

CDMA 800 Channel 1013

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 70.8 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 93.5 V/m; Power Drift = -0.072 dB

Peak E-field in V/m

Grid 1 64.6 M4	Grid 2 67.9 M4	Grid 3 65.5 M4
Grid 4 68.2 M4	Grid 5 70.8 M4	Grid 6 68.2 M4
Grid 7 65.2 M4	Grid 8 70.3 M4	Grid 9 67.5 M4

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.125 A/m

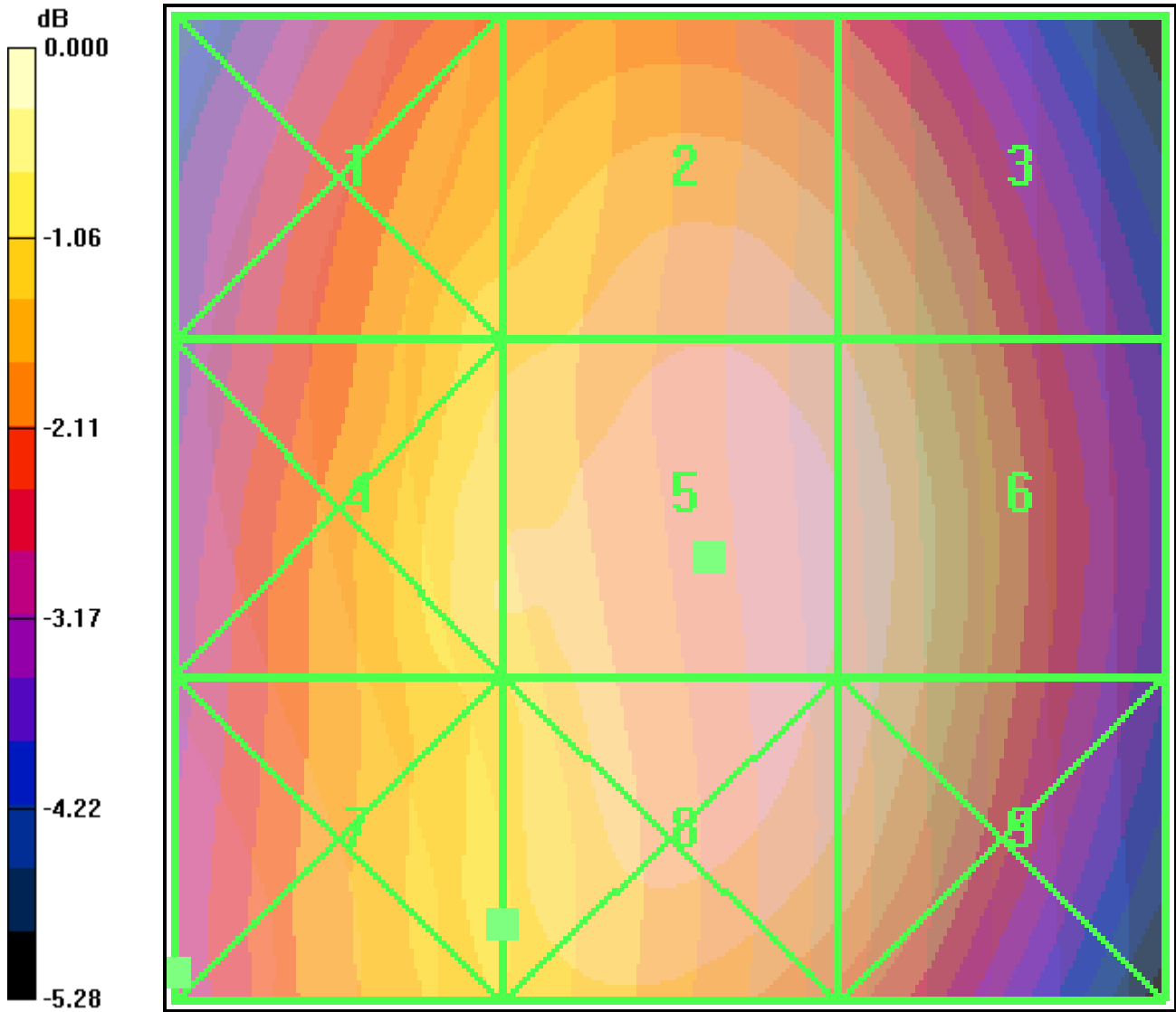
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.101 A/m; Power Drift = -0.062 dB

Peak H-field in A/m

Grid 1 0.164 M4	Grid 2 0.120 M4	Grid 3 0.079 M4
Grid 4 0.156 M4	Grid 5 0.119 M4	Grid 6 0.080 M4
Grid 7 0.171 M4	Grid 8 0.125 M4	Grid 9 0.081 M4



0 dB = 70.8V/m

CDMA 800 Channel 383

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 836.49 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_383/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 76.2 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 98.4 V/m; Power Drift = 0.045 dB

