

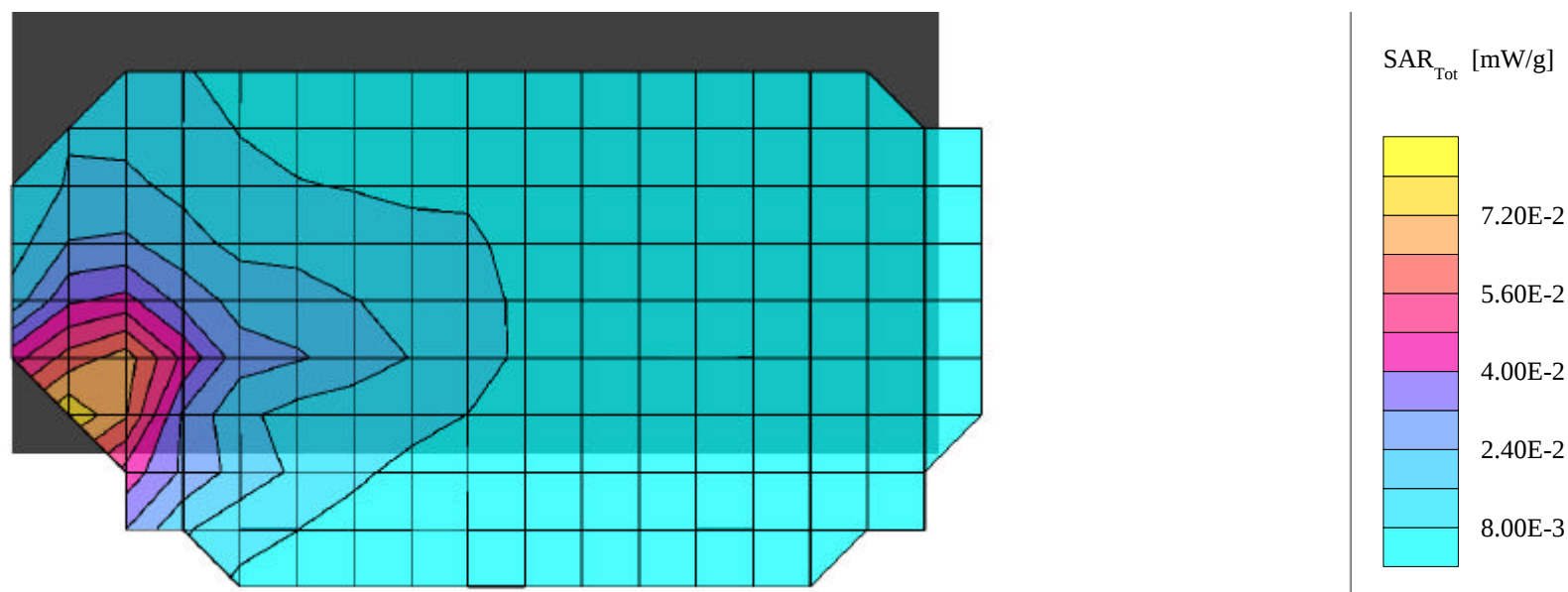
APPENDIX A - SAR MEASUREMENT DATA

Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Back of PC Tablet - Left Side Antenna
0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
Date Tested: August 7, 2003

