

CDMA 800 Channel 1013

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 83.9 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 106.1 V/m; Power Drift = 0.102 dB

Peak E-field in V/m

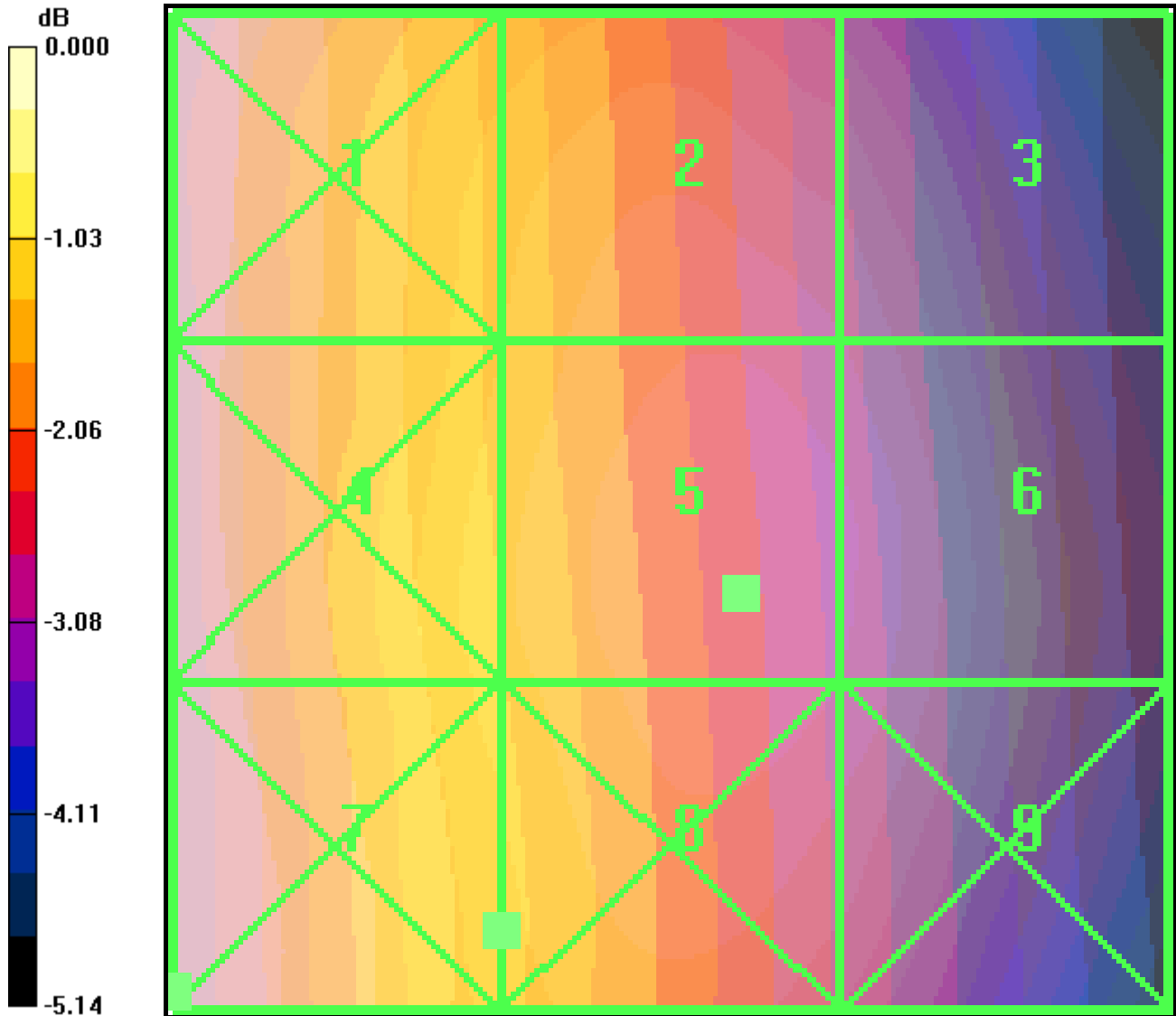
Grid 1 74.5 M4	Grid 2 80.5 M4	Grid 3 77.7 M4
Grid 4 76.9 M4	Grid 5 83.9 M4	Grid 6 81.5 M4
Grid 7 76.1 M4	Grid 8 82.8 M4	Grid 9 80.6 M4

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

Maximum value of peak Total field = 0.140 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.115 A/m; Power Drift = 0.043 dB

Peak H-field in A/m

Grid 1 0.180 M4	Grid 2 0.133 M4	Grid 3 0.088 M4
Grid 4 0.179 M4	Grid 5 0.137 M4	Grid 6 0.091 M4
Grid 7 0.185 M4	Grid 8 0.140 M4	Grid 9 0.091 M4



0 dB = 83.9V/m

CDMA 800 Channel 383

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 73.5 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 95.6 V/m; Power Drift = 0.158 dB

