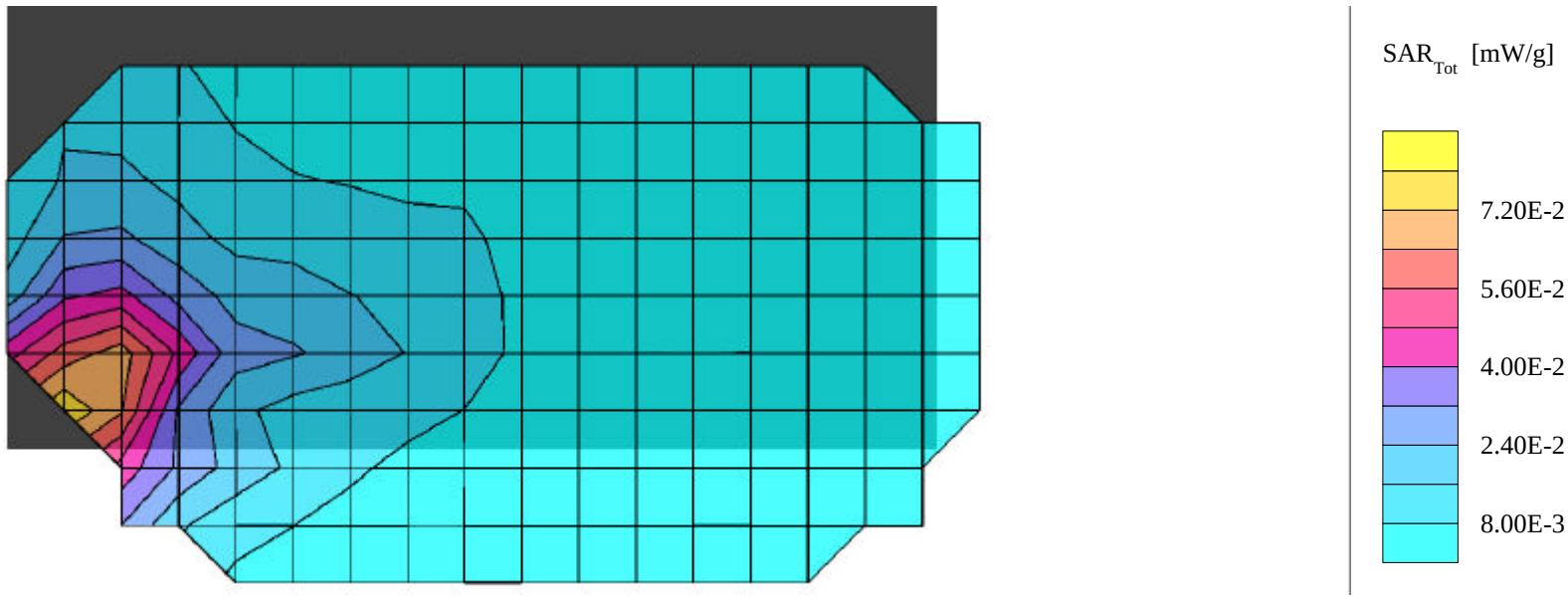
APPENDIX A - SAR MEASUREMENT DATA

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: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