Peak E-field in V/m

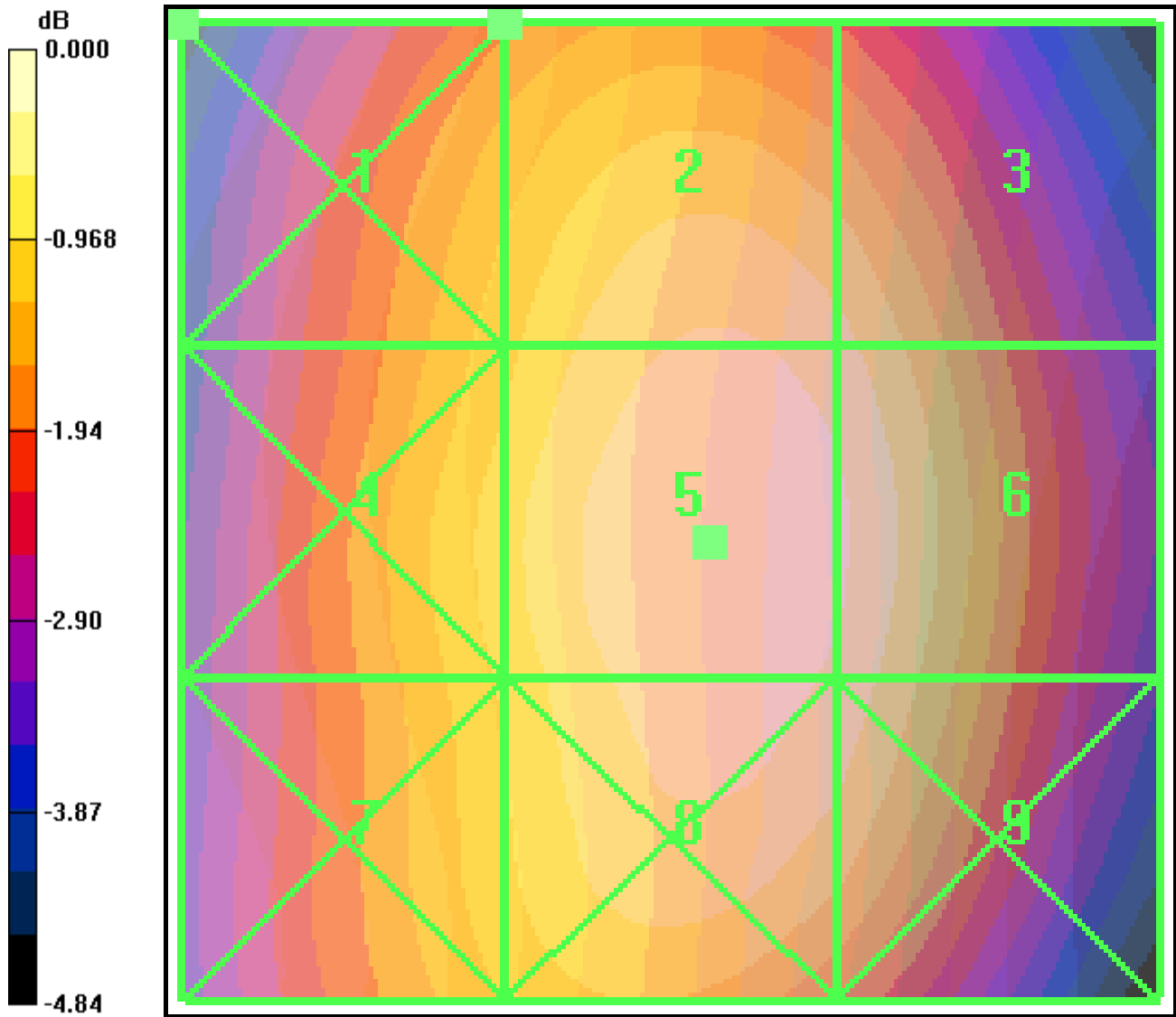
Grid 1 67.4 M4	Grid 2 73.8 M4	Grid 3 71.7 M4
Grid 4 69.8 M4	Grid 5 76.2 M4	Grid 6 74.0 M4
Grid 7 68.8 M4	Grid 8 75.2 M4	Grid 9 72.8 M4

CELL_383/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.113 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.088 A/m; Power Drift = 0.014 dB

Peak H-field in A/m

Grid 1 0.152 M4	Grid 2 0.113 M4	Grid 3 0.071 M4
Grid 4 0.140 M4	Grid 5 0.105 M4	Grid 6 0.068 M4
Grid 7 0.152 M4	Grid 8 0.109 M4	Grid 9 0.066 M4



0 dB = 76.2V/m

CDMA 800 Channel 777

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 848.31 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 66.4 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 87.1 V/m; Power Drift = -0.058 dB

Peak E-field in V/m

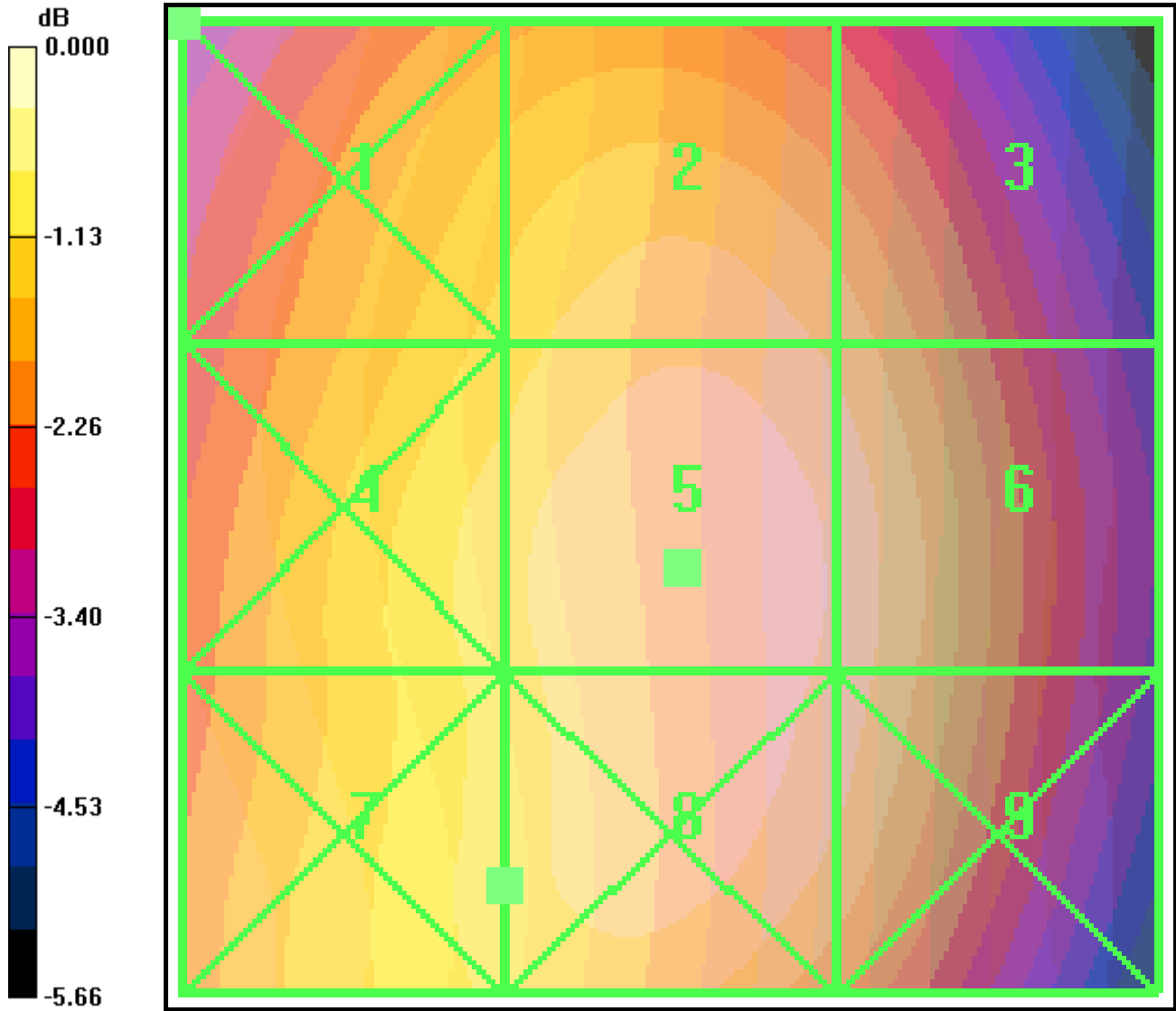
Grid 1 59.5 M4	Grid 2 63.1 M4	Grid 3 60.1 M4
Grid 4 62.7 M4	Grid 5 66.4 M4	Grid 6 63.2 M4
Grid 7 62.4 M4	Grid 8 66.0 M4	Grid 9 62.7 M4