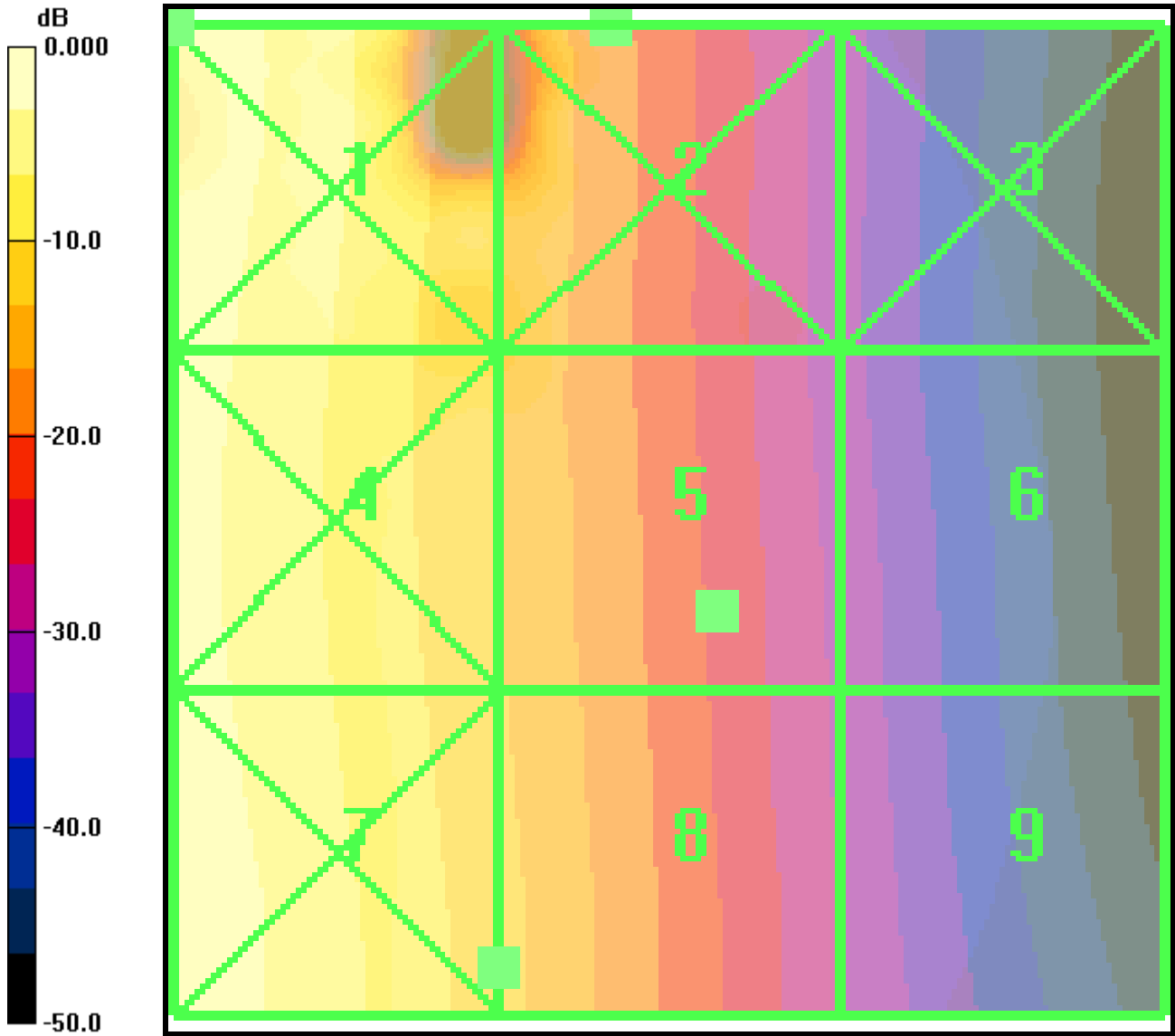
Peak E-field in V/m

Grid 1 75.7 M4	Grid 2 86.1 M4	Grid 3 67.6 M4
Grid 4 65.7 M4	Grid 5 73.5 M4	Grid 6 71.5 M4
Grid 7 64.9 M4	Grid 8 72.9 M4	Grid 9 70.9 M4

CELL_383/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 = -0.128 dB

Peak H-field in A/m

Grid 1 0.164 M4	Grid 2 0.117 M4	Grid 3 0.073 M4
Grid 4 0.158 M4	Grid 5 0.117 M4	Grid 6 0.075 M4
Grid 7 0.161 M4	Grid 8 0.120 M4	Grid 9 0.076 M4



0 dB = 86.1V/m

CDMA 800 Channel 777

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 80.1 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 99.8 V/m; Power Drift = 0.070 dB

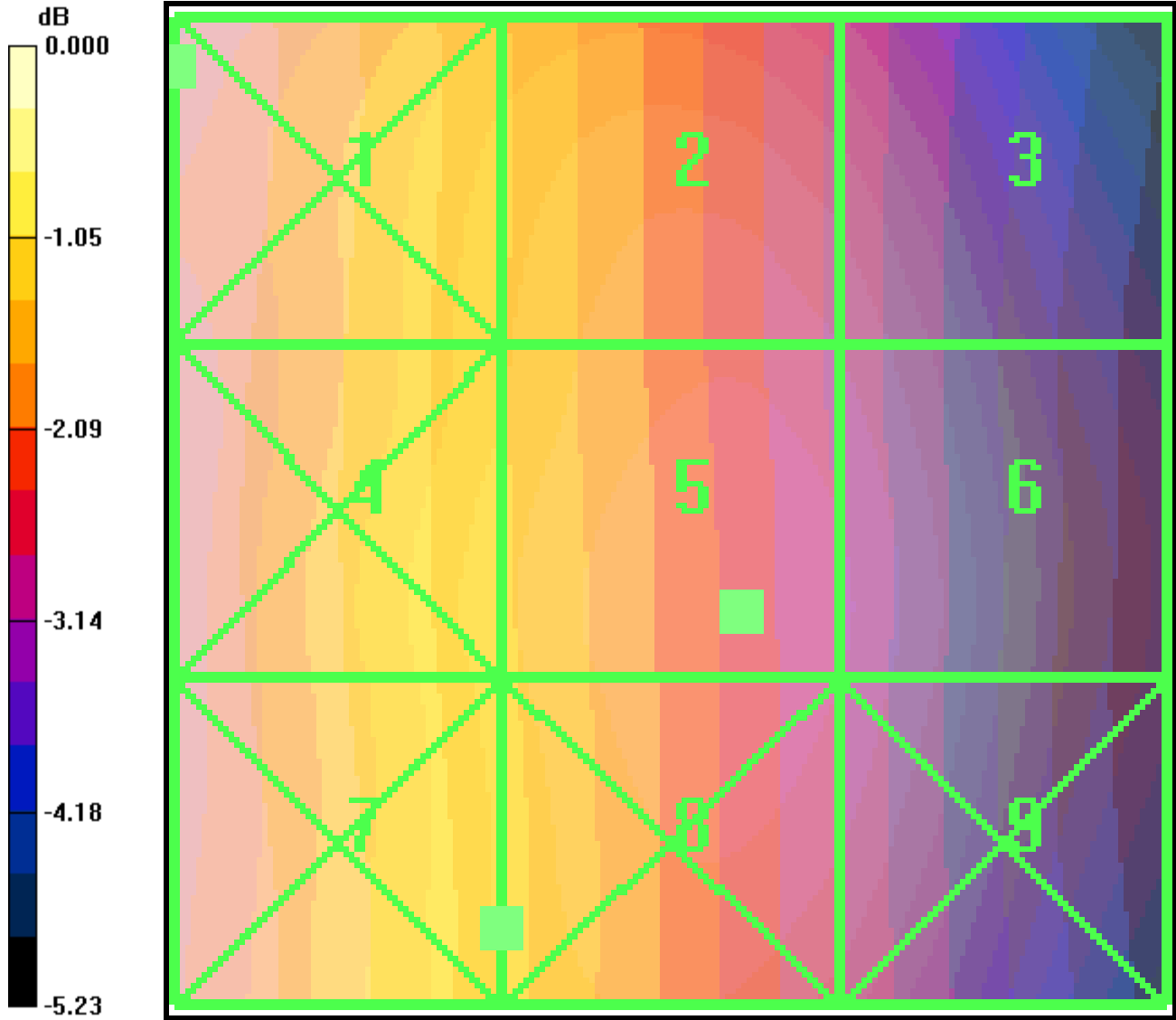
Peak E-field in V/m

Grid 1 70.6 M4	Grid 2 76.4 M4	Grid 3 73.8 M4
Grid 4 73.3 M4	Grid 5 80.1 M4	Grid 6 77.7 M4
Grid 7 72.6 M4	Grid 8 79.5 M4	Grid 9 76.9 M4

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.117 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.097 A/m; Power Drift = 0.028 dB