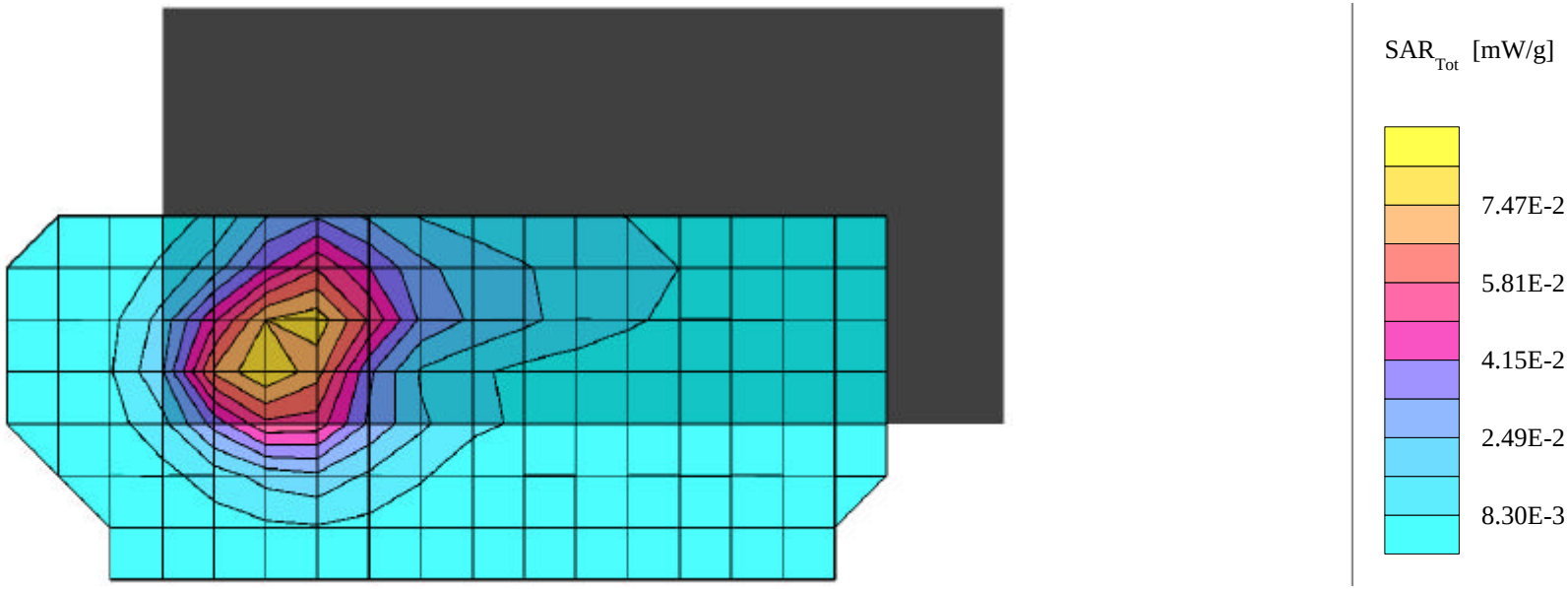


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

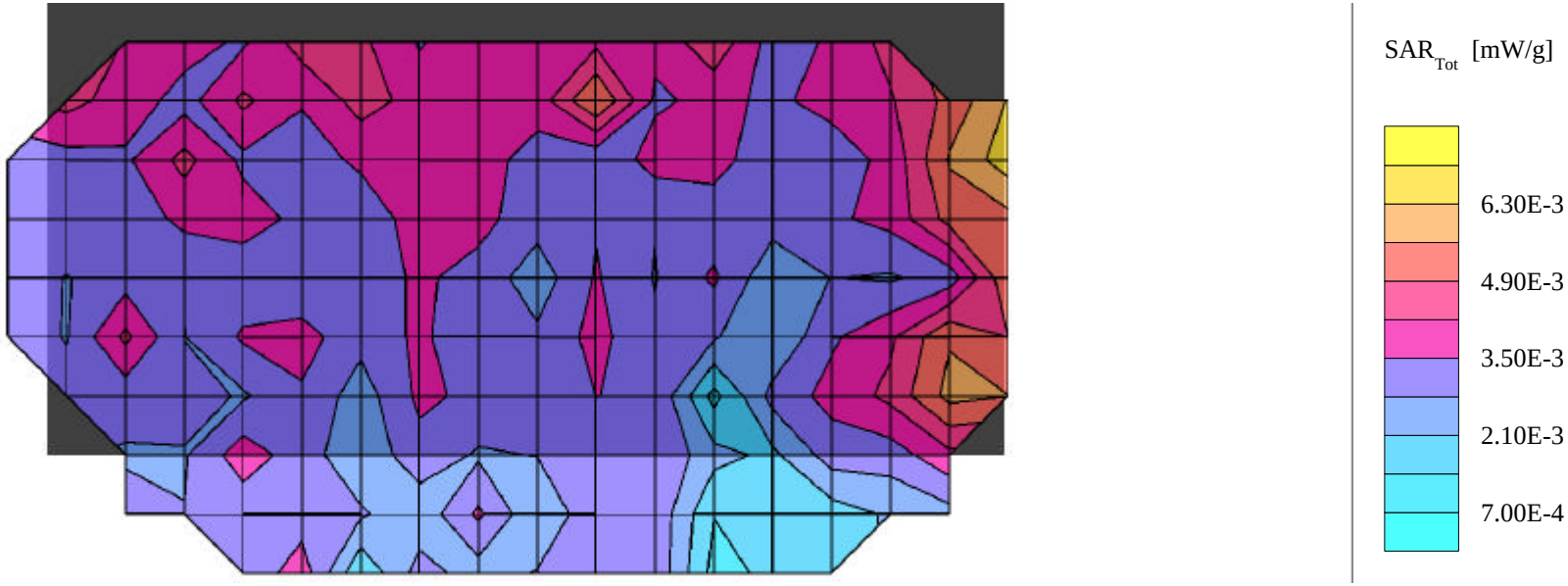


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

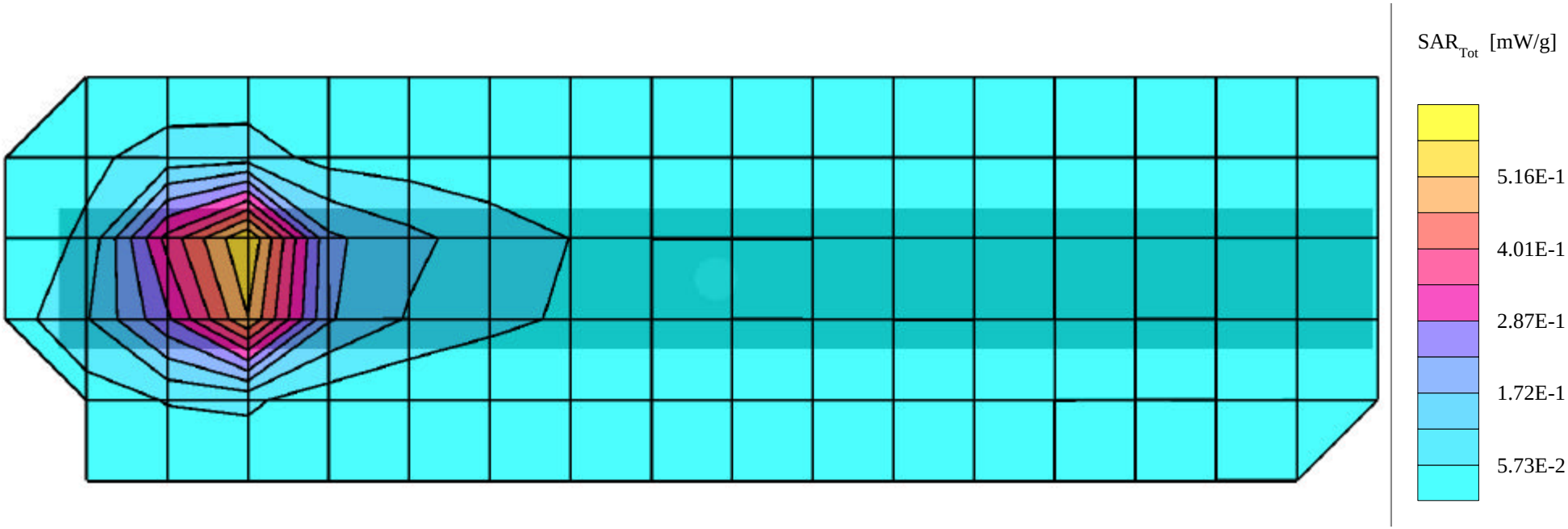
Coarse Scan to Show Remaining Half of Bottom (Back of LCD Display)