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.120 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.098 A/m; Power Drift = 0.144 dB

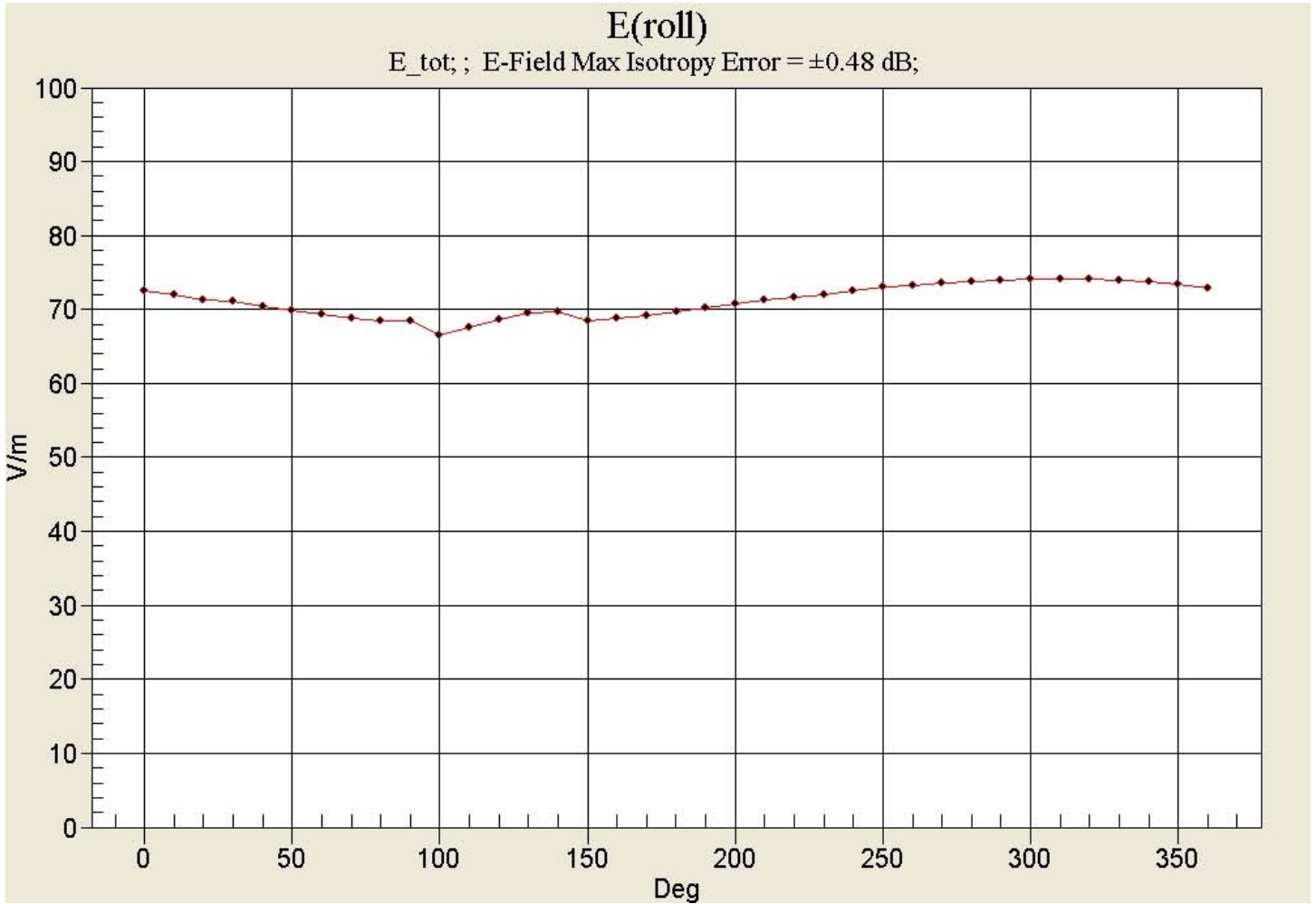
Peak H-field in A/m

Grid 1 0.164 M4	Grid 2 0.119 M4	Grid 3 0.076 M4
Grid 4 0.151 M4	Grid 5 0.115 M4	Grid 6 0.075 M4
Grid 7 0.162 M4	Grid 8 0.120 M4	Grid 9 0.074 M4



0 dB = 66.4V/m

CDMA 800 Channel 383 (360) E-Roll



CDMA 1700 Channel 25

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1711.25 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

AWS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 42.0 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 43.7 V/m; Power Drift = -0.137 dB

