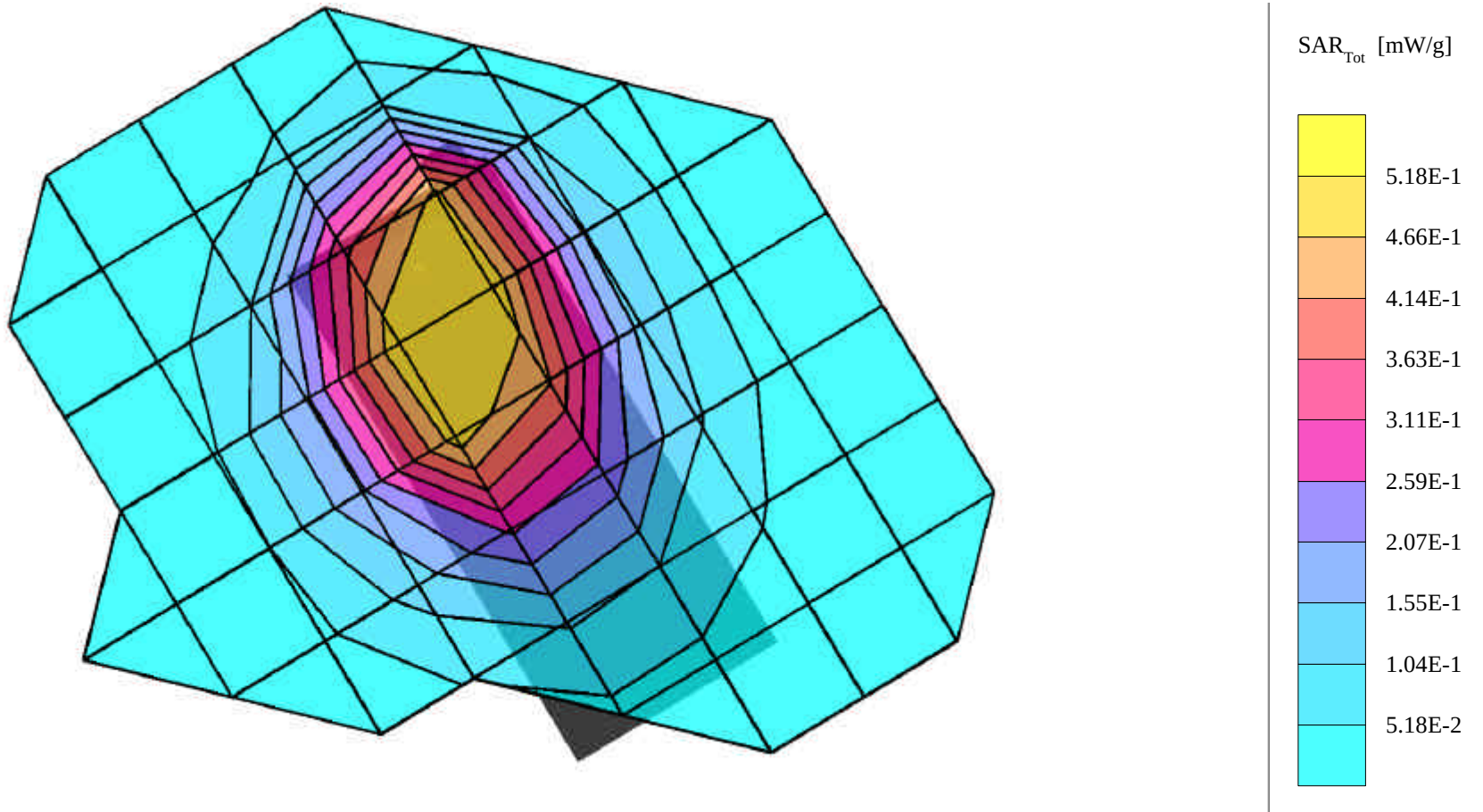
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 3.0%

09/04/02



SND 251

Tilted Right Centre Channel (189)