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: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

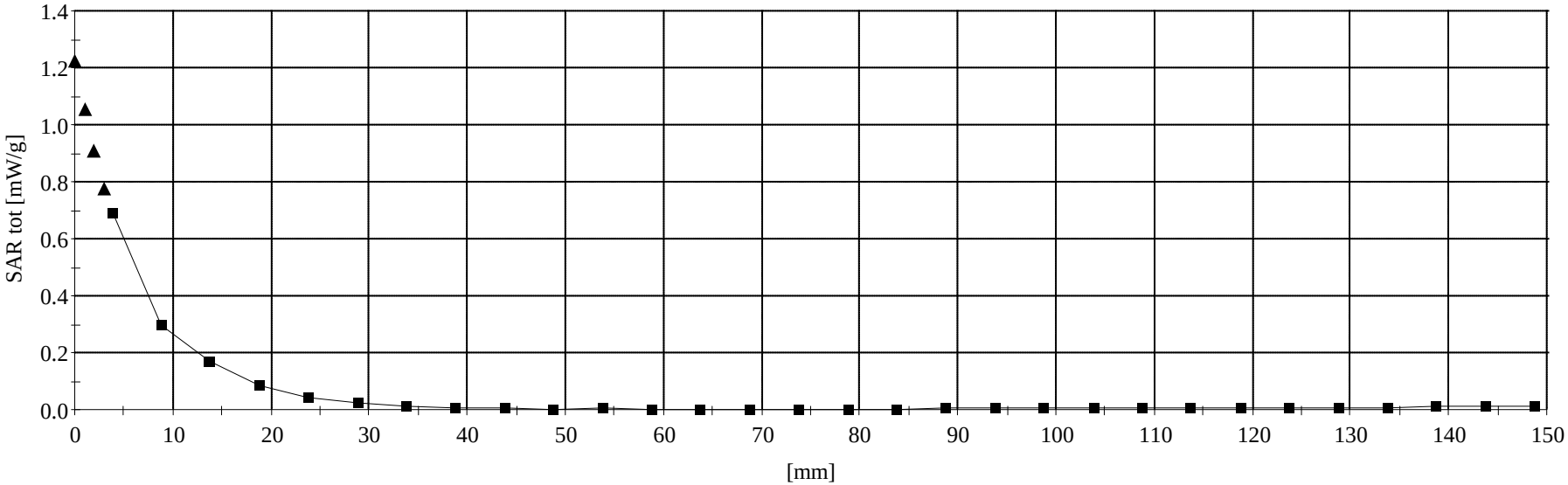


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3

Z-Axis Extrapolation at Peak SAR Location

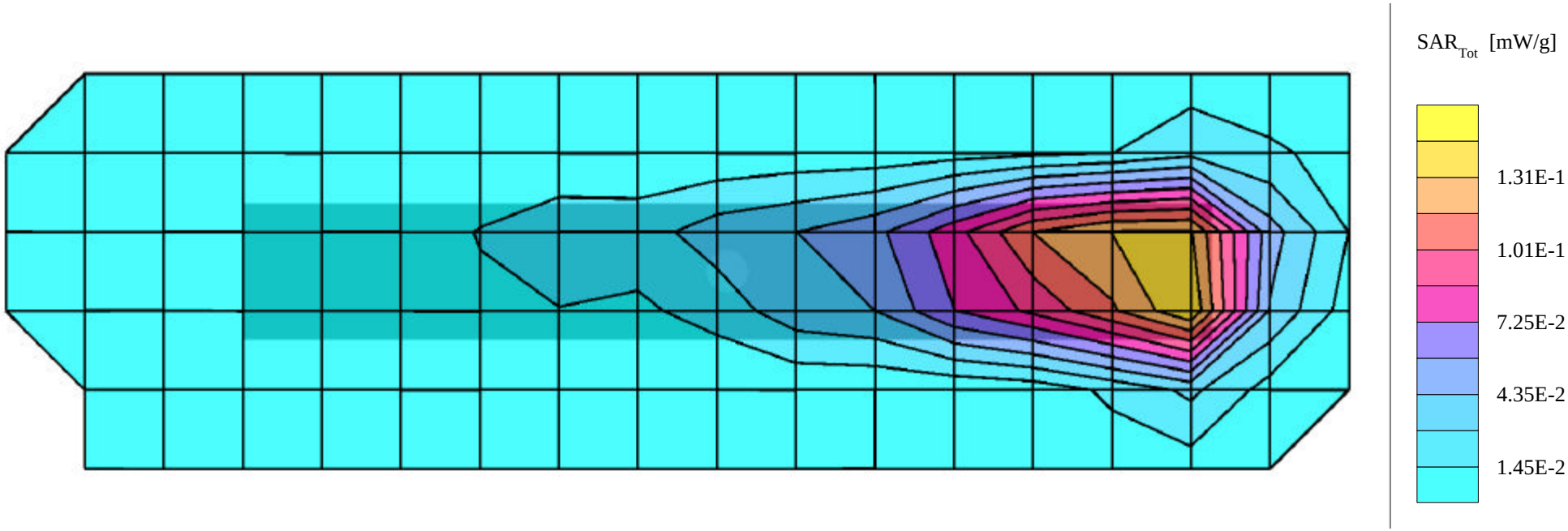
Top of PC Tablet - Left Side Antenna
0.0 cm Separation Distance from Top of PC Tablet to Planar Phantom
Hitachi Data Systems Model: PC5NR3
with Agere Systems Mini-PCI WLAN Module
Standard Li-Ion Battery Model: PC-AB5900 (1.7 Ah)
DSSS Mode
Channel 6 [2437 MHz]
Conducted Power: 15.30 dBm
Ambient Temp: 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: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