Peak E-field in V/m

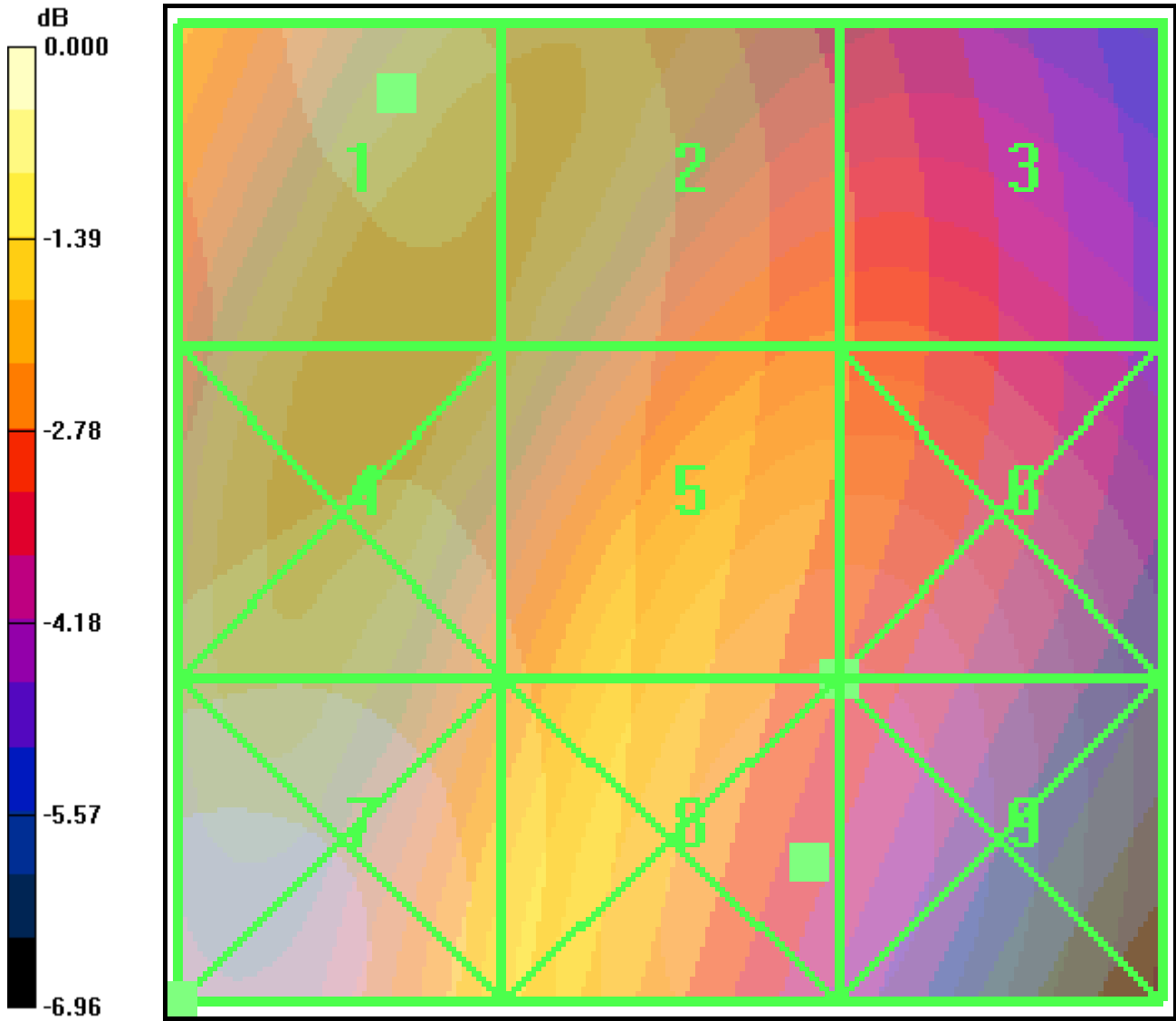
Grid 1 32.5 M4	Grid 2 32.5 M4	Grid 3 32.7 M4
Grid 4 29.3 M4	Grid 5 42.0 M4	Grid 6 42.0 M4
Grid 7 35.0 M4	Grid 8 43.9 M4	Grid 9 43.8 M4

AWS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.123 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.120 A/m; Power Drift = -0.098 dB

Peak H-field in A/m

Grid 1 0.123 M4	Grid 2 0.122 M4	Grid 3 0.102 M4
Grid 4 0.129 M4	Grid 5 0.123 M4	Grid 6 0.102 M4
Grid 7 0.146 M4	Grid 8 0.126 M4	Grid 9 0.095 M4



0 dB = 43.9V/m

CDMA 1700 Channel 450

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1732.5 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

AWS_450/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 50.9 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 52.3 V/m; Power Drift = 0.134 dB

Peak E-field in V/m

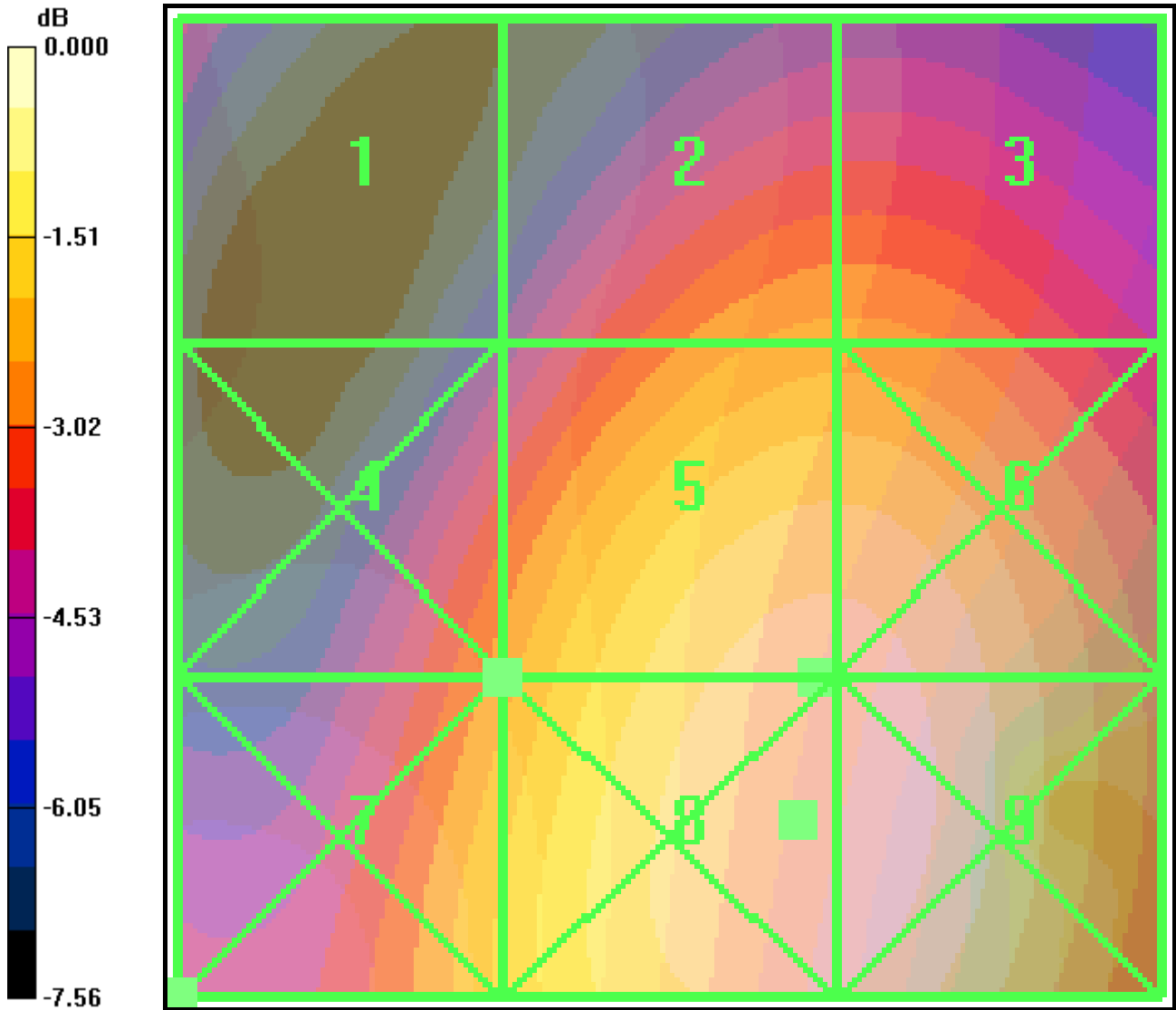
Grid 1 30.2 M4	Grid 2 40.1 M4	Grid 3 40.1 M4
Grid 4 38.1 M4	Grid 5 50.9 M4	Grid 6 50.8 M4
Grid 7 42.0 M4	Grid 8 52.2 M4	Grid 9 52.0 M4