SAM Phantom; Righ Hand

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

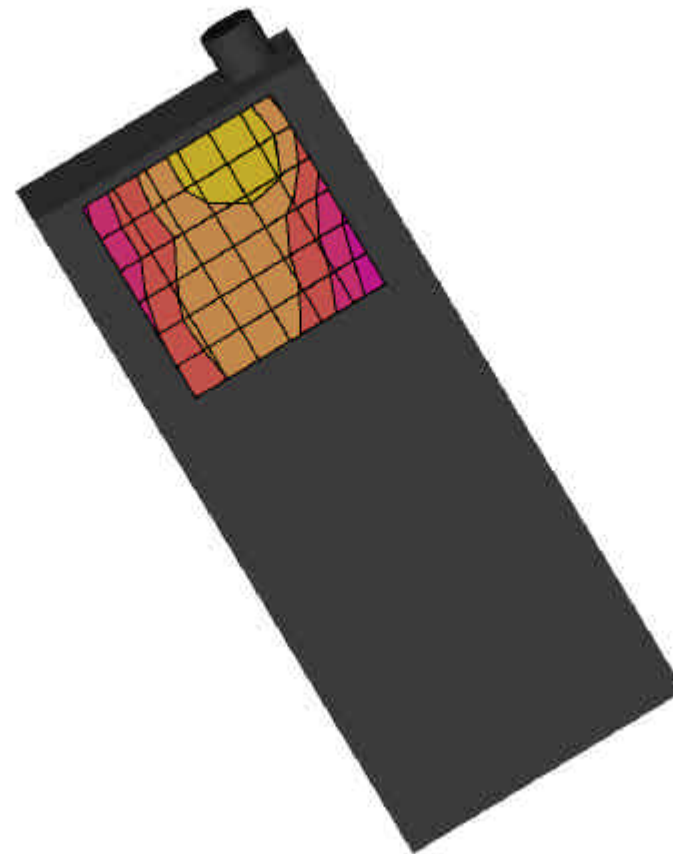
Crest factor: 8.0; Brain 835 MHz FCC: $\sigma = 0.95$ mho/m $\epsilon_r = 41.3$ $\rho = 1.00$ g/cm³

Peak: 0.856 mW/g, SAR (1g): 0.528 mW/g

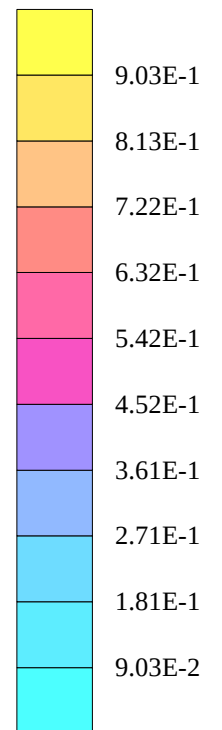
Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

SAR Drift 3.0%

09/04/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 1 Centre Channel (189)