Peak H-field in A/m

Grid 1 0.158 M4	Grid 2 0.115 M4	Grid 3 0.074 M4
Grid 4 0.154 M4	Grid 5 0.115 M4	Grid 6 0.075 M4
Grid 7 0.157 M4	Grid 8 0.117 M4	Grid 9 0.075 M4



0 dB = 80.1V/m

CDMA 800 Channel 1013 360 degrees

Date: 1/05/2010

Communication System: CDMA_Triband, Frequency: 836.49 MHz 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 Sn530, Calibrated: 3/12/2009
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 (360 degree)/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 76.5 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 98.5 V/m; Power Drift = -0.185 dB

Peak E-field in V/m

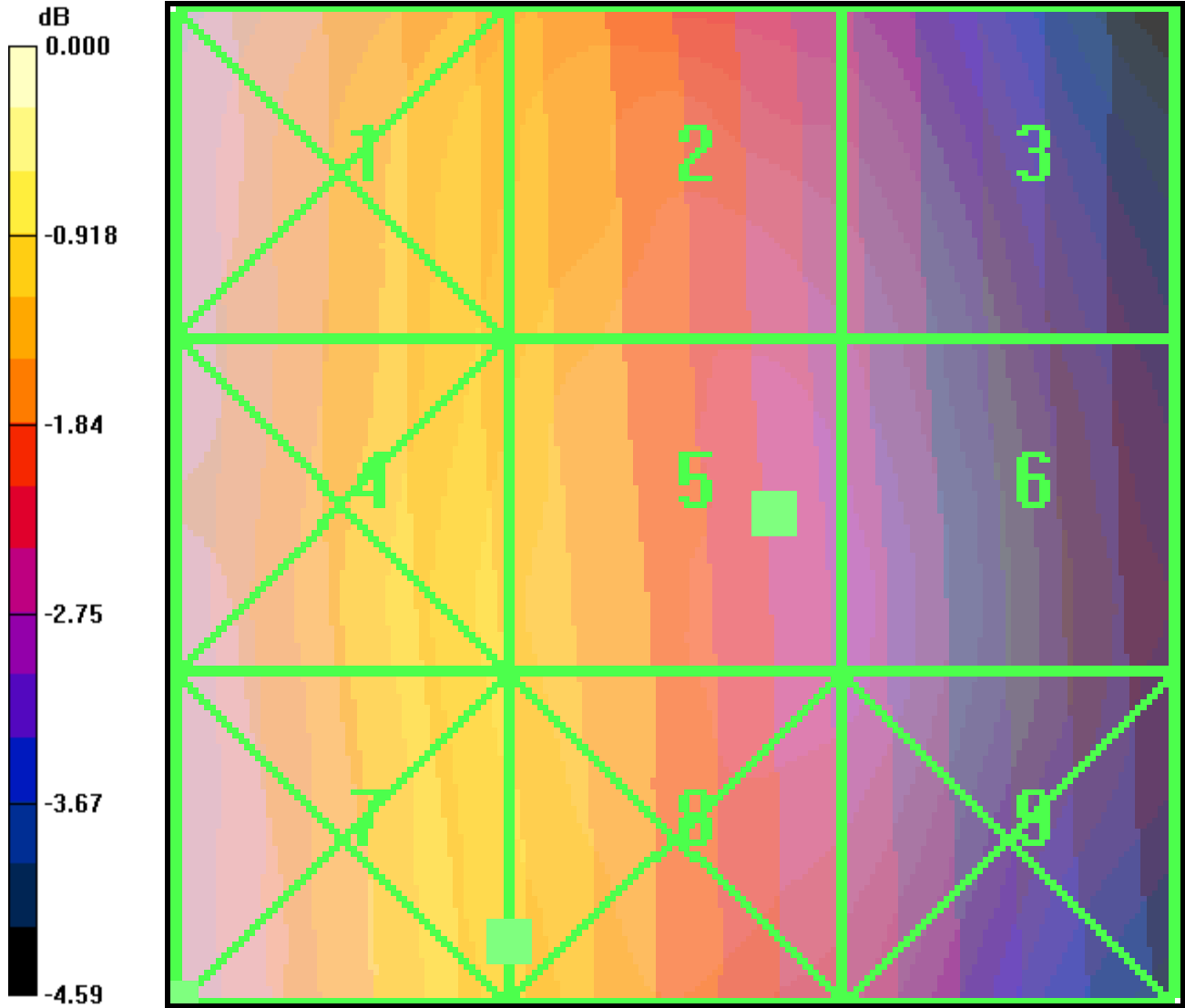
Grid 1 67.8 M4	Grid 2 73.7 M4	Grid 3 71.6 M4
Grid 4 70.3 M4	Grid 5 76.5 M4	Grid 6 75.2 M4
Grid 7 69.9 M4	Grid 8 75.1 M4	Grid 9 74.8 M4

CELL_1013 (360 degree)/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

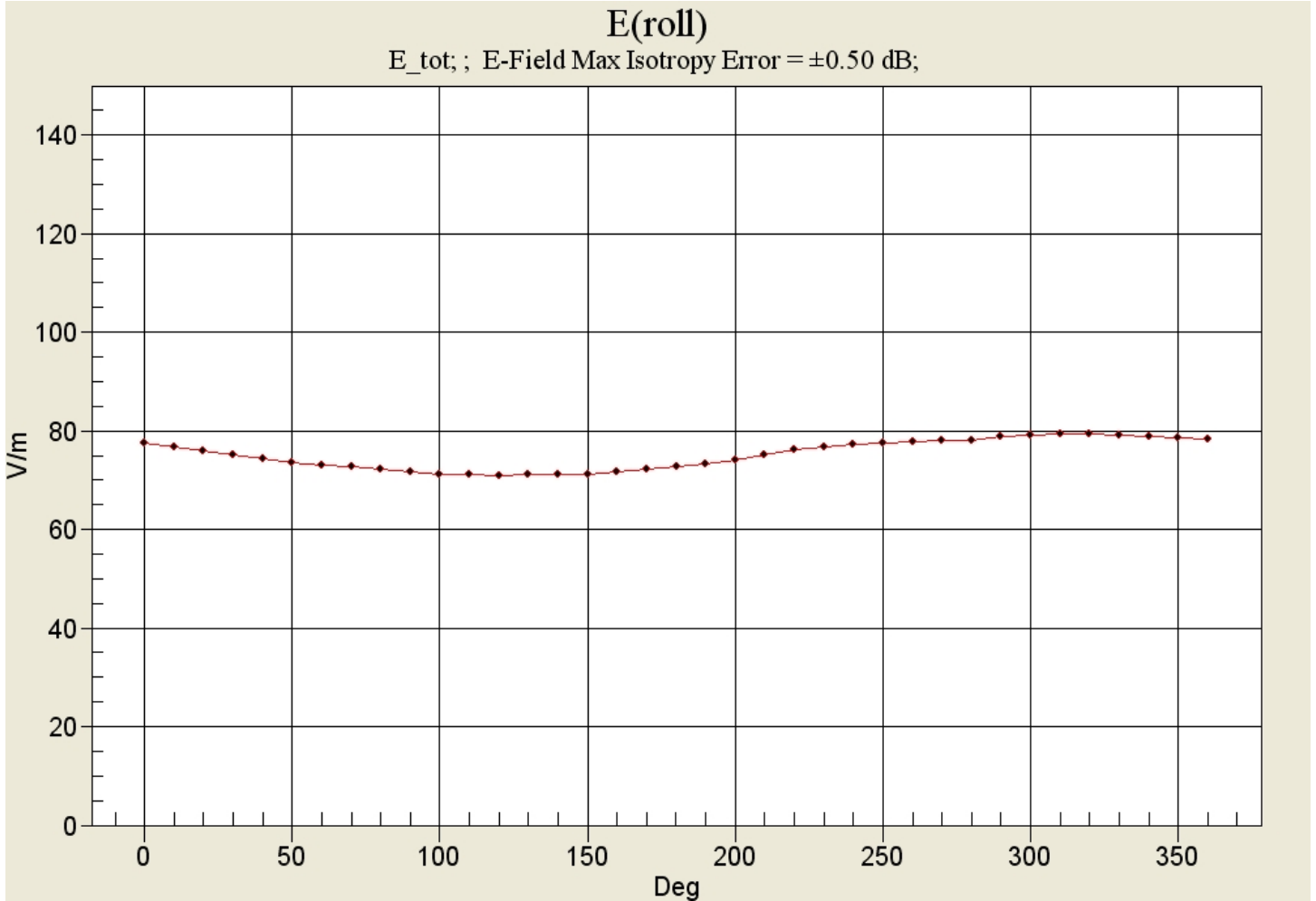
Maximum value of peak Total field = 0.140 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.113 A/m; Power Drift = 0.103 dB