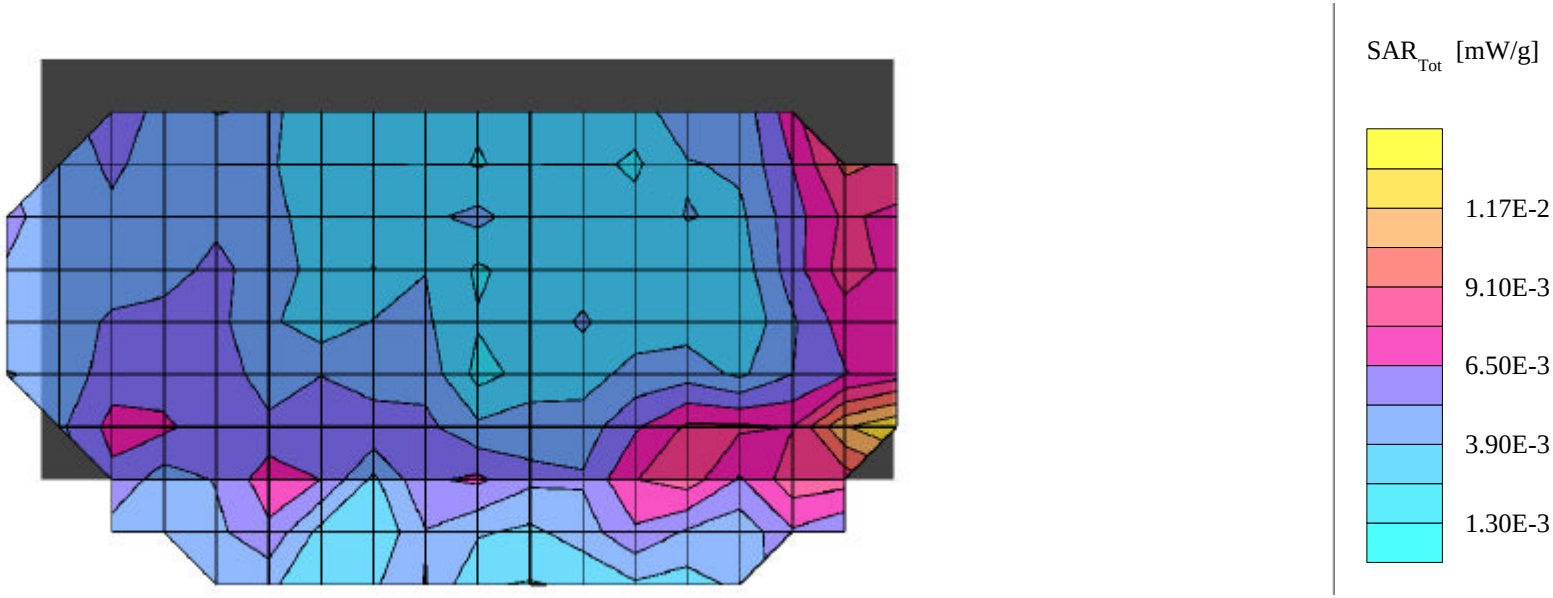


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

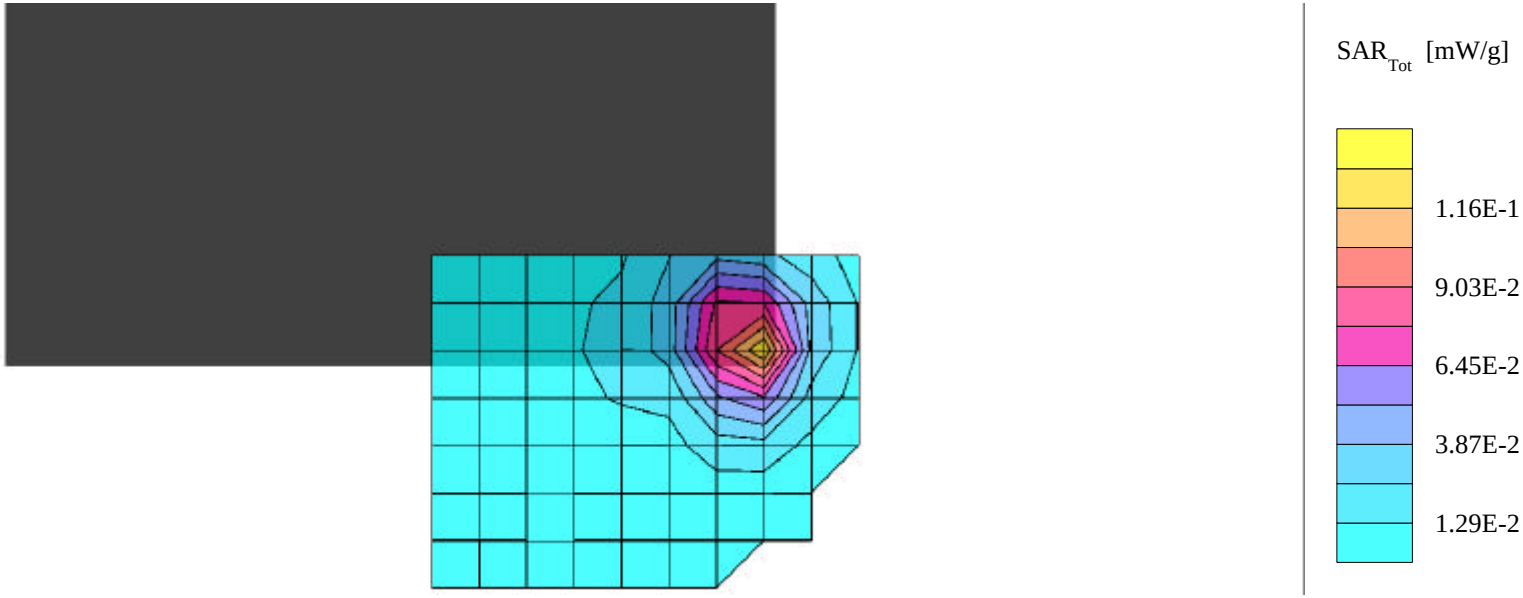


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