Coarse Scan to Show Antenna Edge of EUT Bottom

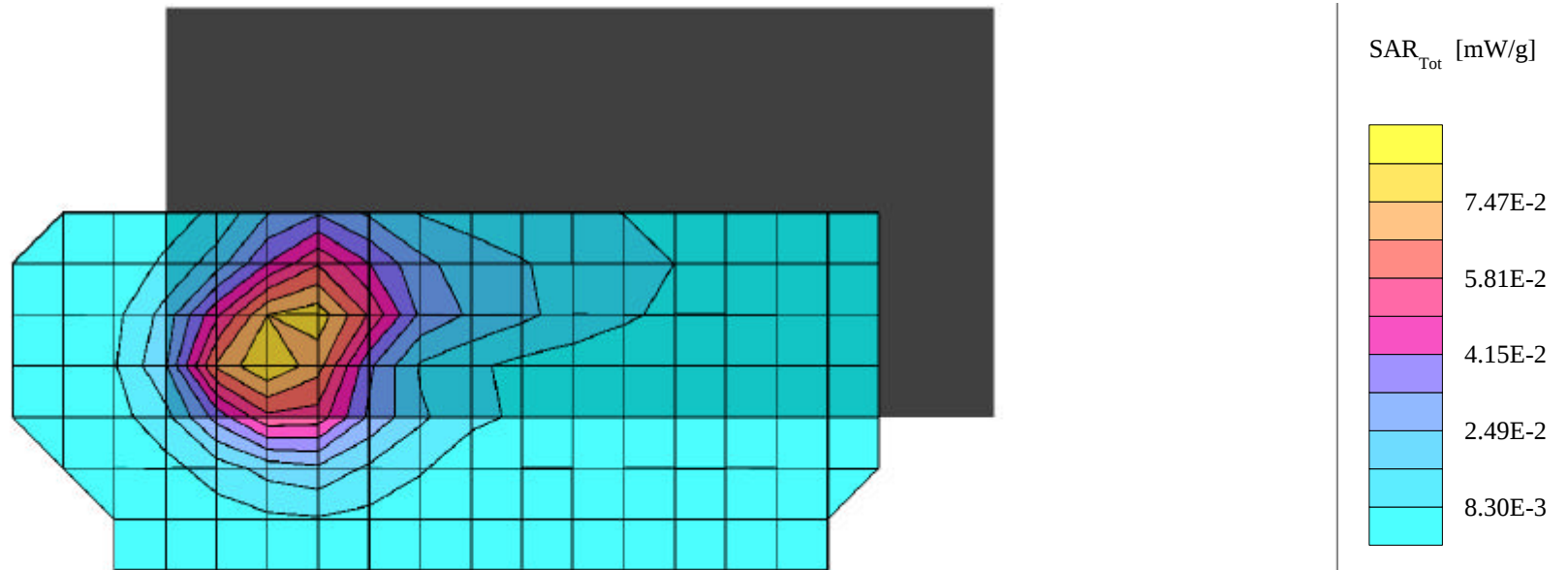


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
 Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
 Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Cube 5x5x7 Powerdrift: -0.17 dB
 SAR (1g): 0.0698 mW/g, SAR (10g): 0.0382 mW/g

Back of PC Tablet - Left Side Antenna
 0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
 Hitachi Data Systems Model: PC5NR3
 with Agere Systems Mini-PCI WLAN Module
 Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
 DSSS Mode
 Channel 6 [2437 MHz]
 Conducted Power: 15.30 dBm
 Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
 Date Tested: August 7, 2003

Coarse Scan to Evaluate Cube Scan

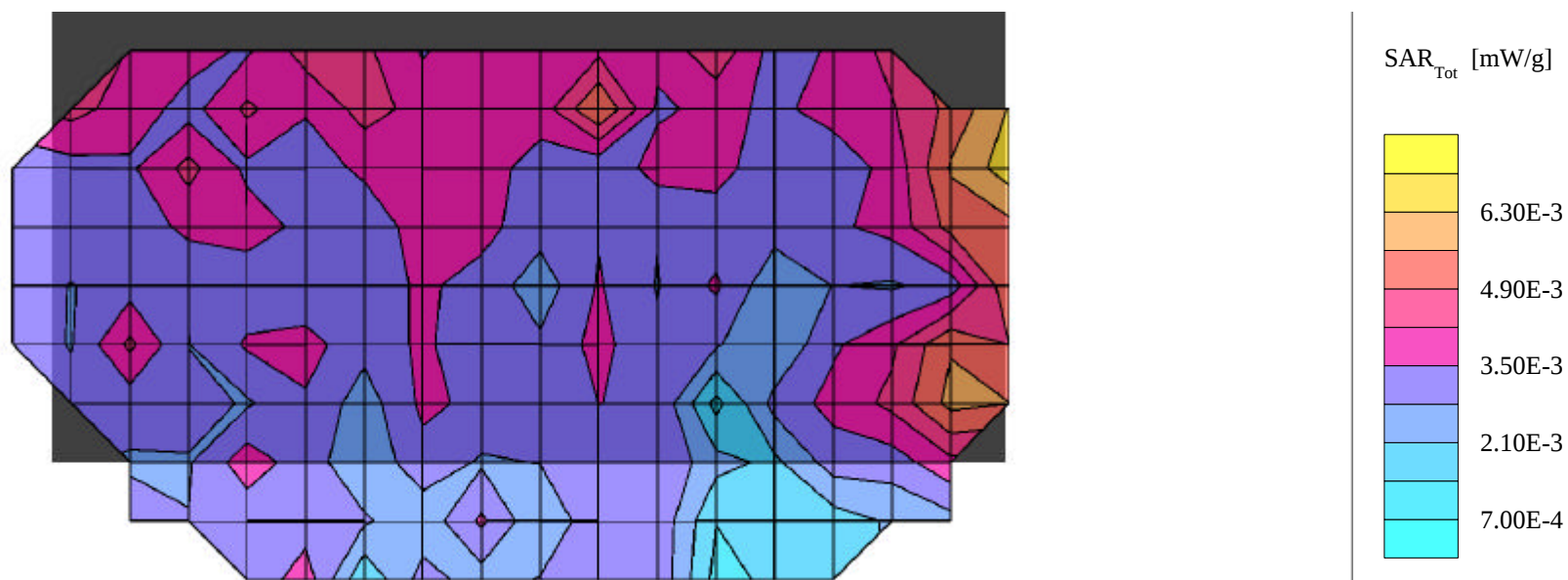


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Back of PC Tablet - Left Side Antenna
0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
Date Tested: August 7, 2003

