CDMA 800 Channel 1013 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 824.7 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9//2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 45.4 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 58.5 V/m; Power Drift = 0.056 dB

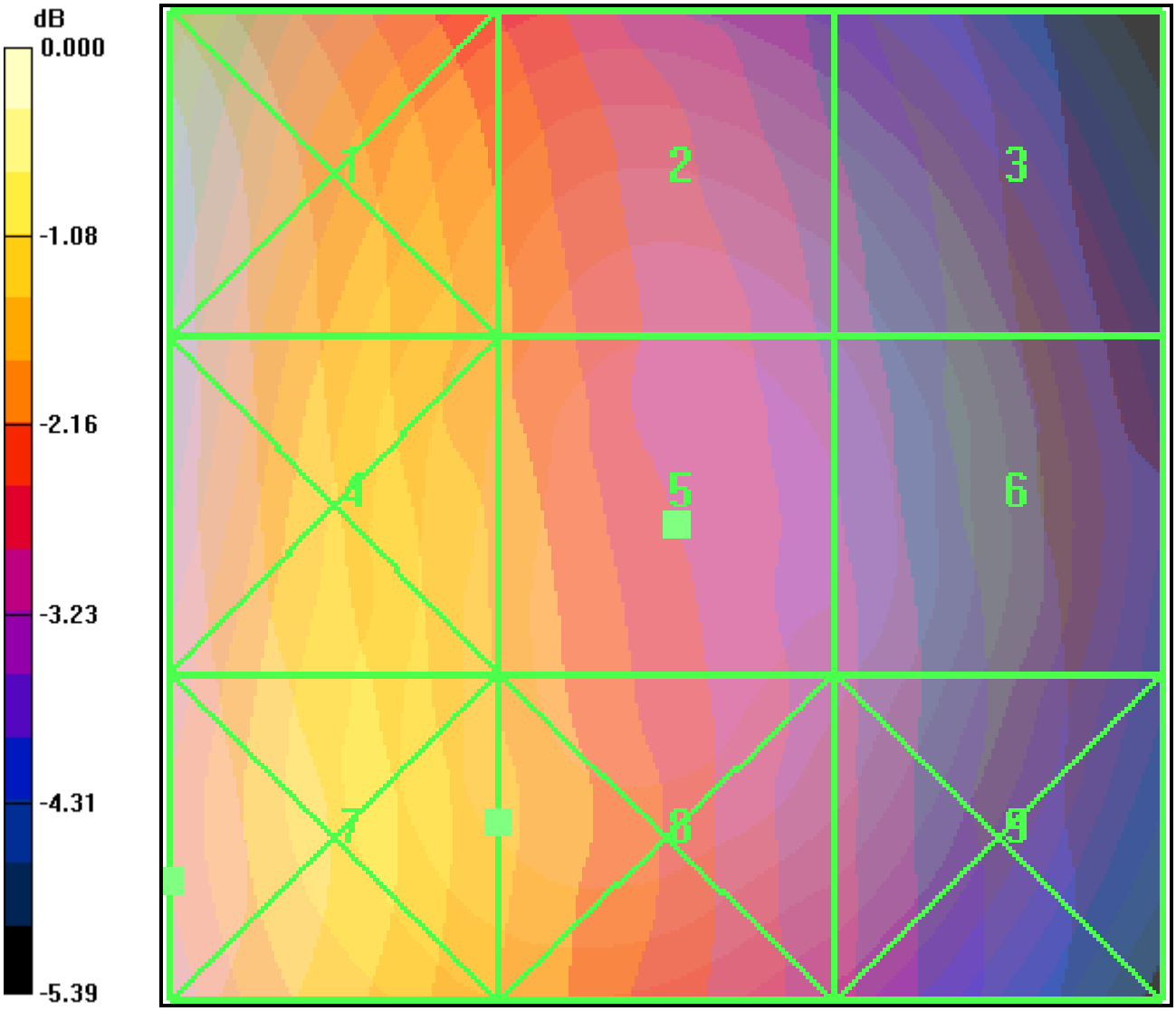
Peak E-field in V/m

Grid 1 **40.8 M4**	Grid 2 **43.6 M4**	Grid 3 **41.8 M4**
Grid 4 **42.8 M4**	Grid 5 **45.4 M4**	Grid 6 **43.8 M4**
Grid 7 **42.7 M4**	Grid 8 **44.8 M4**	Grid 9 **42.4 M4**

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.091 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.078 A/m; Power Drift = -0.024 dB