SAM Phantom; Flat

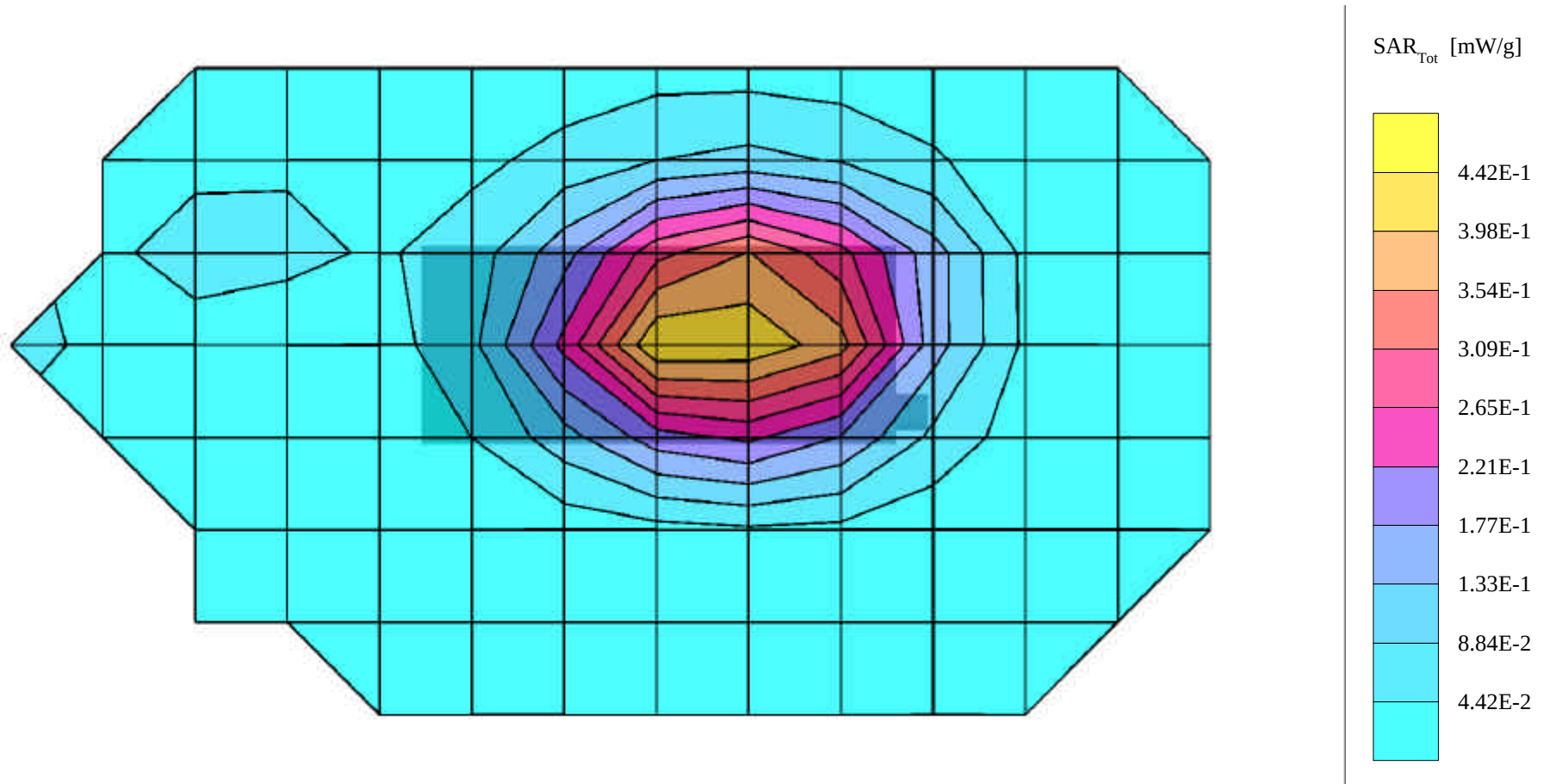
Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 4.0%

09/06/02



SND 251

Body Position in Case 1 Centre Channel (189)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

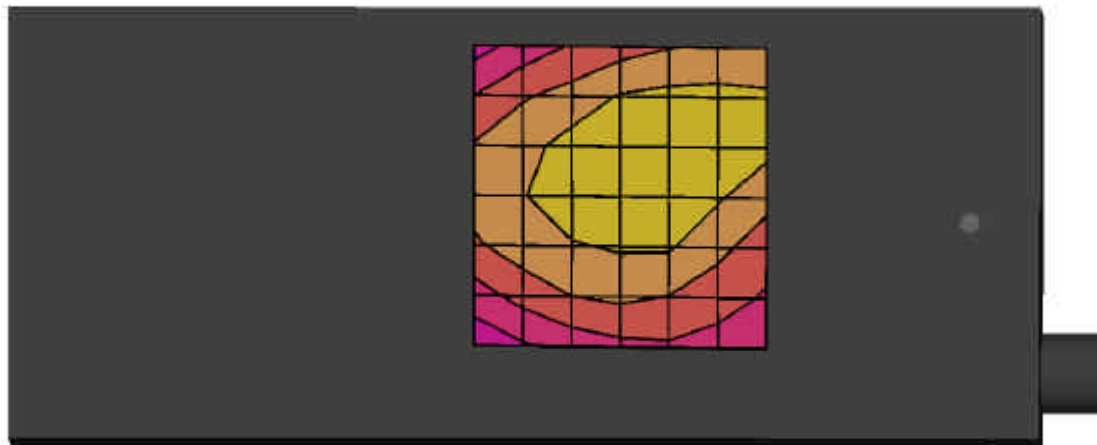
Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.640 mW/g, SAR (1g): 0.435 mW/g

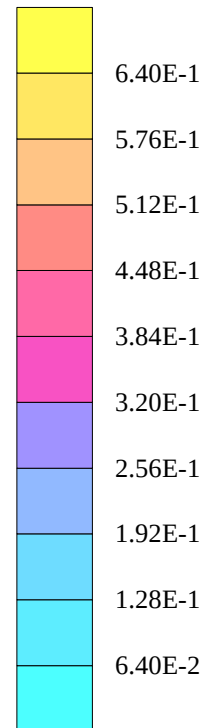
Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 4.0%