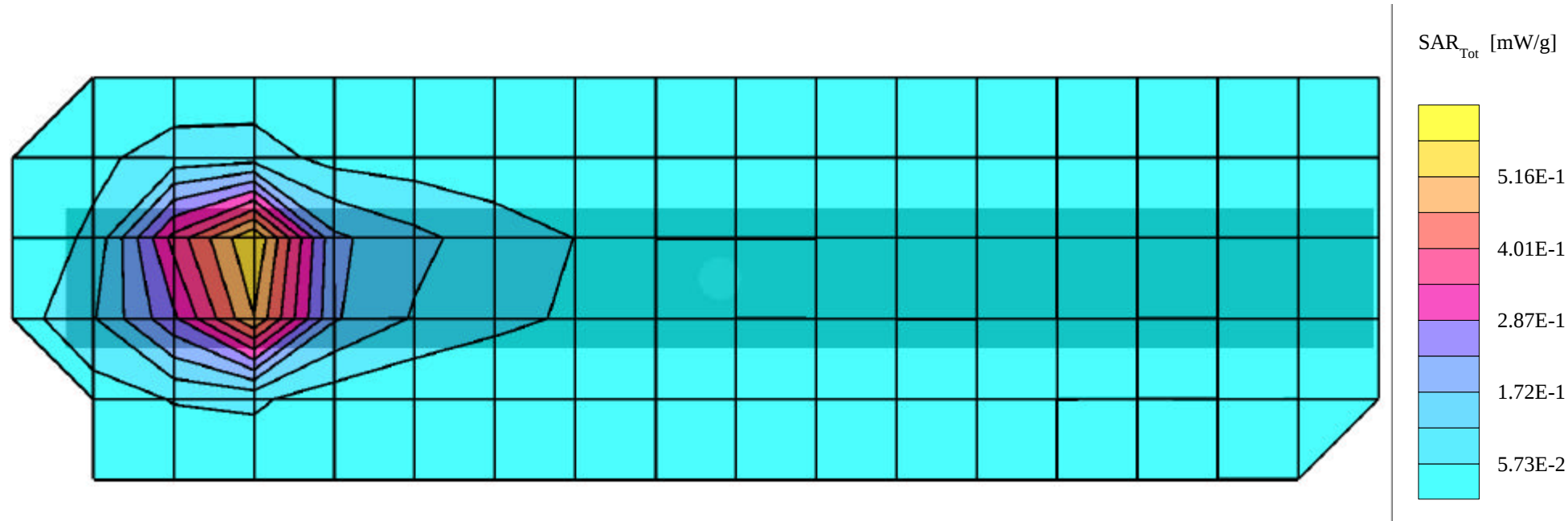
Coarse Scan to Show Remaining Half of Bottom (Back of LCD Display)



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.04 dB
SAR (1g): 0.572 mW/g, SAR (10g): 0.252 mW/g

Top of PC Tablet - Left Side Antenna
0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
Date Tested: August 7, 2003



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section

Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0

Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³

Z-Axis Extrapolation at Peak SAR Location

Top of PC Tablet - Left Side Antenna

0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom

Hitachi Data Systems Model: PC5NR3

with Agere Systems Mini-PCI WLAN Module

Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)

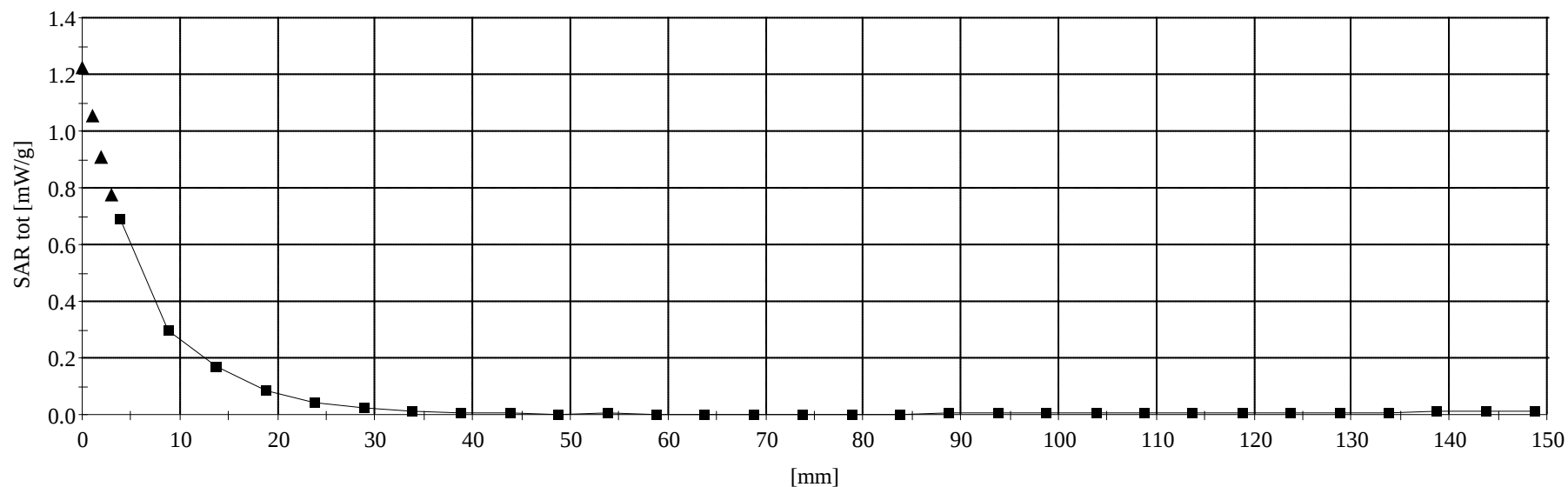
DSSS Mode

Channel 6 [2437 MHz]

Conducted Power: 15.30 dBm

Ambient Temp: 25.5°C; Fluid Temp: 23.8°C

Date Tested: August 7, 2003



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)

Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0

Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7 Powerdrift: -0.09 dB

SAR (1g): 0.157 mW/g, SAR (10g): 0.0775 mW/g

Left Side of PC Tablet - Left Side Antenna

0.0 cm Separation Distance from Left Side of PC Tablet to Planar Phantom

Hitachi Data Systems Model: PC5NR3

with Agere Systems Mini-PCI WLAN Module

Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)