Peak H-field in A/m

Grid 1 **0.117 M4**	Grid 2 **0.086 M4**	Grid 3 **0.066 M4**
Grid 4 **0.118 M4**	Grid 5 **0.089 M4**	Grid 6 **0.068 M4**
Grid 7 **0.120 M4**	Grid 8 **0.091 M4**	Grid 9 **0.068 M4**



0 dB = 45.4V/m

CDMA 800 Channel 383 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CELL_383/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 61.2 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 76.8 V/m; Power Drift = -0.106 dB

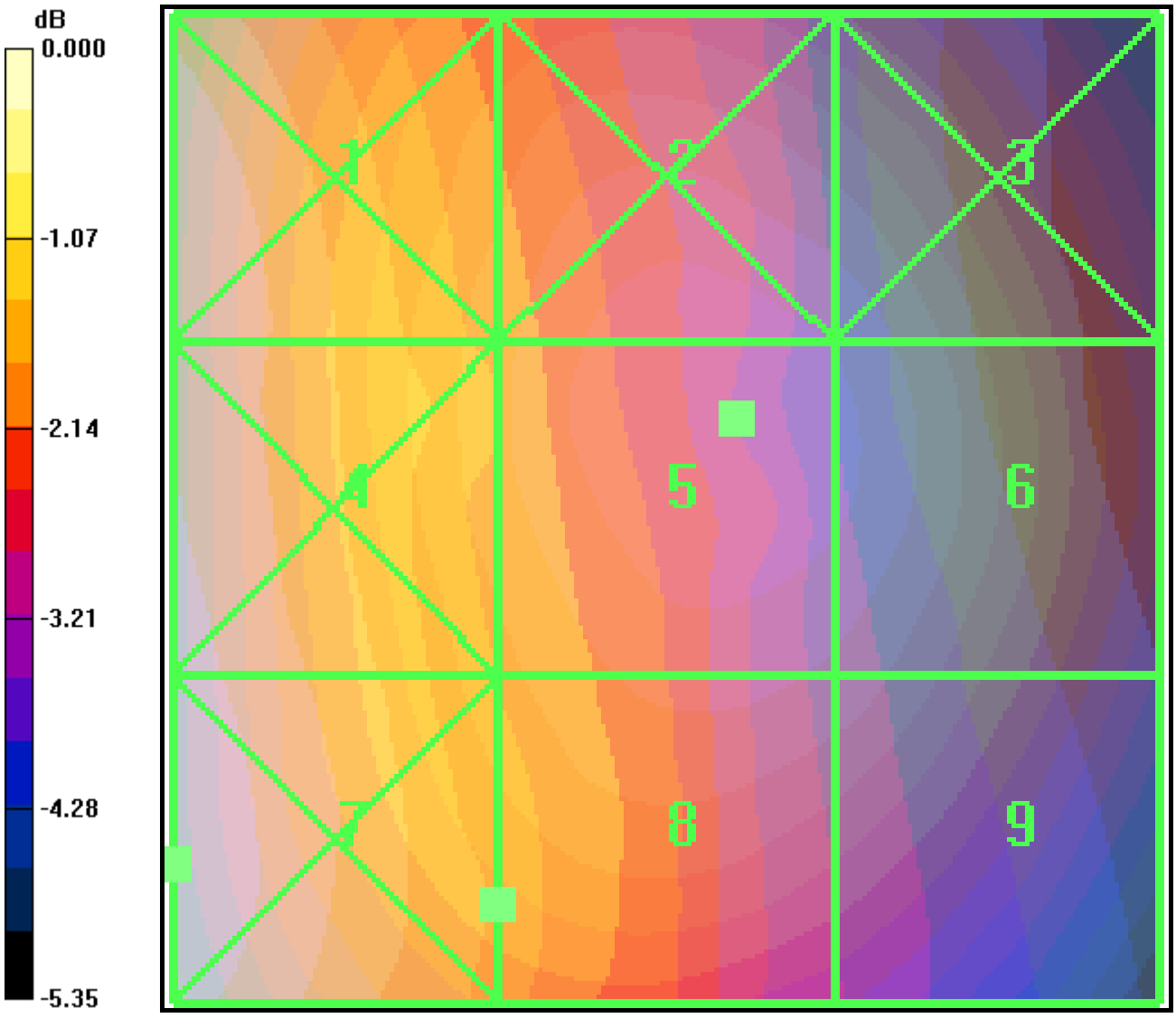
Peak E-field in V/m

Grid 1 **55.6 M4**	Grid 2 **60.2 M4**	Grid 3 **58.5 M4**
Grid 4 **55.9 M4**	Grid 5 **61.2 M4**	Grid 6 **59.6 M4**
Grid 7 **53.3 M4**	Grid 8 **57.2 M4**	Grid 9 **55.8 M4**