09/06/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 1 With Personal Hands Free Centre Channel (189)

SAM Phantom; Flat

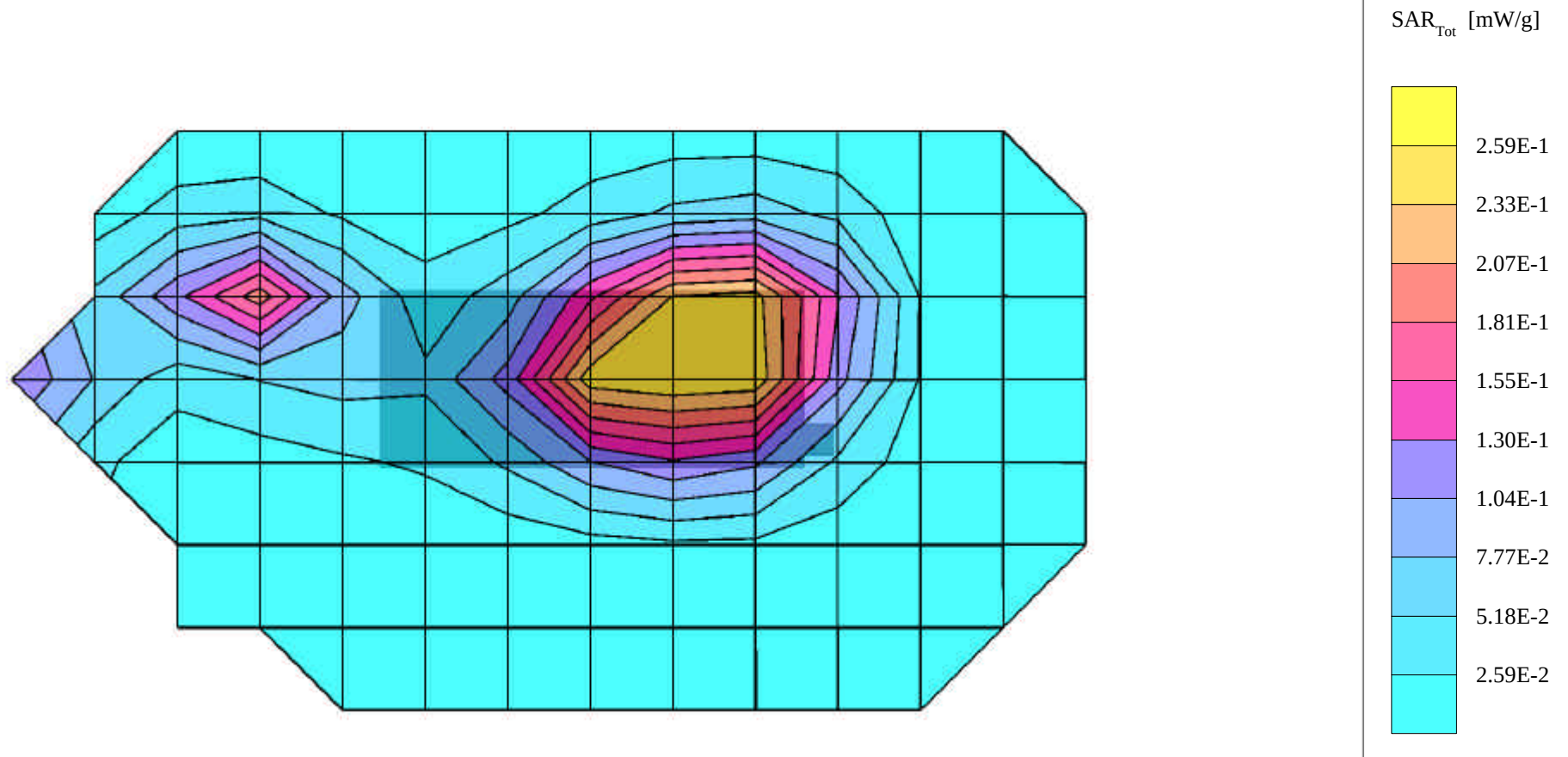
Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 0.4%

09/06/02



SND 251

Body Position in Case 1 with Personal Handsfree Centre Channel (189)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