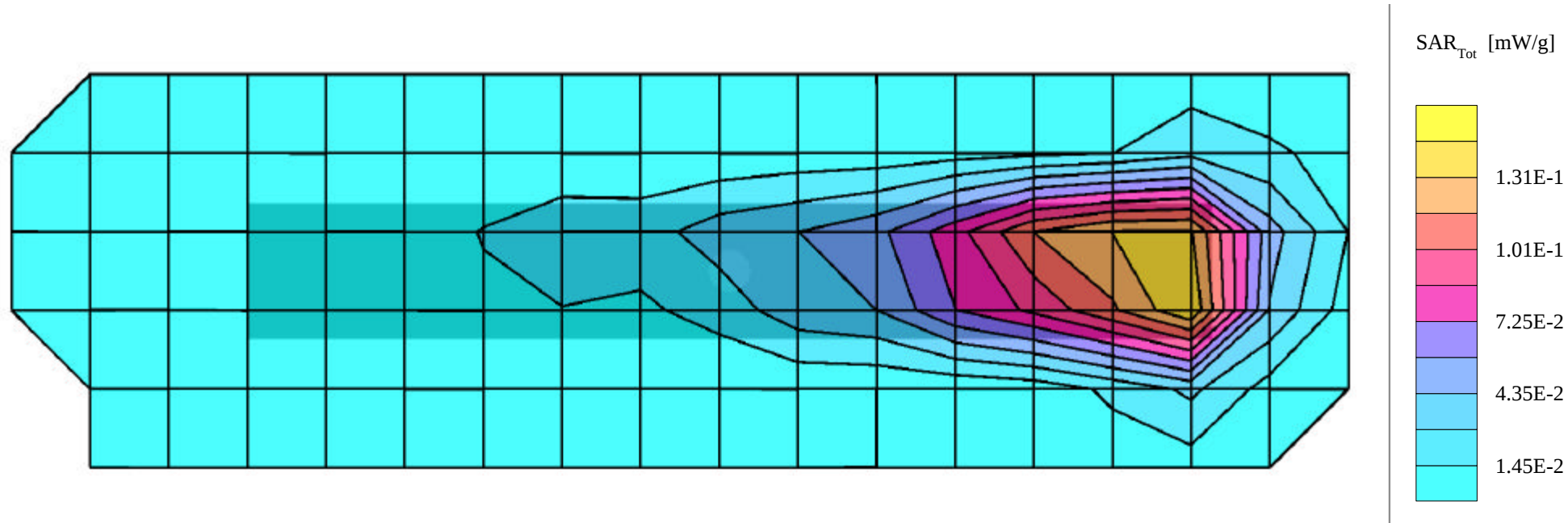
DSSS Mode

Channel 6 [2437 MHz]

Conducted Power: 15.30 dBm

Ambient Temp: 25.5°C; Fluid Temp: 23.8°C

Date Tested: August 7, 2003

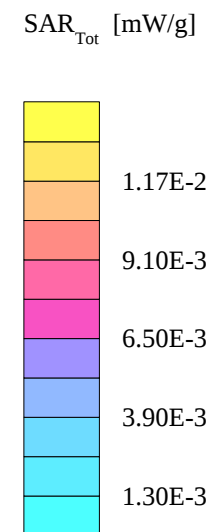
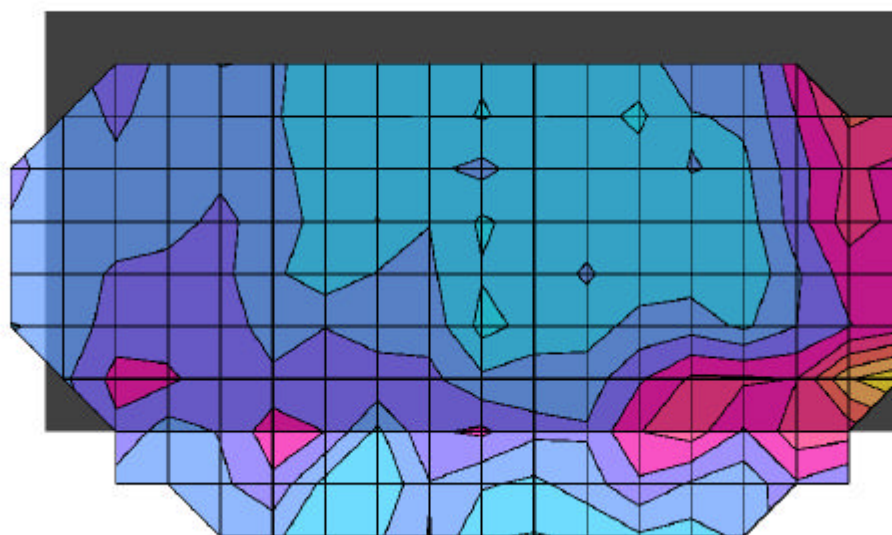


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Back of PC Tablet - Right Side Antenna
0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
Date Tested: August 7, 2003