Peak H-field in A/m

Grid 1 0.182 M4	Grid 2 0.133 M4	Grid 3 0.088 M4
Grid 4 0.180 M4	Grid 5 0.136 M4	Grid 6 0.090 M4
Grid 7 0.187 M4	Grid 8 0.140 M4	Grid 9 0.091 M4



0 dB = 76.5V/m



CDMA 1700 Channel 25

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 39.0 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 31.7 V/m; Power Drift = -0.047 dB

Peak E-field in V/m

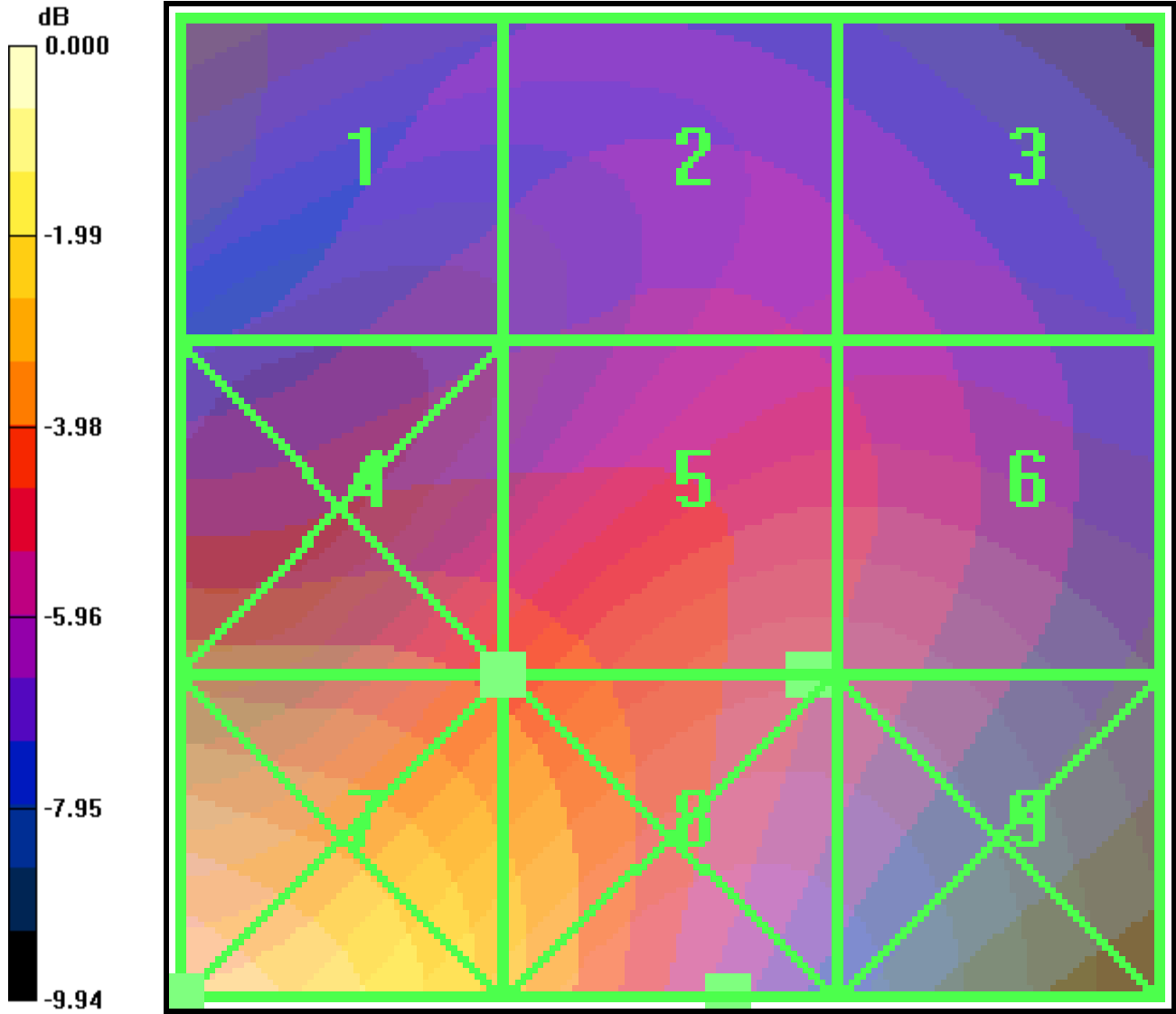
Grid 1 31.1 M4	Grid 2 26.0 M4	Grid 3 26.3 M4
Grid 4 29.2 M4	Grid 5 39.0 M4	Grid 6 38.8 M4
Grid 7 43.9 M4	Grid 8 49.6 M4	Grid 9 47.8 M4

AWS_25/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 = 0.114 A/m; Power Drift = 0.020 dB

Peak H-field in A/m

Grid 1 0.100 M4	Grid 2 0.102 M4	Grid 3 0.100 M4
Grid 4 0.118 M4	Grid 5 0.113 M4	Grid 6 0.102 M4
Grid 7 0.148 M4	Grid 8 0.122 M4	Grid 9 0.100 M4