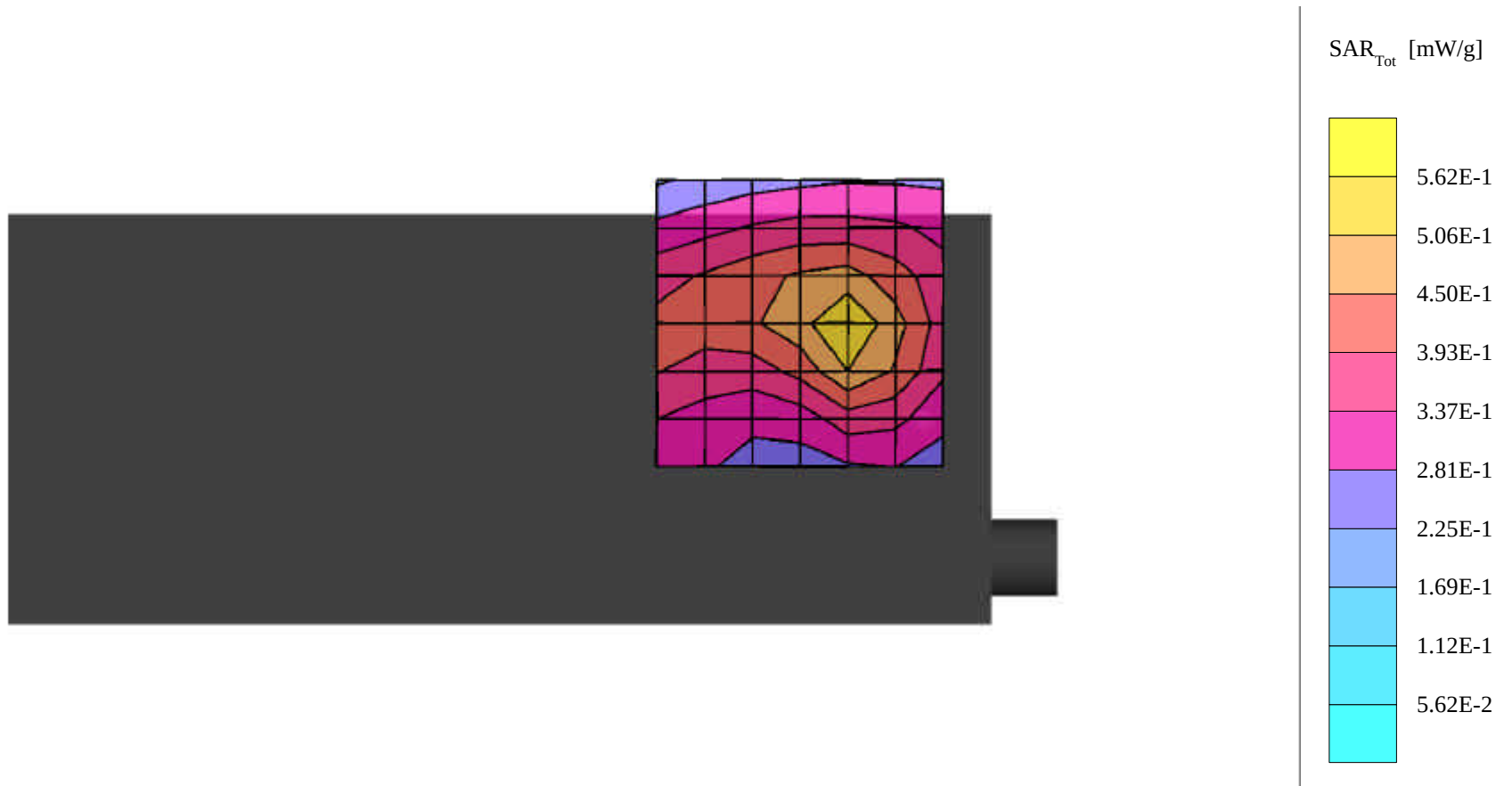
Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.563 mW/g, SAR (1g): 0.299 mW/g

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 0.4%

09/06/02



SND 251

Body Position in Case 2 Centre Channel (189)