Coarse Scan to Show Antenna Edge of EUT Bottom

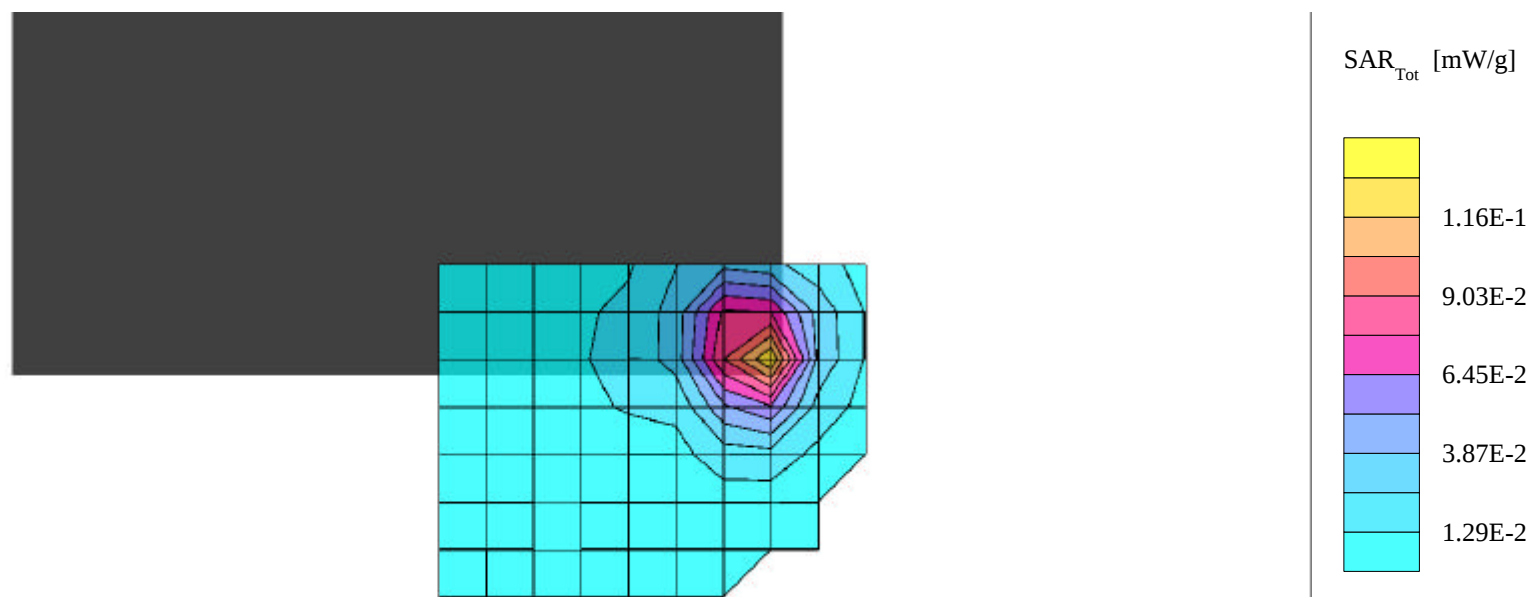


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
 Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
 Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Cube 5x5x7 Powerdrift: -0.08 dB
 SAR (1g): 0.103 mW/g, SAR (10g): 0.0552 mW/g

Back of PC Tablet - Right Side Antenna
 0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
 Hitachi Data Systems Model: PC5NR3
 with Agere Systems Mini-PCI WLAN Module
 Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
 DSSS Mode
 Channel 6 [2437 MHz]
 Conducted Power: 15.30 dBm
 Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
 Date Tested: August 7, 2003

Coarse Scan to Evaluate Cube Scan

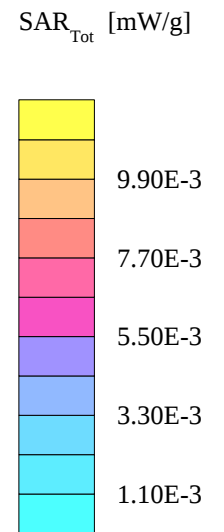
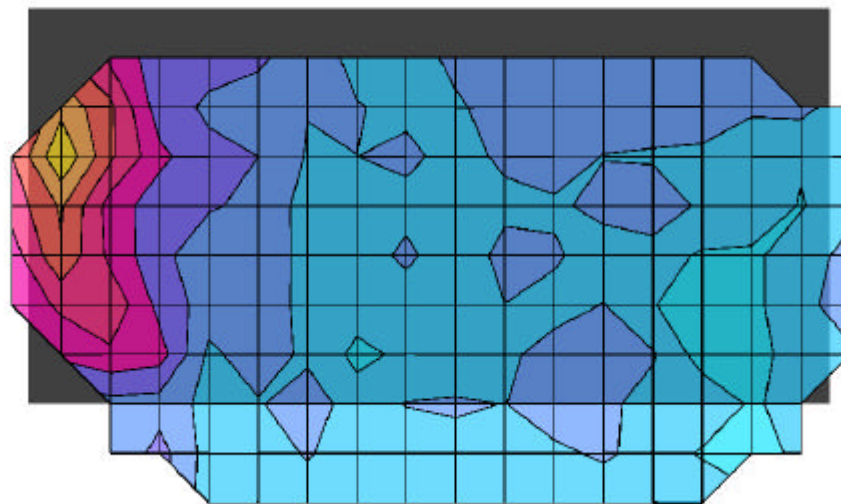


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Back of PC Tablet - Right Side Antenna
0.0 cm Separation Distance from Back of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
Date Tested: August 7, 2003

Coarse Scan to Show Remaining Half of Bottom (Back of LCD Display)