0 dB = 49.6V/m

CDMA 1700 Channel 450

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 Sn530, Calibrated: 3/12/2009
 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 = 44.9 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 34.0 V/m; Power Drift = 0.289 dB

Peak E-field in V/m

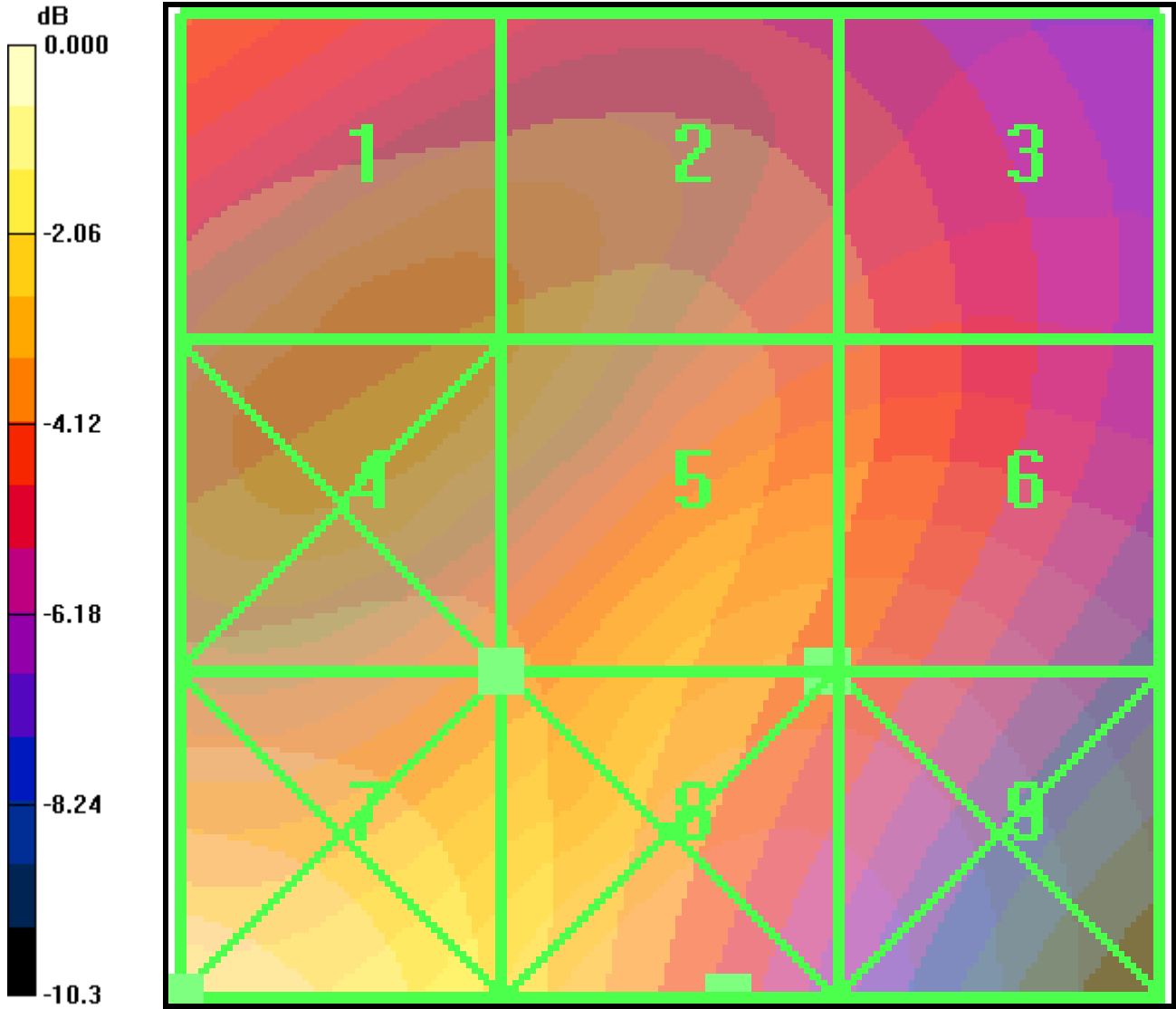
Grid 1 35.3 M4	Grid 2 28.7 M4	Grid 3 30.1 M4
Grid 4 31.5 M4	Grid 5 44.9 M4	Grid 6 44.9 M4
Grid 7 47.6 M4	Grid 8 55.4 M4	Grid 9 53.9 M4

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

Maximum value of peak Total field = 0.127 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.135 A/m; Power Drift = 0.067 dB

Peak H-field in A/m

Grid 1 0.121 M4	Grid 2 0.122 M4	Grid 3 0.116 M4
Grid 4 0.128 M4	Grid 5 0.127 M4	Grid 6 0.117 M4
Grid 7 0.153 M4	Grid 8 0.130 M4	Grid 9 0.110 M4



0 dB = 55.4V/m

CDMA 1700 Channel 875

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 34.6 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 26.9 V/m; Power Drift = -0.044 dB