AWS_450/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.125 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.123 A/m; Power Drift = -0.128 dB

Peak H-field in A/m

Grid 1 0.123 M4	Grid 2 0.123 M4	Grid 3 0.107 M4
Grid 4 0.133 M4	Grid 5 0.125 M4	Grid 6 0.104 M4
Grid 7 0.155 M4	Grid 8 0.131 M4	Grid 9 0.094 M4



0 dB = 52.2V/m

CDMA 1700 Channel 875

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1753.75 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

AWS_875/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.2 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 51.1 V/m; Power Drift = -0.038 dB

Peak E-field in V/m

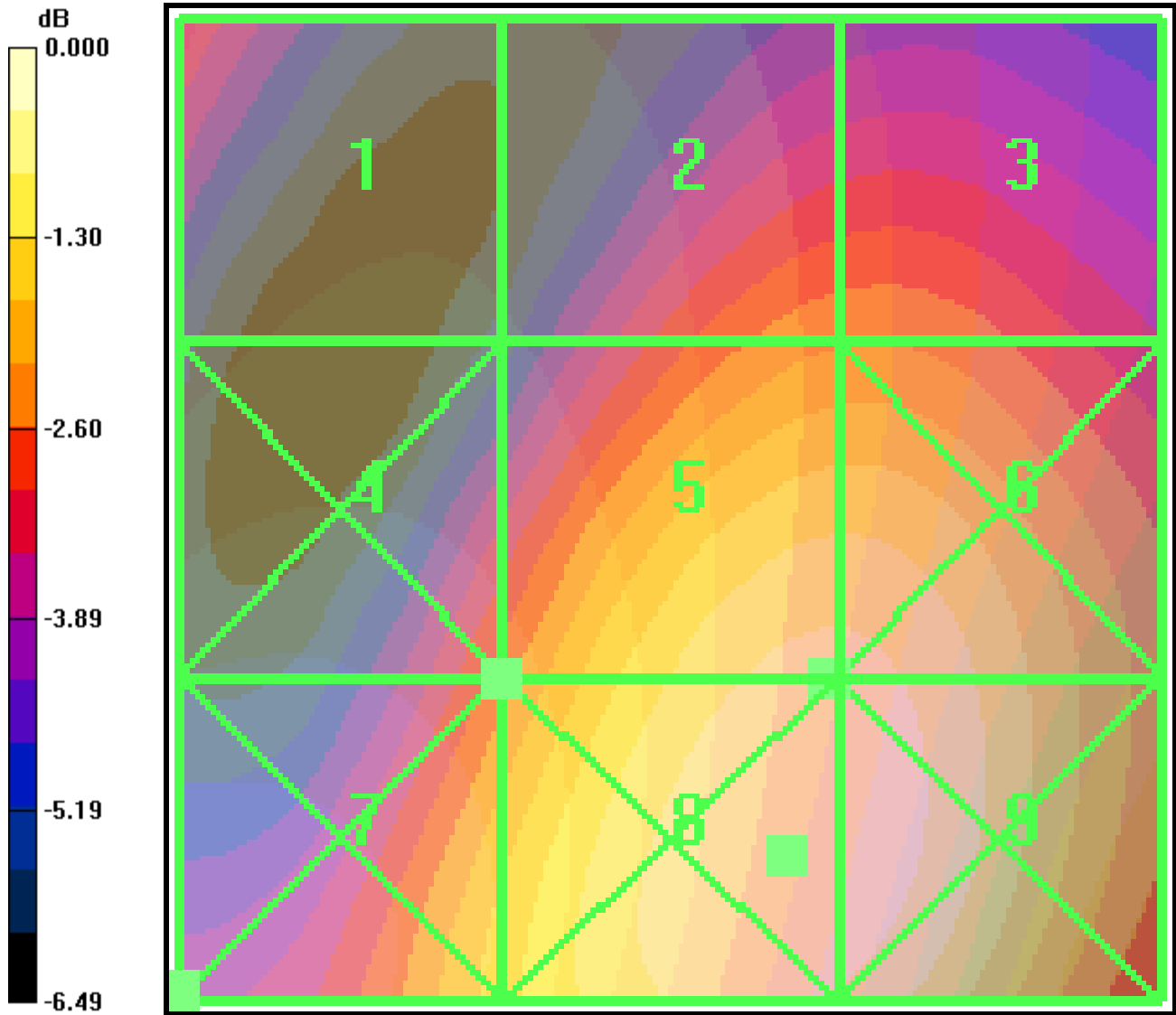
Grid 1 34.5 M4	Grid 2 39.5 M4	Grid 3 39.6 M4
Grid 4 36.9 M4	Grid 5 49.2 M4	Grid 6 49.2 M4
Grid 7 42.8 M4	Grid 8 50.8 M4	Grid 9 50.6 M4