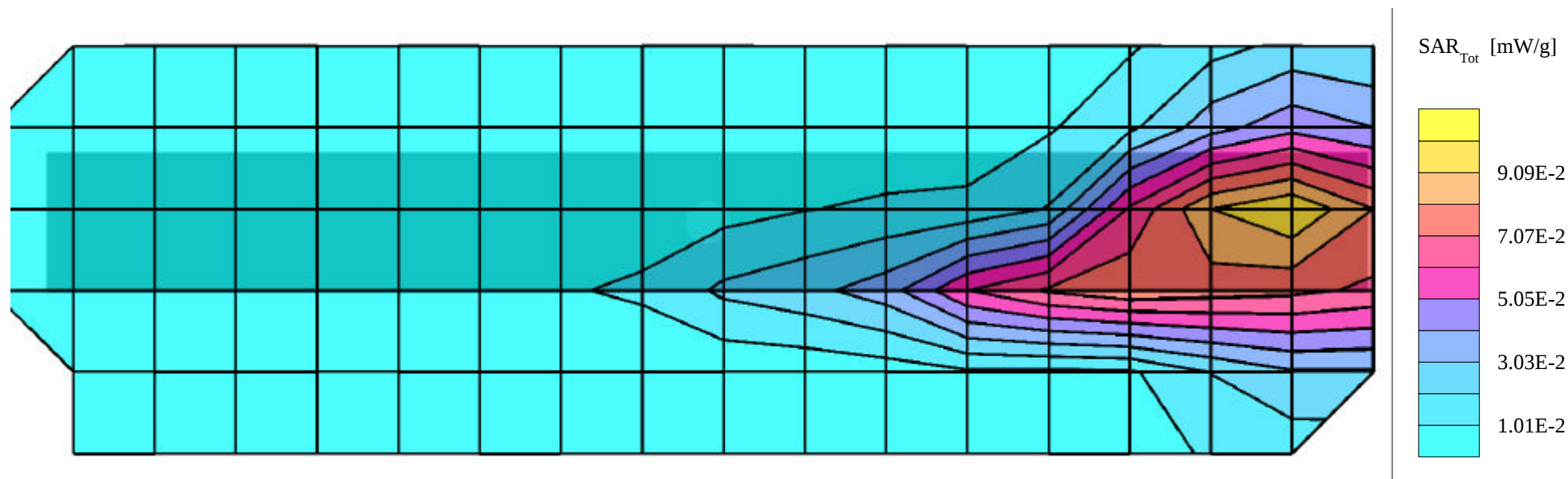


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
 Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
 Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Top of PC Tablet - Right Side Antenna
 0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom
 Hitachi Data Systems Model: PC5NR3
 with Agere Systems Mini-PCI WLAN Module
 Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
 DSSS Mode
 Channel 6 [2437 MHz]
 Conducted Power: 15.30 dBm
 Ambient Temp: 25.5°C; Fluid Temp: 23.4°C
 Date Tested: August 7, 2003

Coarse Scan to Show Antenna Edge of EUT Top

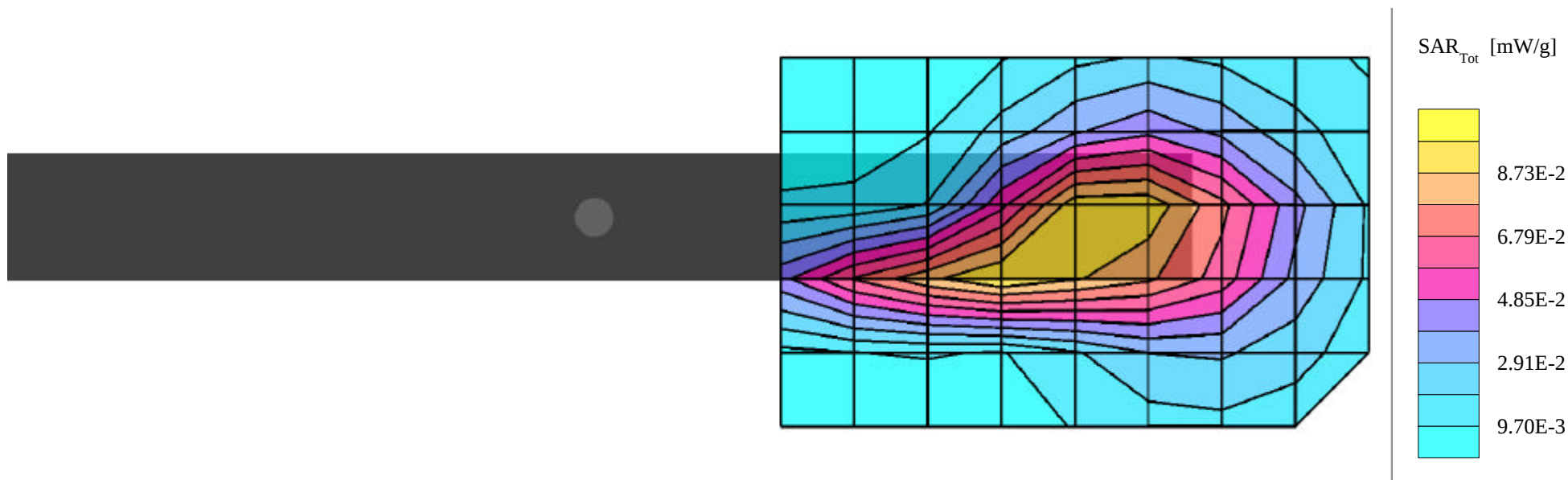


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
 Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
 Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Cube 5x5x7 Powerdrift: -0.10 dB
 SAR (1g): 0.0960 mW/g, SAR (10g): 0.0506 mW/g