CELL_383/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.102 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.086 A/m; Power Drift = 0.087 dB

Peak H-field in A/m

Grid 1 **0.125 M4**	Grid 2 **0.094 M4**	Grid 3 **0.066 M4**
Grid 4 **0.128 M4**	Grid 5 **0.097 M4**	Grid 6 **0.069 M4**
Grid 7 **0.132 M4**	Grid 8 **0.102 M4**	Grid 9 **0.071 M4**



0 dB = 61.2V/m

CDMA 800 Channel 777 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
nsor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9/2011
Requirementt SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 52.7 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 67.2 V/m; Power Drift = -0.067 dB

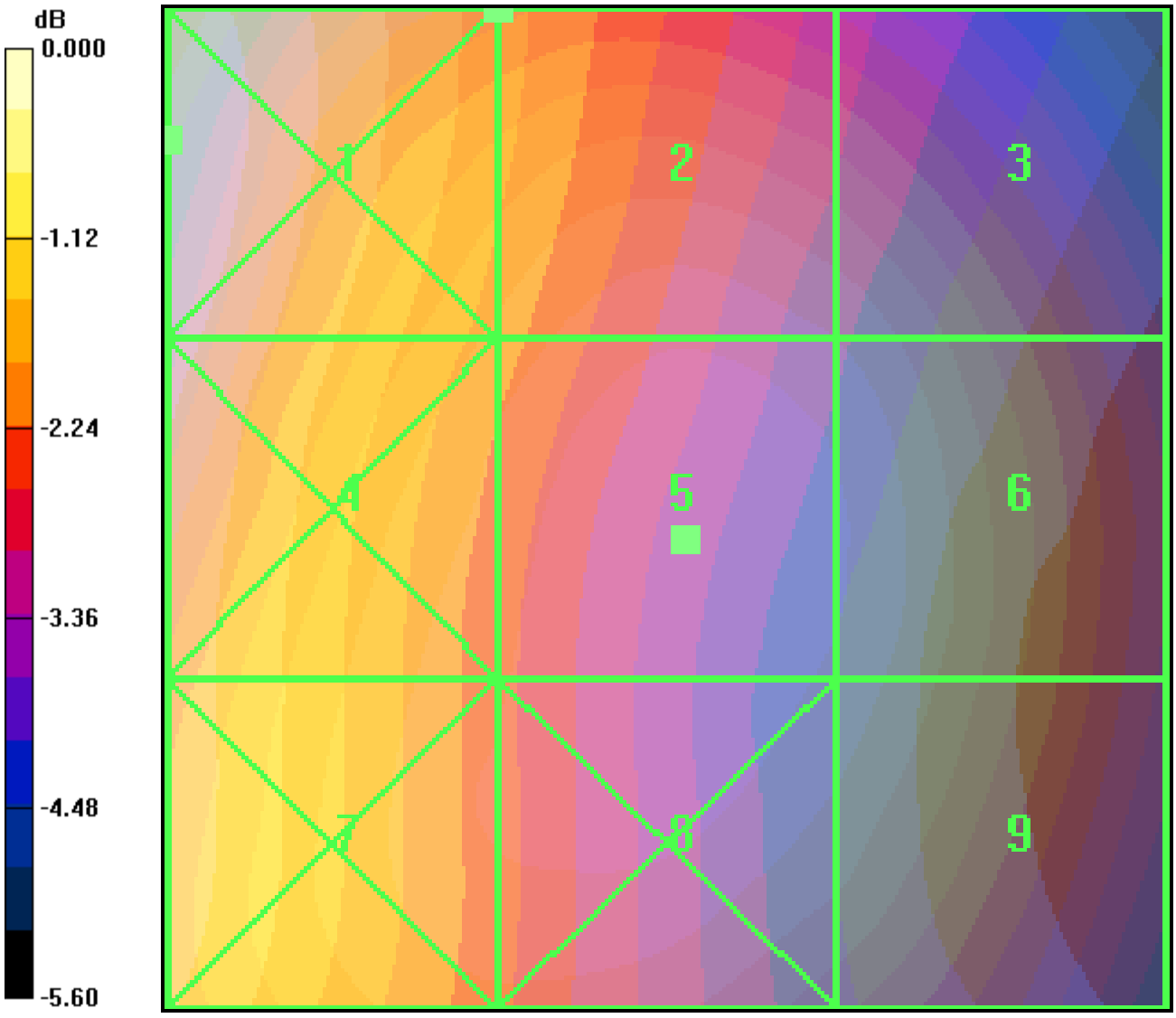
Peak E-field in V/m

Grid 1 **46.9 M4**	Grid 2 **50.3 M4**	Grid 3 **48.4 M4**
Grid 4 **50.3 M4**	Grid 5 **52.7 M4**	Grid 6 **50.8 M4**
Grid 7 **50.8 M4**	Grid 8 **52.3 M4**	Grid 9 **50.0 M4**