Peak E-field in V/m

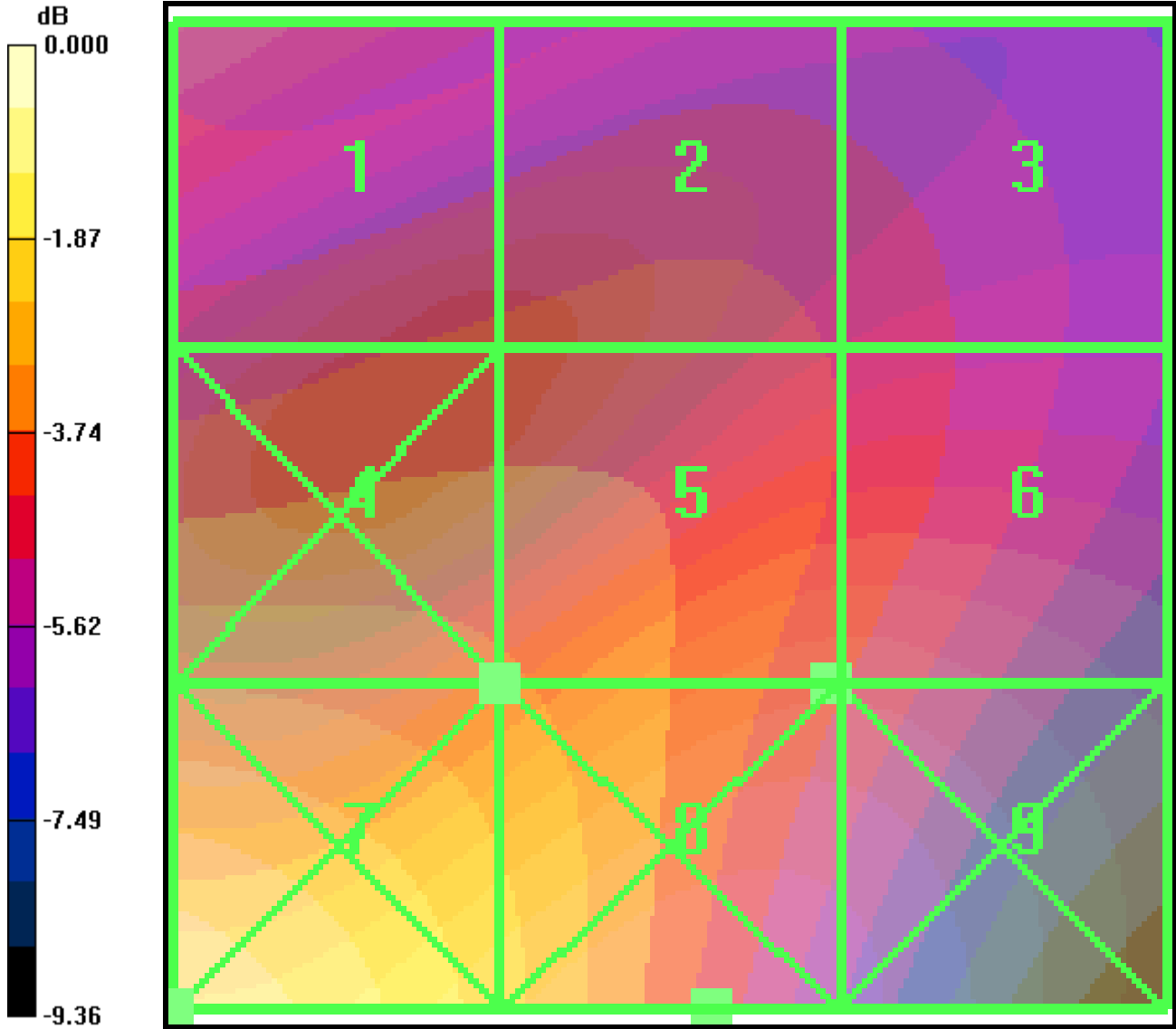
Grid 1 31.1 M4	Grid 2 24.8 M4	Grid 3 22.8 M4
Grid 4 25.9 M4	Grid 5 34.6 M4	Grid 6 34.6 M4
Grid 7 40.3 M4	Grid 8 43.8 M4	Grid 9 42.0 M4

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

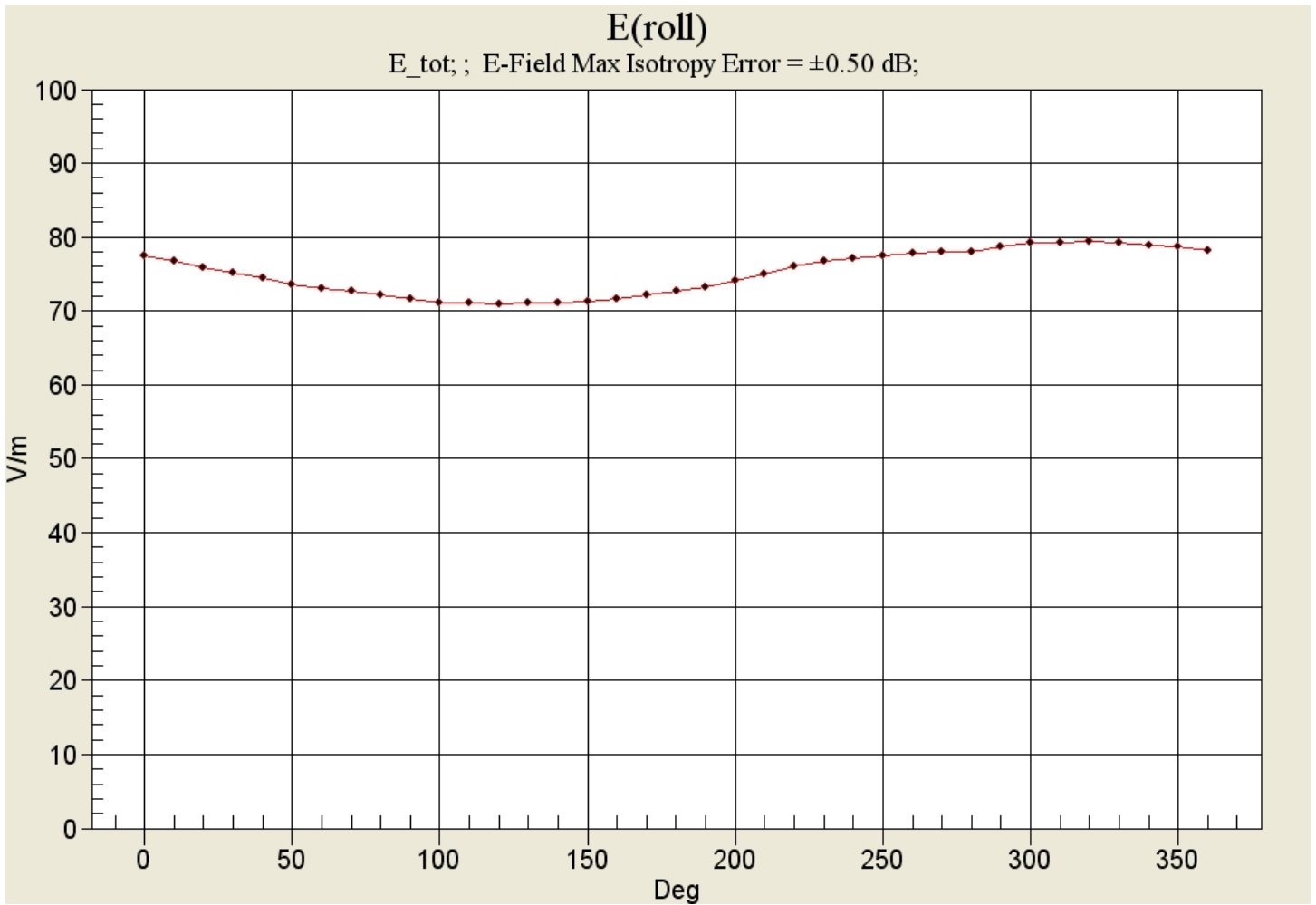
Maximum value of peak Total field = 0.107 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.112 A/m; Power Drift = -0.025 dB

Peak H-field in A/m

Grid 1 0.096 M4	Grid 2 0.097 M4	Grid 3 0.094 M4
Grid 4 0.112 M4	Grid 5 0.107 M4	Grid 6 0.095 M4
Grid 7 0.139 M4	Grid 8 0.114 M4	Grid 9 0.090 M4



0 dB = 43.8V/m



CDMA 1900 Channel 25

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 34.0 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 24.8 V/m; Power Drift = -0.125 dB