Top of PC Tablet - Right Side Antenna
 0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom
 Hitachi Data Systems Model: PC5NR3
 with Agere Systems Mini-PCI WLAN Module
 Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
 DSSS Mode
 Channel 6 [2437 MHz]
 Conducted Power: 15.30 dBm
 Ambient Temp: 25.5°C; Fluid Temp: 23.4°C
 Date Tested: August 7, 2003

Coarse scan to Evaluate Cube Scan



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)

Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0

Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7 Powerdrift: 0.10 dB

SAR (1g): 0.330 mW/g, SAR (10g): 0.162 mW/g

Right Side of PC Tablet- Right Side Antenna

0.0 cm Separation Distance from Right Side of PC Tablet to Planar Phantom

Hitachi Data Systems Model: PC5NR3

with Agere Systems Mini-PCI WLAN Module

Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)

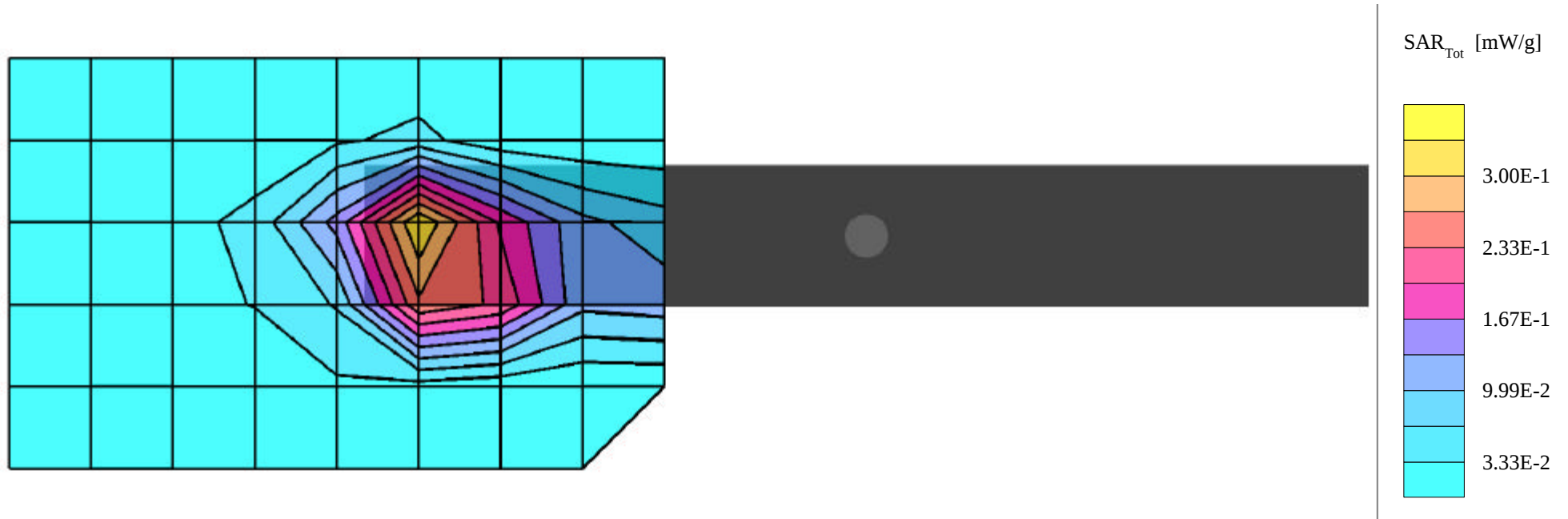
DSSS Mode

Channel 6 [2437 MHz]

Conducted Power: 15.30 dBm

Ambient Temp: 25.5°C; Fluid Temp: 23.8°C

Date Tested: August 7, 2003

Coarse scan to Evaluate Cube Scan

Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)

Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0

Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Right Side of PC Tablet - Right Side Antenna

0.0 cm Separation Distance from Right Side of PC Tablet to Planar Phantom

Hitachi Data Systems Model: PC5NR3 - **WITHOUT ACCESSORIES**

with Agere Systems Mini-PCI WLAN Module

Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)

DSSS Mode

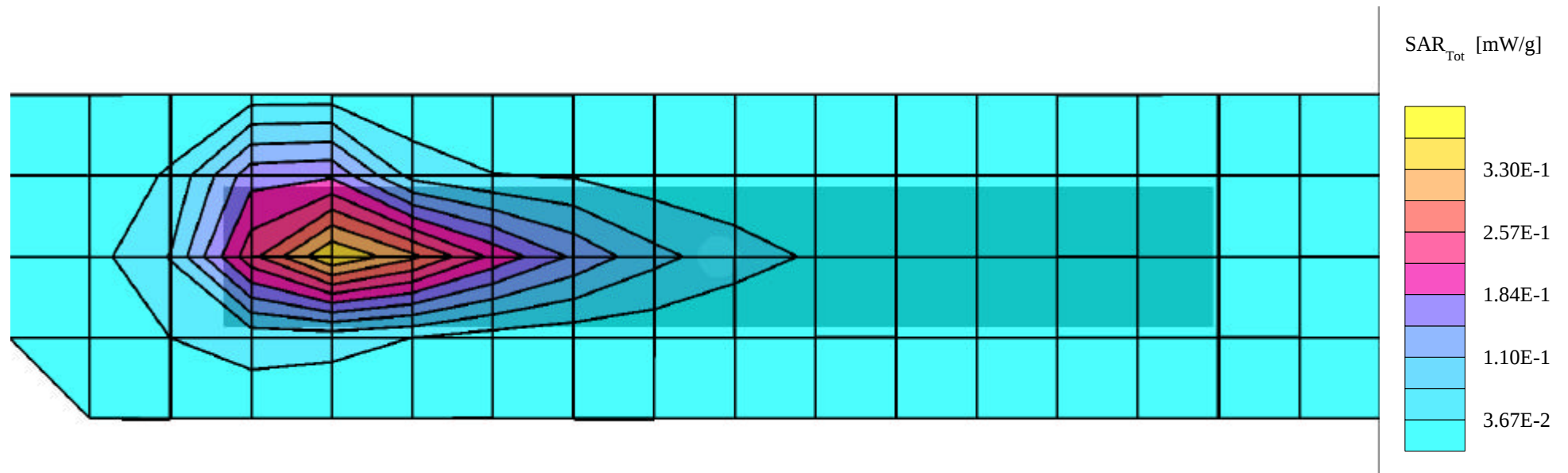
Channel 6 [2437 MHz]