AWS_875/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.133 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.127 A/m; Power Drift = 0.006 dB

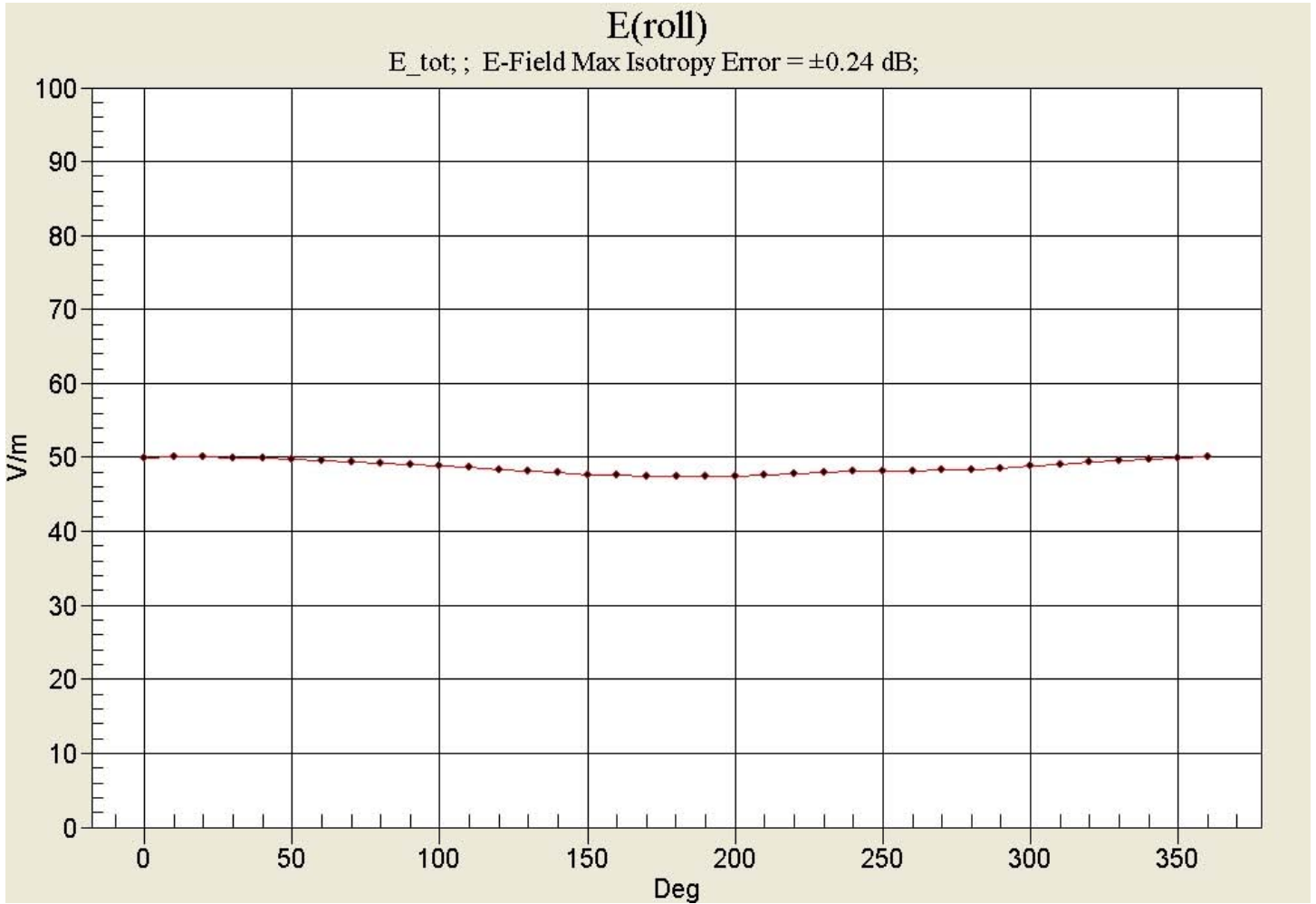
Peak H-field in A/m

Grid 1 0.123 M4	Grid 2 0.122 M4	Grid 3 0.103 M4
Grid 4 0.141 M4	Grid 5 0.133 M4	Grid 6 0.103 M4
Grid 7 0.159 M4	Grid 8 0.138 M4	Grid 9 0.099 M4



0 dB = 50.8V/m

CDMA 1700 Channel 875 (360) E-Roll



CDMA 1900 Channel 25

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1850 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 48.6 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 47.7 V/m; Power Drift = -0.038 dB