Peak E-field in V/m

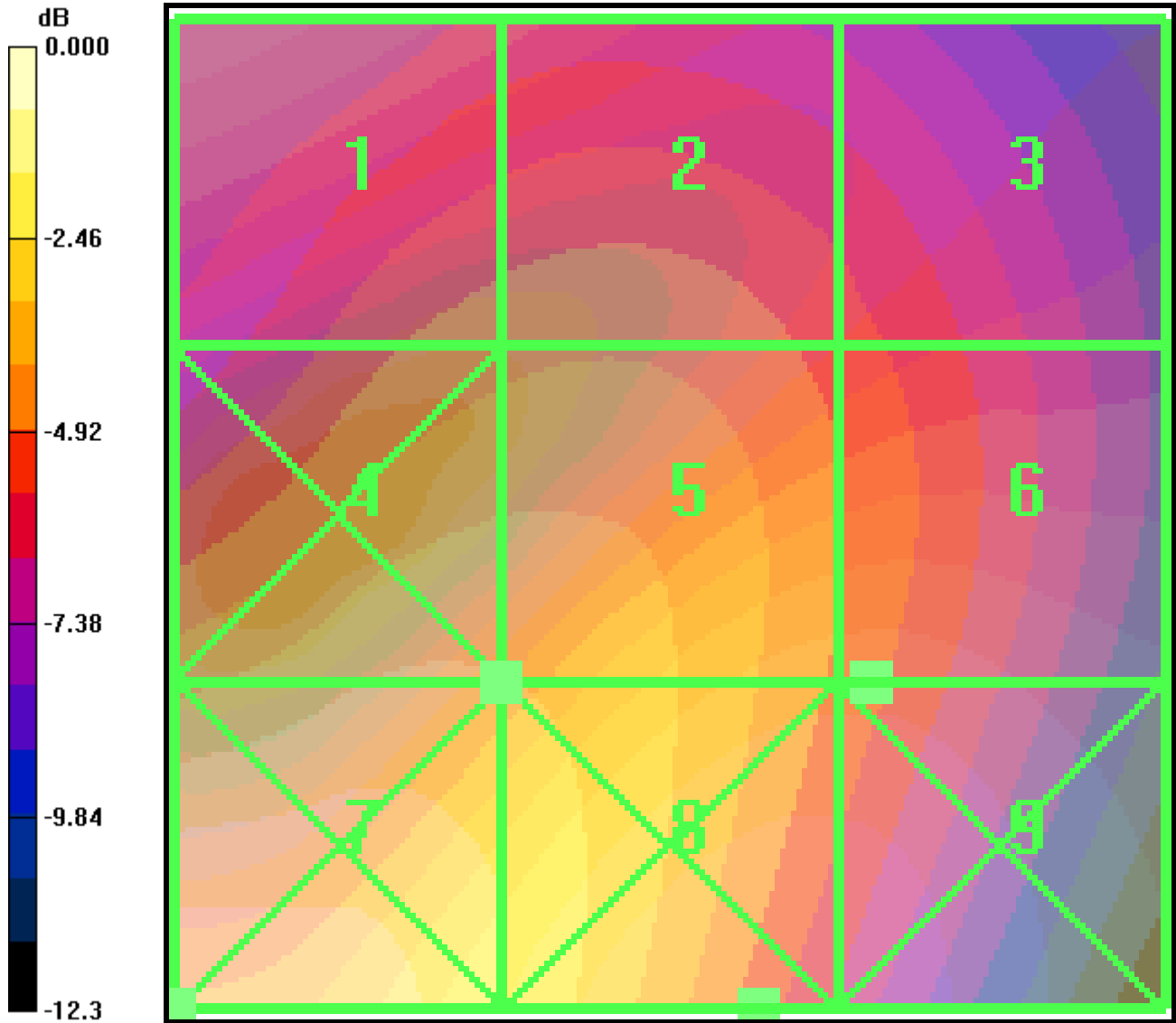
Grid 1 31.5 M4	Grid 2 25.2 M4	Grid 3 23.4 M4
Grid 4 21.8 M4	Grid 5 34.0 M4	Grid 6 34.0 M4
Grid 7 35.0 M4	Grid 8 42.4 M4	Grid 9 41.7 M4

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

Maximum value of peak Total field = 0.119 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.124 A/m; Power Drift = -0.029 dB

Peak H-field in A/m

Grid 1 0.106 M4	Grid 2 0.108 M4	Grid 3 0.101 M4
Grid 4 0.120 M4	Grid 5 0.119 M4	Grid 6 0.104 M4
Grid 7 0.137 M4	Grid 8 0.125 M4	Grid 9 0.102 M4



0 dB = 42.4V/m

CDMA 1900 Channel 600

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 28.9 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 19.6 V/m; Power Drift = 0.080 dB