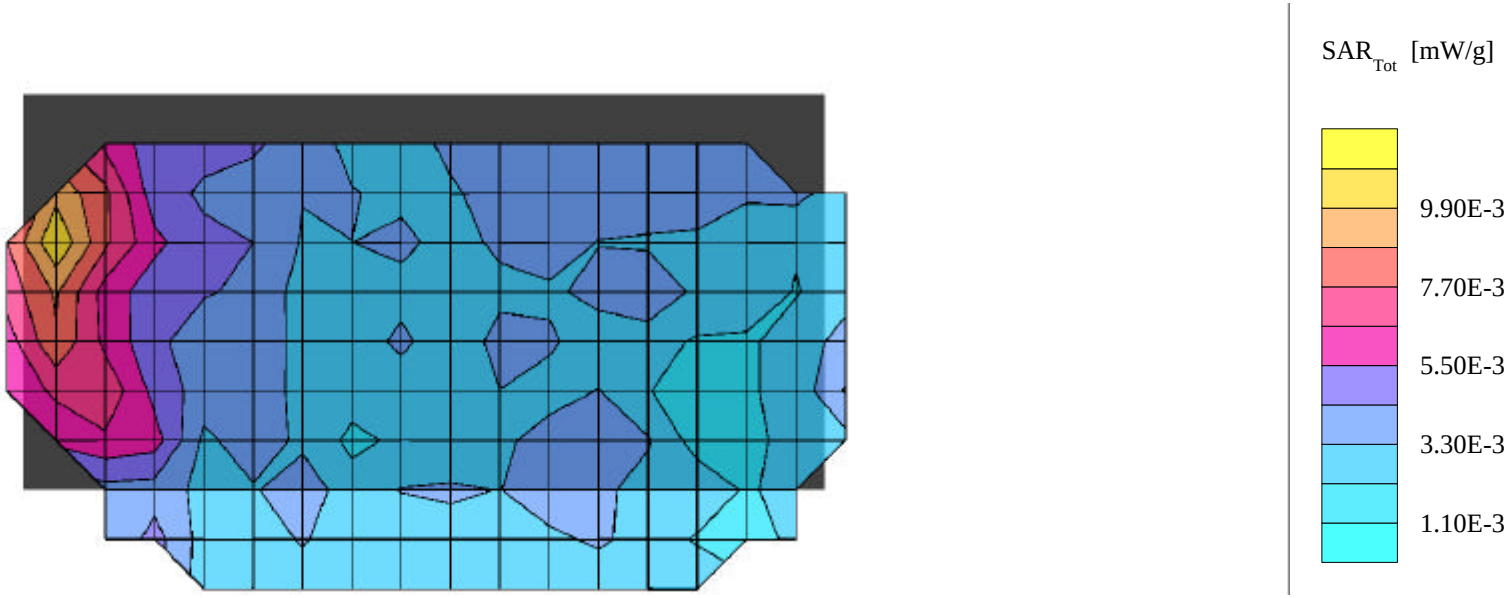


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (0°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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)