SAM Phantom; Flat

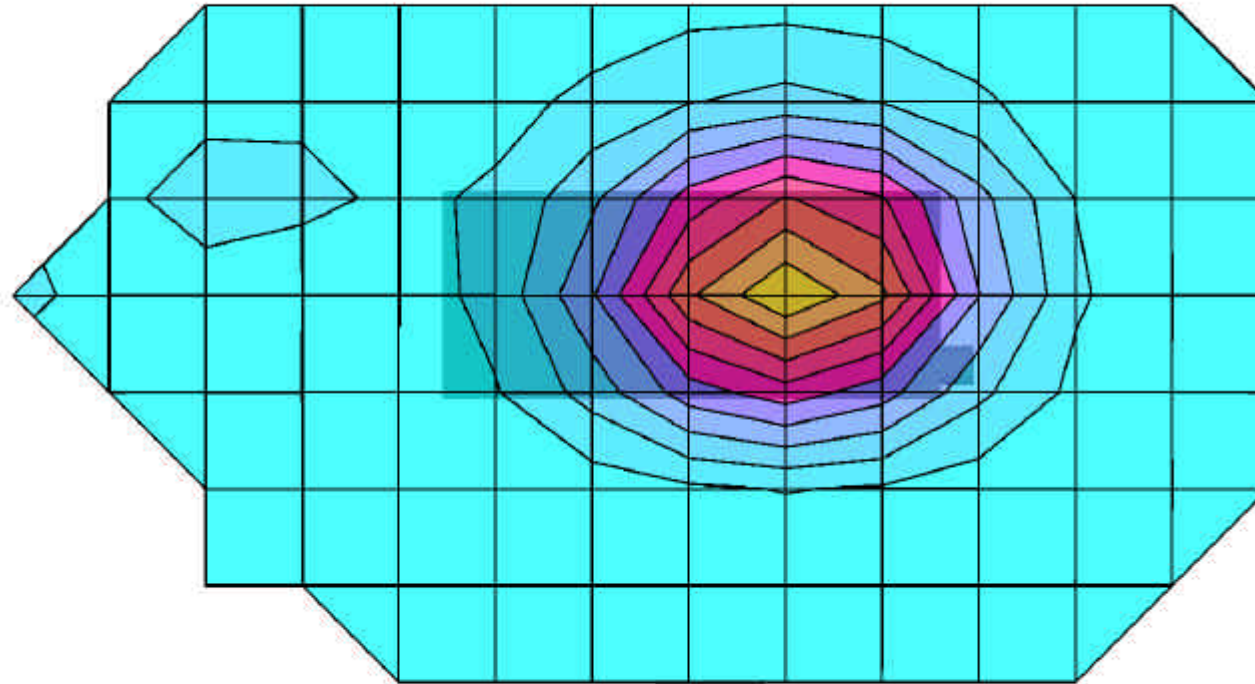
Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

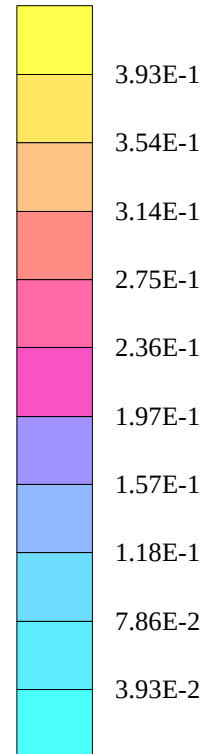
Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 0.7%

09/06/02



SAR_{Tot} [mW/g]



SND 251

Body Position in Case 2 Centre Channel (189)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