Peak E-field in V/m

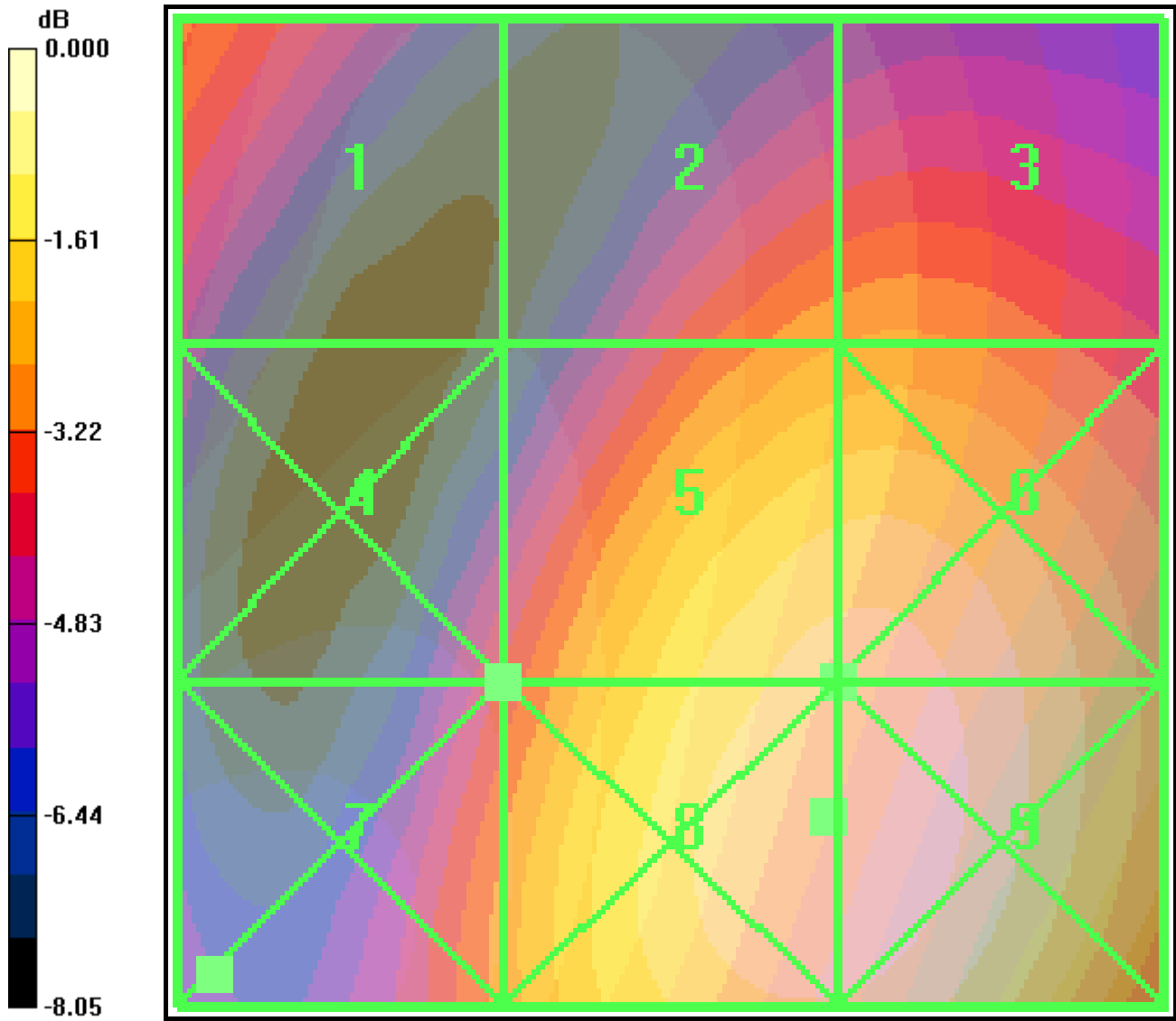
Grid 1 35.4 M4	Grid 2 36.8 M4	Grid 3 37.5 M4
Grid 4 31.0 M4	Grid 5 48.6 M4	Grid 6 48.7 M4
Grid 7 35.7 M4	Grid 8 50.1 M4	Grid 9 50.1 M4

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.156 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.153 A/m; Power Drift = 0.122 dB

Peak H-field in A/m

Grid 1 0.148 M4	Grid 2 0.148 M4	Grid 3 0.130 M4
Grid 4 0.161 M4	Grid 5 0.156 M4	Grid 6 0.130 M4
Grid 7 0.179 M4	Grid 8 0.159 M4	Grid 9 0.120 M4



0 dB = 50.1V/m

CDMA 1900 Channel 600

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 45.3 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 43.3 V/m; Power Drift = -0.122 dB

Peak E-field in V/m

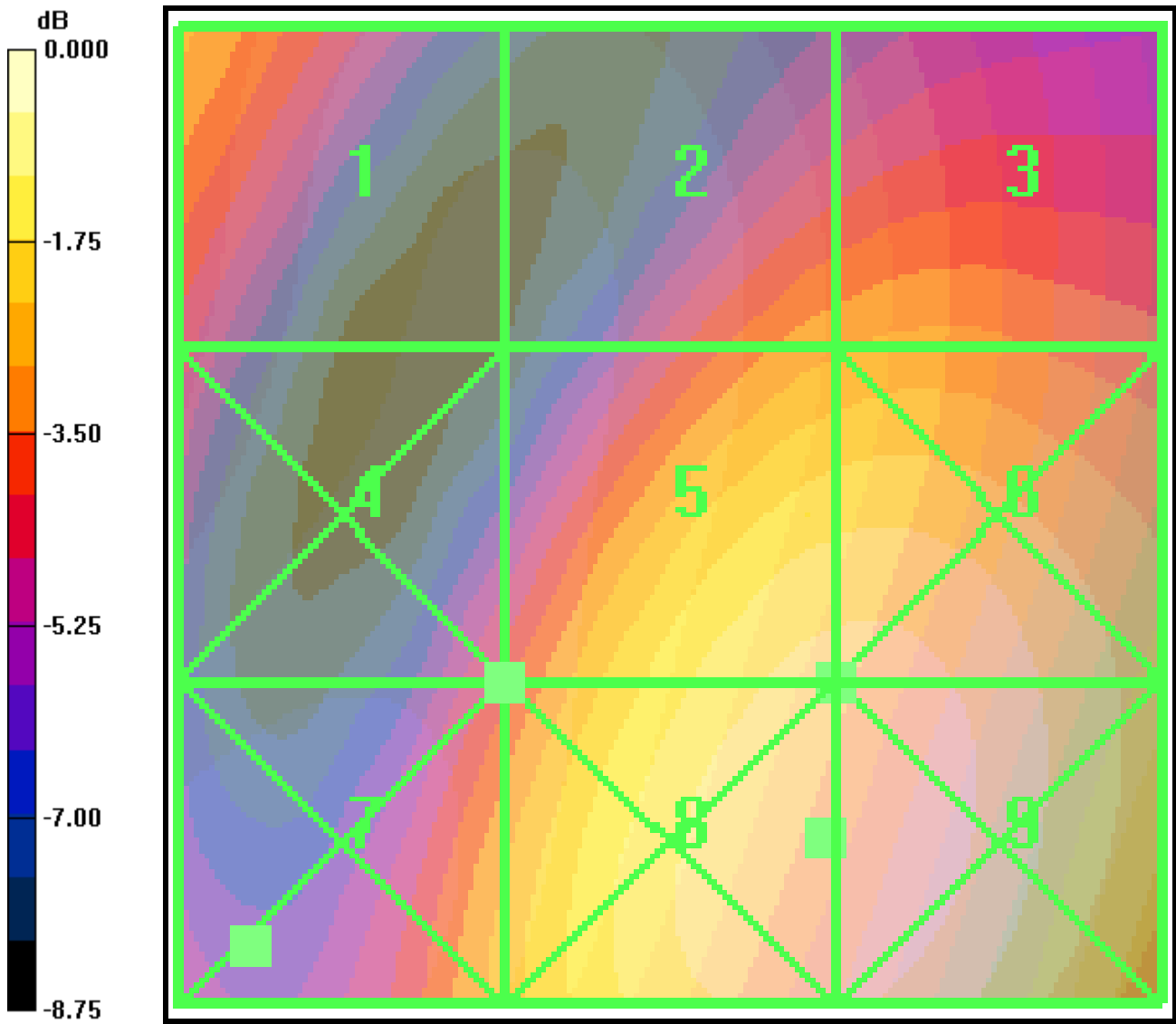
Grid 1 34.3 M4	Grid 2 33.3 M4	Grid 3 34.4 M4
Grid 4 28.7 M4	Grid 5 45.3 M4	Grid 6 45.3 M4
Grid 7 34.6 M4	Grid 8 47.0 M4	Grid 9 47.0 M4