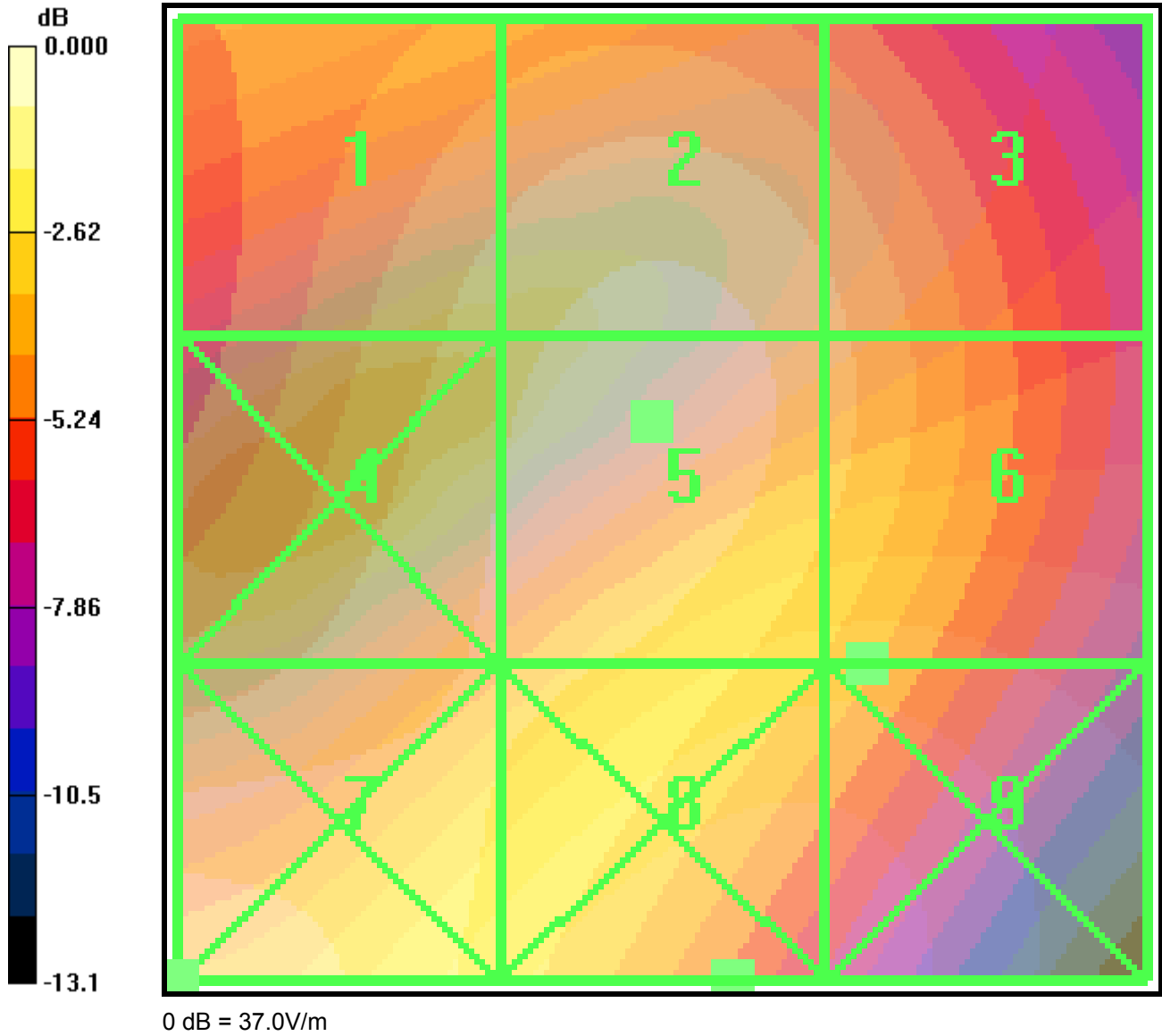
Peak E-field in V/m

Grid 1 25.7 M4	Grid 2 21.4 M4	Grid 3 20.2 M4
Grid 4 19.6 M4	Grid 5 28.8 M4	Grid 6 28.9 M4
Grid 7 32.4 M4	Grid 8 37.0 M4	Grid 9 36.1 M4

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.097 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.106 A/m; Power Drift = -0.014 dB

Peak H-field in A/m

Grid 1 0.093 M4	Grid 2 0.096 M4	Grid 3 0.091 M4
Grid 4 0.095 M4	Grid 5 0.097 M4	Grid 6 0.092 M4
Grid 7 0.103 M4	Grid 8 0.095 M4	Grid 9 0.086 M4



CDMA 1900 Channel 1175

Date: 1/05/2010

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 Sn530, Calibrated: 3/12/2009
 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 = 26.3 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 16.0 V/m; Power Drift = 0.171 dB

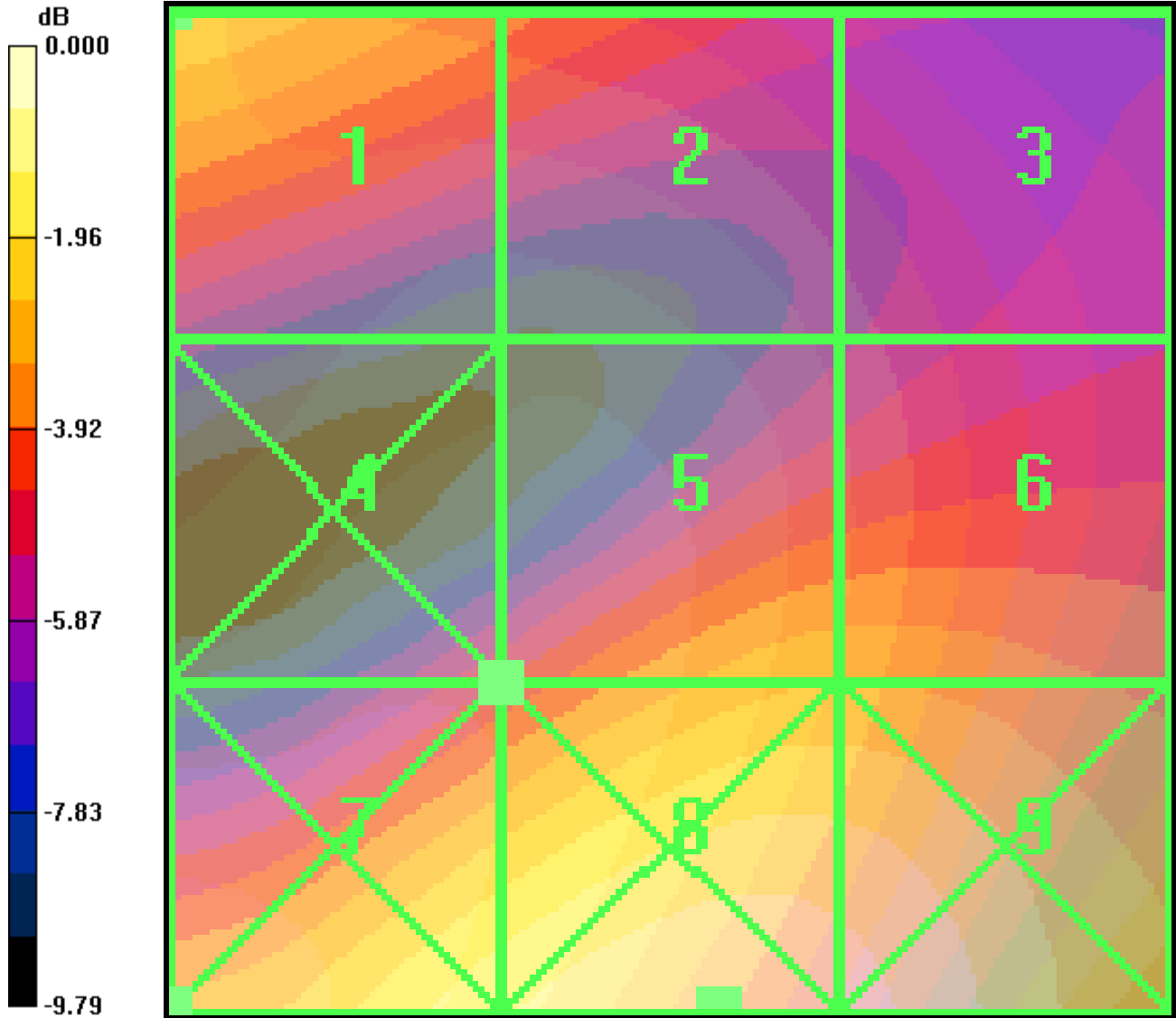
Peak E-field in V/m

Grid 1 26.3 M4	Grid 2 22.1 M4	Grid 3 18.3 M4
Grid 4 18.3 M4	Grid 5 24.7 M4	Grid 6 24.7 M4
Grid 7 30.7 M4	Grid 8 33.4 M4	Grid 9 32.2 M4

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.092 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.097 A/m; Power Drift = 0.122 dB

Peak H-field in A/m

Grid 1 0.086 M4	Grid 2 0.086 M4	Grid 3 0.077 M4
Grid 4 0.092 M4	Grid 5 0.092 M4	Grid 6 0.080 M4
Grid 7 0.102 M4	Grid 8 0.092 M4	Grid 9 0.078 M4



0 dB = 33.4V/m