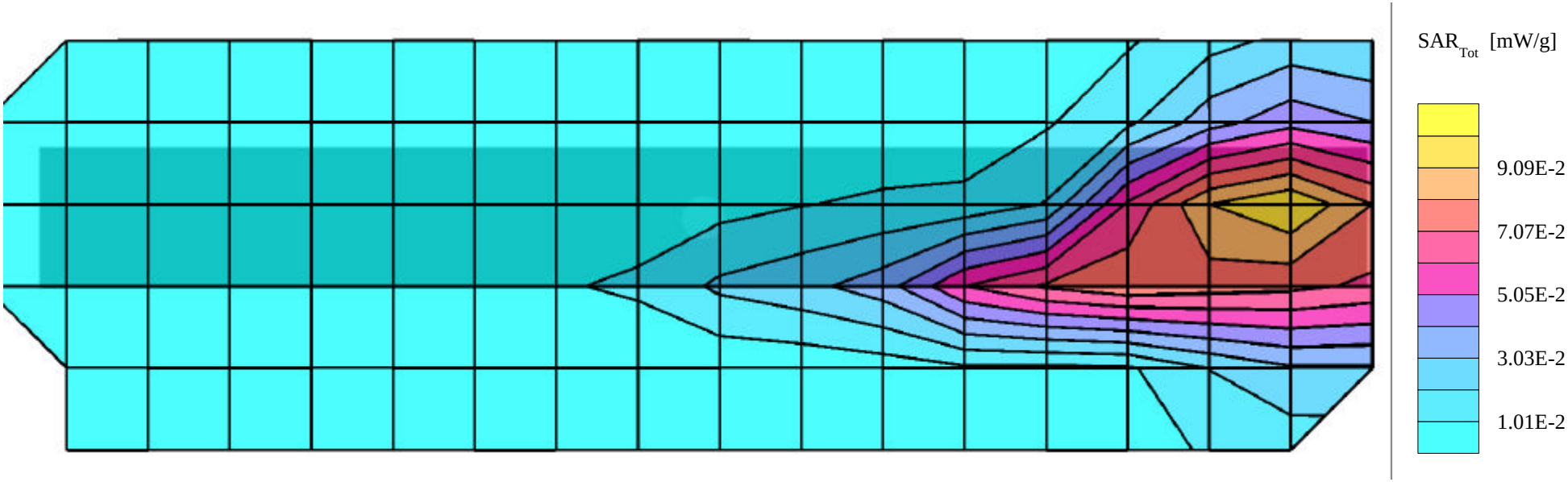


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

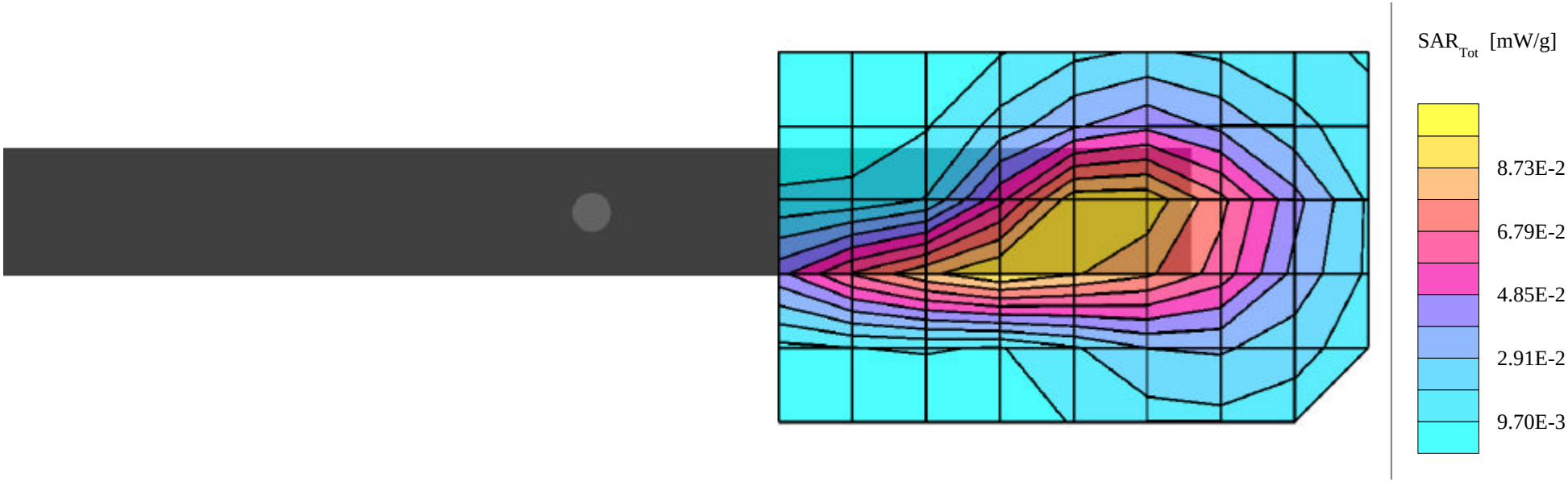


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

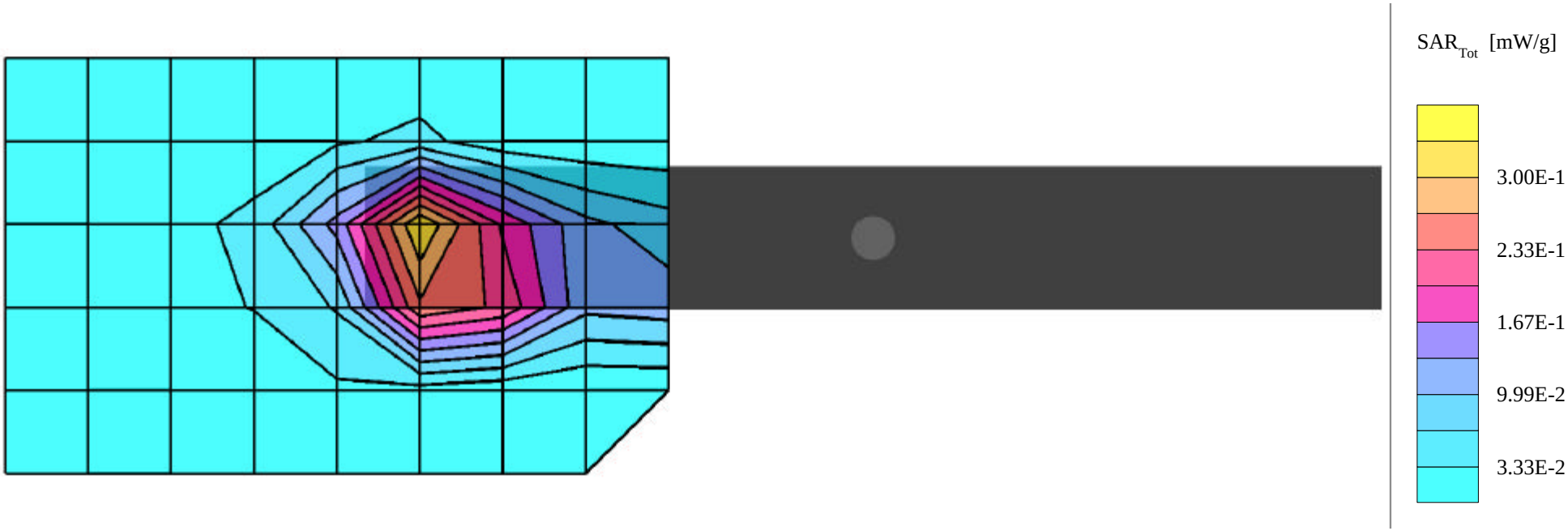