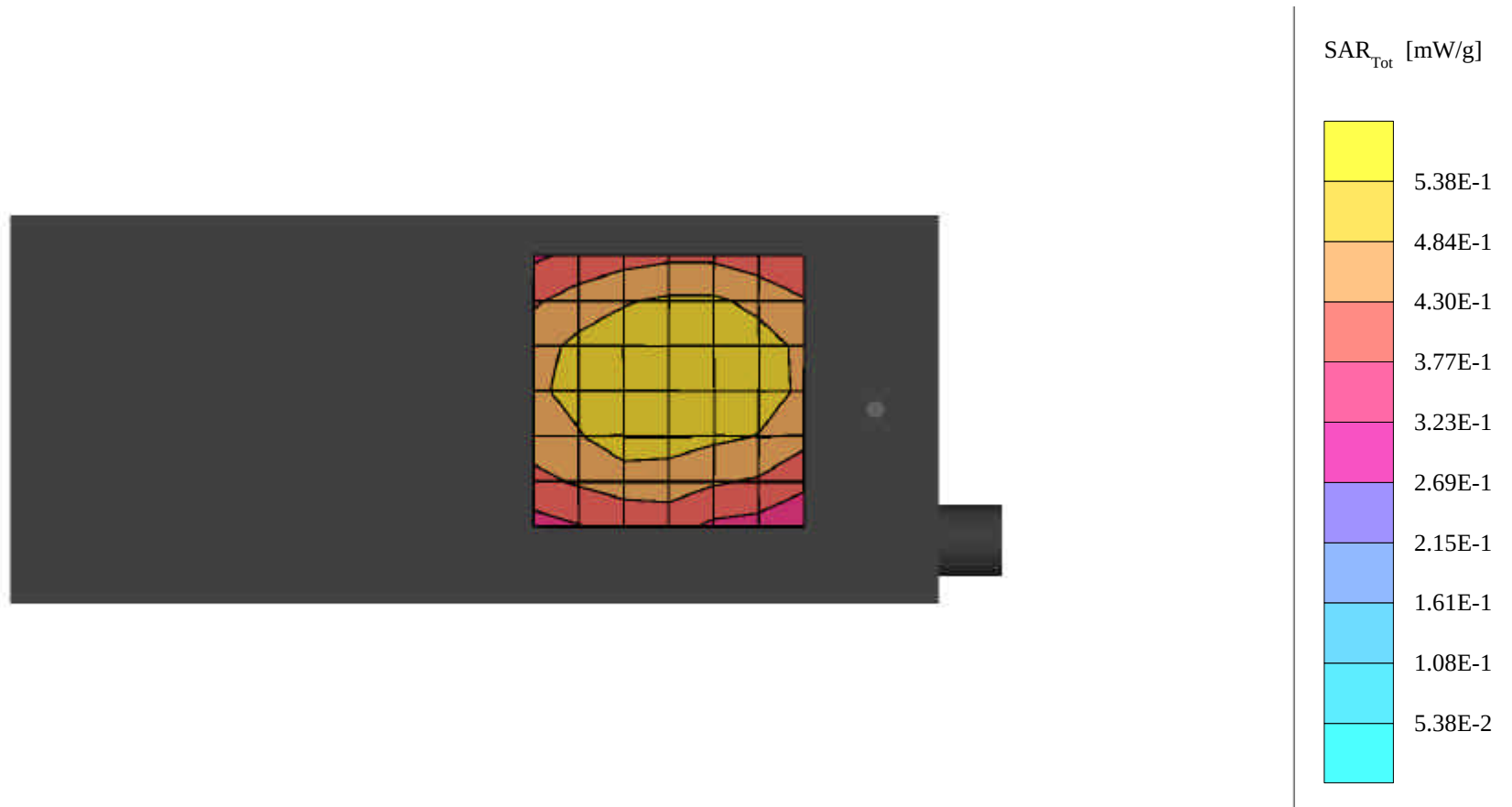
Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.542 mW/g, SAR (1g): 0.368 mW/g

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 0.7%

09/06/02



SND 251

Body Position in Case 2 With Personal Hands Free Centre Channel (189)