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.079 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.060 A/m; Power Drift = -0.024 dB

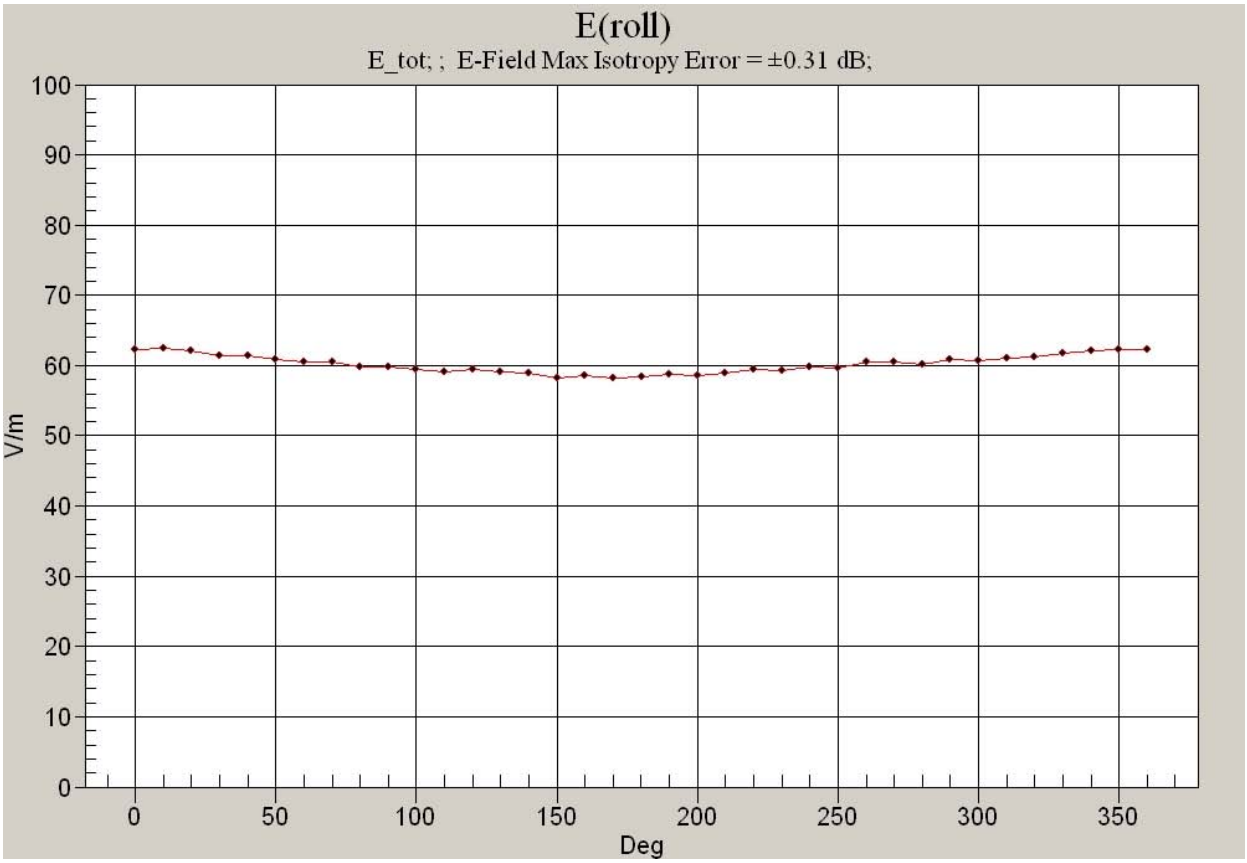
Peak H-field in A/m

Grid 1 **0.108 M4**	Grid 2 **0.079 M4**	Grid 3 **0.056 M4**
Grid 4 **0.104 M4**	Grid 5 **0.073 M4**	Grid 6 **0.051 M4**
Grid 7 **0.099 M4**	Grid 8 **0.068 M4**	Grid 9 **0.047 M4**



0 dB = 52.7V/m

CDMA 800 Channel 1013 (360) E roll



CDMA 1900 Channel 25 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 1850 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 36.5 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 46.8 V/m; Power Drift = 0.042 dB