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

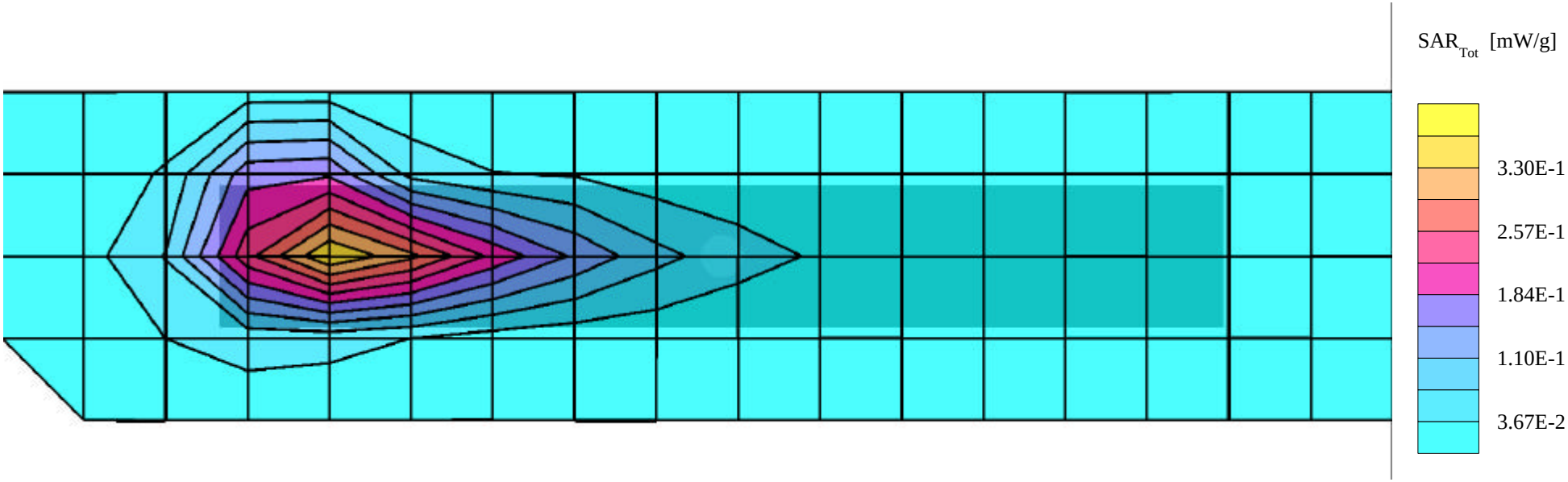


Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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