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.145 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.147 A/m; Power Drift = -0.050 dB

Peak H-field in A/m

Grid 1 0.142 M4	Grid 2 0.142 M4	Grid 3 0.124 M4
Grid 4 0.148 M4	Grid 5 0.145 M4	Grid 6 0.124 M4
Grid 7 0.157 M4	Grid 8 0.145 M4	Grid 9 0.114 M4



0 dB = 47.0V/m

CDMA 1900 Channel 1175

Date: 6/15/2010

Communication System: CDMA_Triband, Frequency: 1910 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 8/14/2009 Calibrated: 7/16/2009
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2009
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 43.1 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 40.9 V/m; Power Drift = -0.113 dB

Peak E-field in V/m

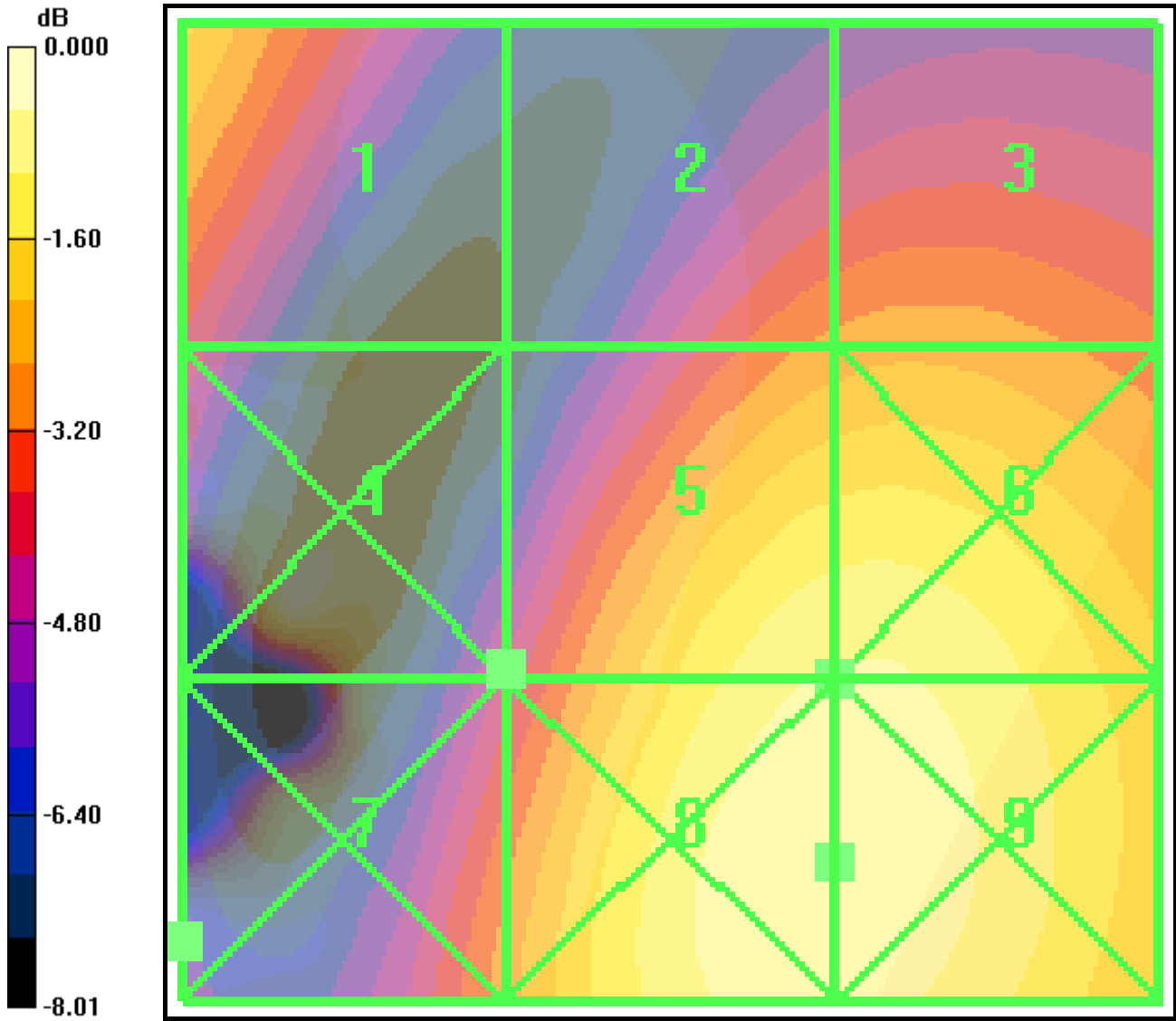
Grid 1 36.1 M4	Grid 2 32.2 M4	Grid 3 33.0 M4
Grid 4 27.9 M4	Grid 5 43.1 M4	Grid 6 43.3 M4
Grid 7 32.5 M4	Grid 8 45.5 M4	Grid 9 45.5 M4

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.139 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.137 A/m; Power Drift = -0.063 dB

Peak H-field in A/m

Grid 1 0.131 M4	Grid 2 0.132 M4	Grid 3 0.117 M4
Grid 4 0.223 M3	Grid 5 0.139 M4	Grid 6 0.117 M4
Grid 7 0.267 M3	Grid 8 0.141 M4	Grid 9 0.107 M4



0 dB = 45.5V/m

CDMA 1900 Channel 25 (360) E-Roll