SAM Phantom; Flat

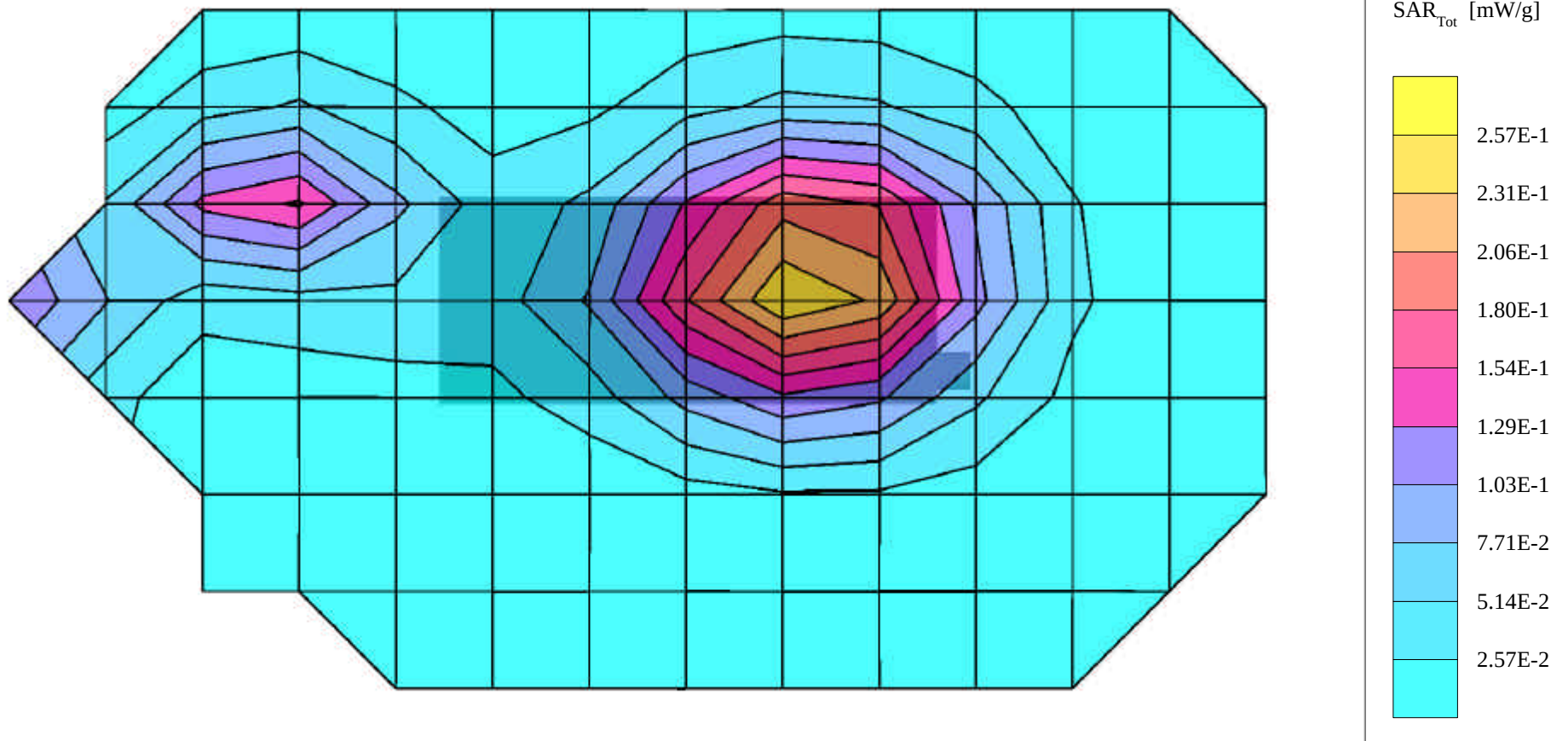
Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 2.1%

09/06/02



SND 251

Body Position in Case 2 with Personal Hands Free Centre Channel (189)

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(6.10,6.10,6.10);

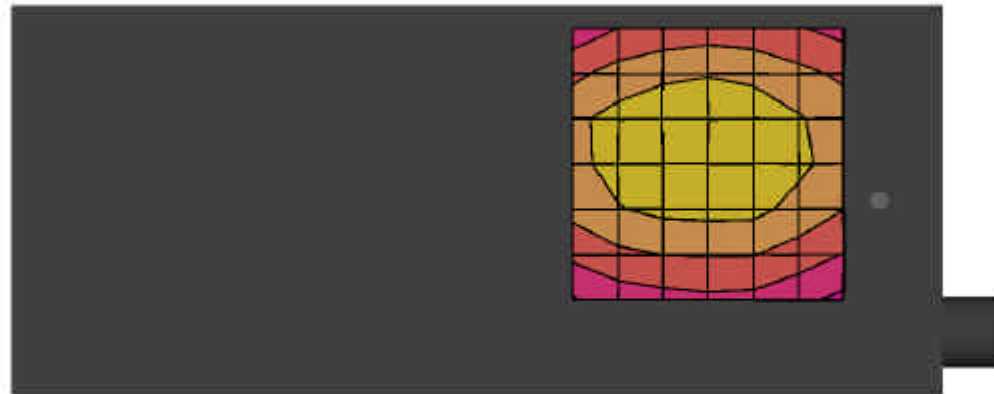
Crest factor: 8.0; Body 835MHz FCC: $\sigma = 0.91$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Peak: 0.370 mW/g, SAR (1g): 0.247 mW/g

Lab Temperature 21.5 deg C, Fluid Temperature 20.1 deg C

SAR Drift 2.1%

09/06/02



SAR_{Tot} [mW/g]