Conducted Power: 15.30 dBm

Ambient Temp: 25.5°C; Fluid Temp: 23.8°C

Date Tested: August 7, 2003

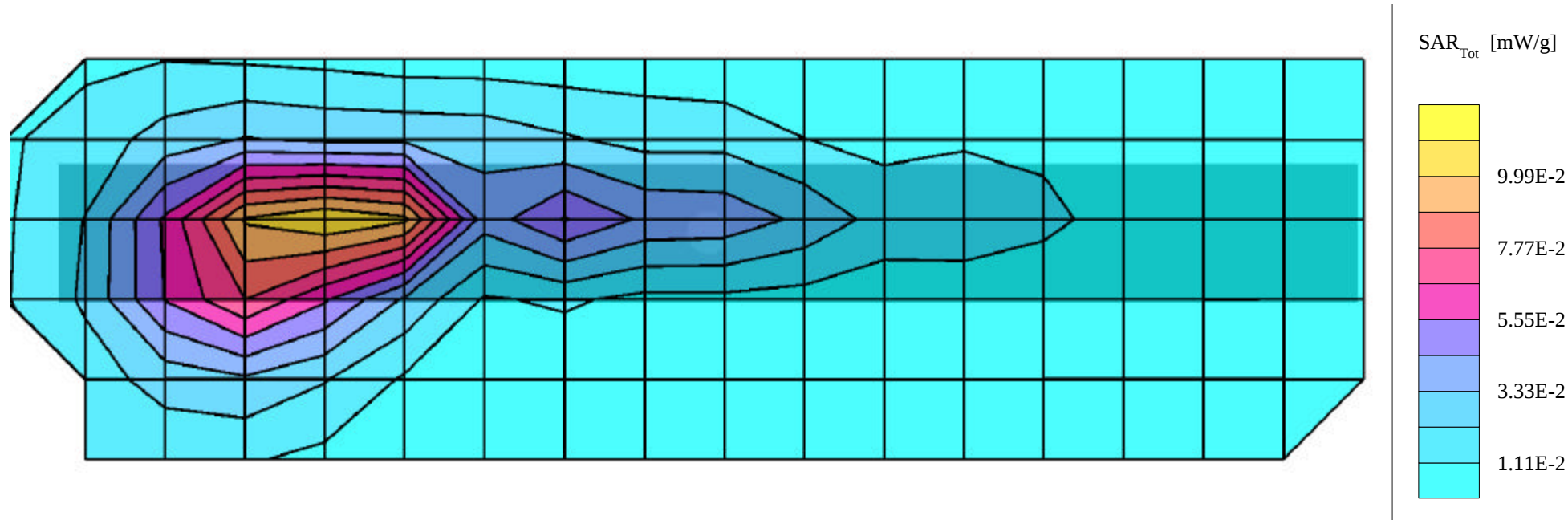
Coarse Scan to show Antenna Edge of EUT Right Side - Without Accessories



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
 Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
 Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Cube 5x5x7 Powerdrift: -0.04 dB
 SAR (1g): 0.0865 mW/g, SAR (10g): 0.0451 mW/g

Top of PC Tablet - Left Side Antenna
 0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom
 Hitachi Data Systems Model: PC5NR3
 with Agere Systems Mini-PCI WLAN Module
 Extended Li-Ion Battery Model: PC-AB5910 (3.4 Ah)
 DSSS Mode
 Channel 6 [2437 MHz]
 Conducted Power: 15.30 dBm
 Ambient Temp: 25.5°C; Fluid Temp: 23.8°C
 Date Tested: August 7, 2003



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)

Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0

Muscle 2450 MHz: $\sigma = 1.99$ mho/m $\epsilon_r = 50.1$ $\rho = 1.00$ g/cm³

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7 Powerdrift: 0.13 dB

SAR (1g): 0.328 mW/g, SAR (10g): 0.158 mW/g

Right Side of PC Tablet - Right Side Antenna

0.0 cm Separation Distance from Right Side of PC Tablet to Planar Phantom

Hitachi Data Systems Model: PC5NR3

with Agere Systems Mini-PCI WLAN Module

Extended Li-Ion Battery Model: PC-AB5910 (3.4 Ah)

DSSS Mode

Extended Battery (Hitachi Model: PC-AB5910)

Channel 6 [2437 MHz]

Conducted Power: 15.30 dBm

Ambient Temp: 25.5°C; Fluid Temp: 23.8°C

Date Tested: August 7, 2003

Coarse scan to Evaluate Cube Scan