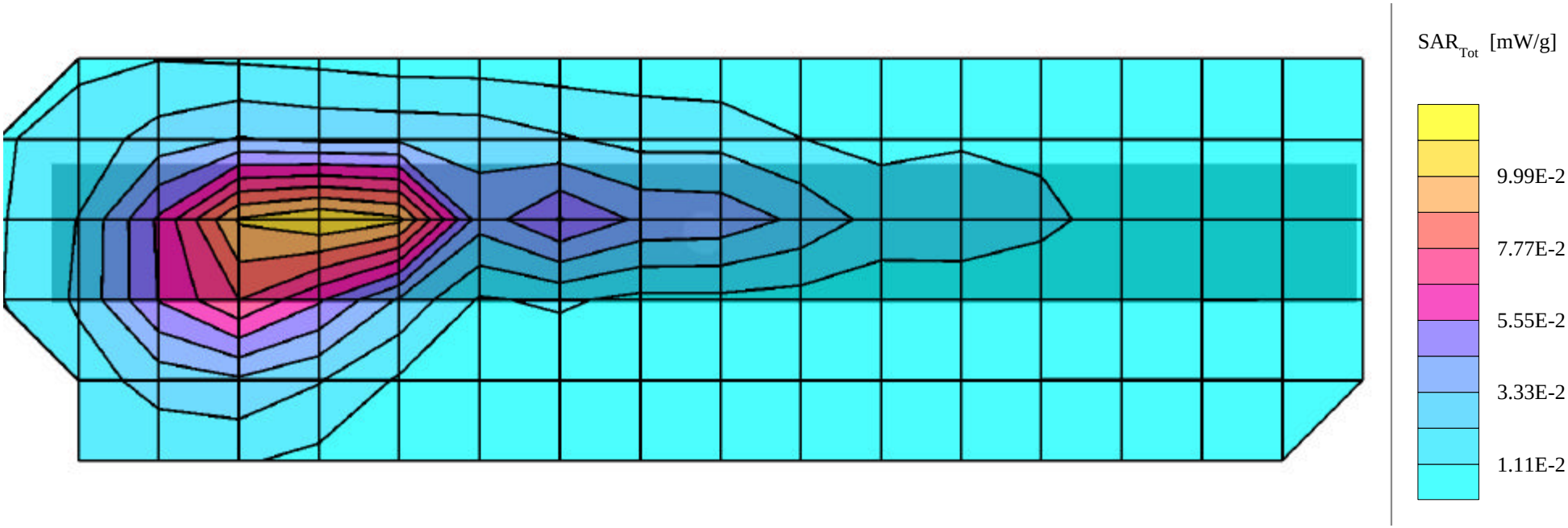
Coarse Scan to show Antenna Edge of EUT Right Side - Without Accessories



Hitachi Data Systems FCC ID: Q9Z-PC5NR3-J

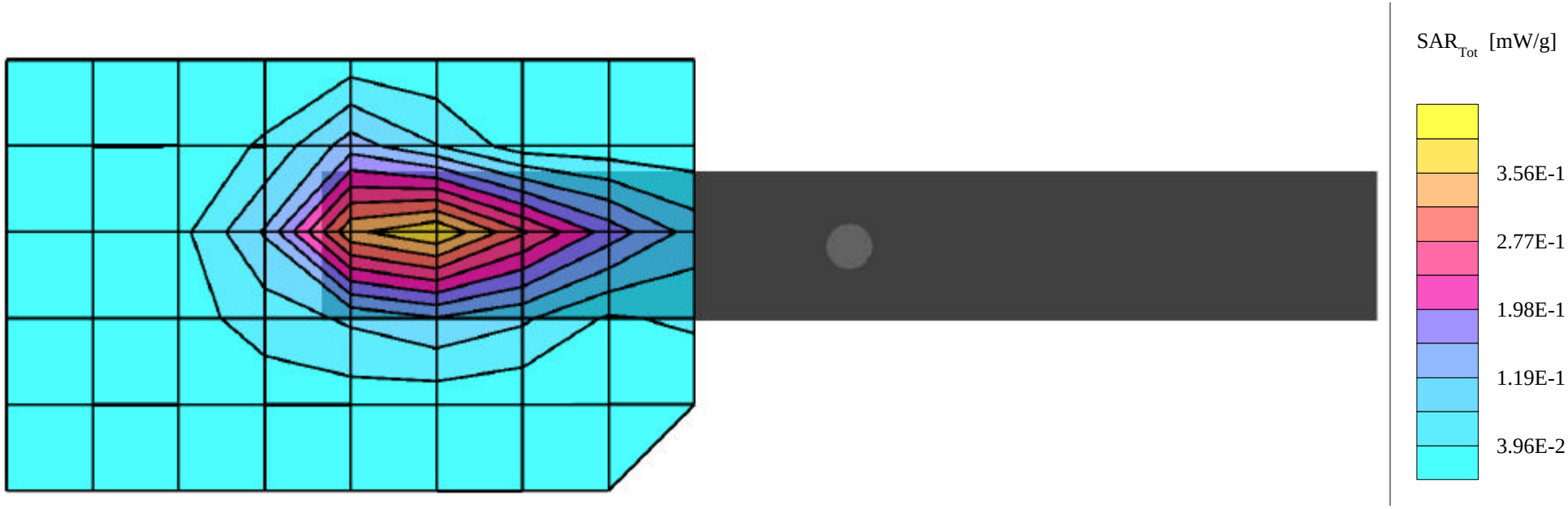
SAM Phantom; Flat Section; Position: (90°,0°)
Probe: ET3DV6 - SN1387; ConvF(4.60,4.60,4.60); Crest factor: 1.0
Muscle 2450 MHz: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.04 dB
SAR (1g): 0.0865 mW/g, SAR (10g): 0.0451 mW/g

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: σ = 1.99 mho/m ε_r = 50.1 ρ = 1.00 g/cm^3
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