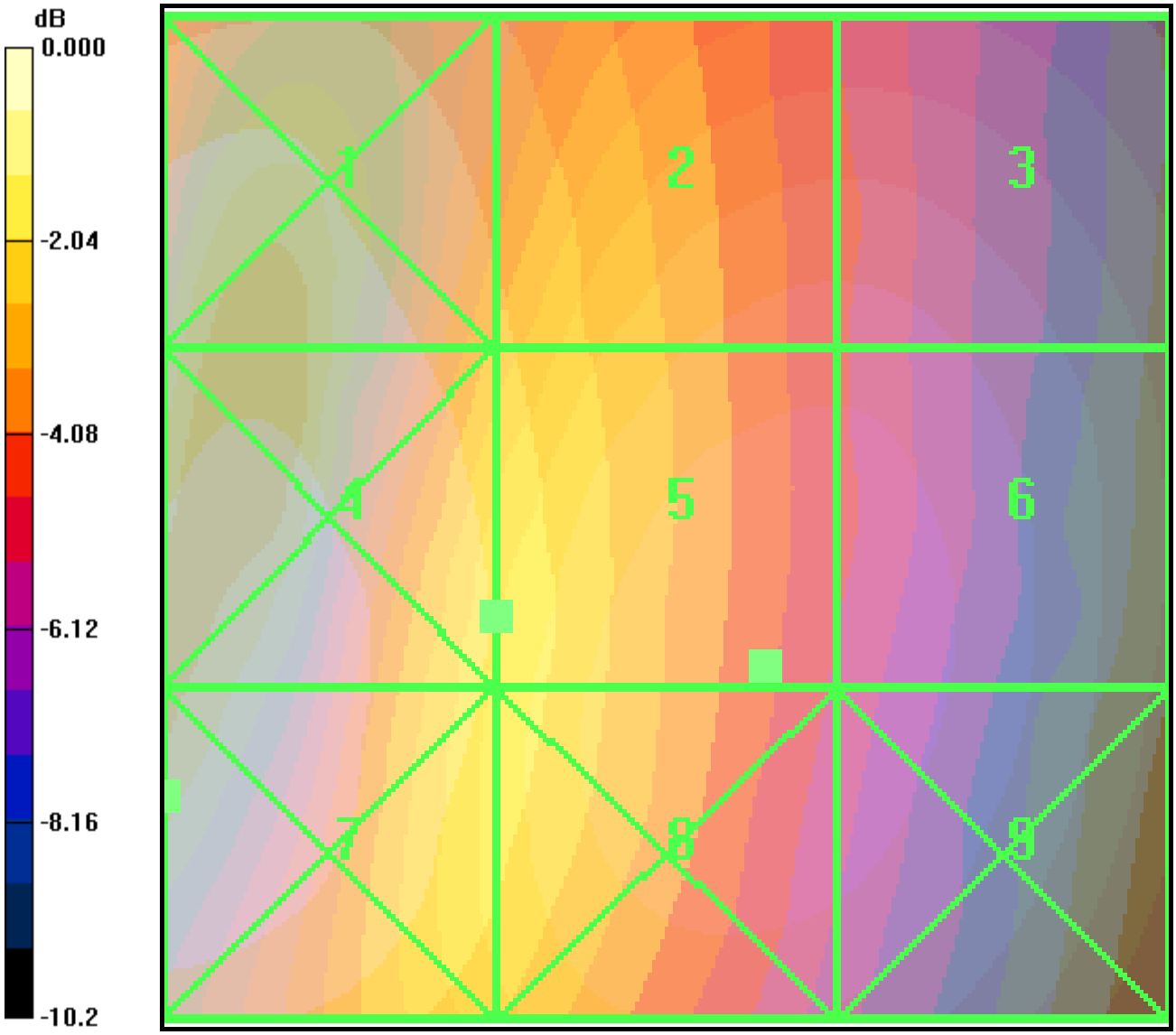
Peak E-field in V/m

Grid 1 **23.3 M4**	Grid 2 **32.7 M4**	Grid 3 **32.6 M4**
Grid 4 **29.4 M4**	Grid 5 **36.5 M4**	Grid 6 **36.2 M4**
Grid 7 **29.8 M4**	Grid 8 **36.5 M4**	Grid 9 **36.1 M4**

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.129 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.118 A/m; Power Drift = -0.011 dB

Peak H-field in A/m

Grid 1 **0.136 M4**	Grid 2 **0.124 M4**	Grid 3 **0.093 M4**
Grid 4 **0.143 M4**	Grid 5 **0.129 M4**	Grid 6 **0.093 M4**
Grid 7 **0.145 M4**	Grid 8 **0.127 M4**	Grid 9 **0.090 M4**



0 dB = 36.5V/m

CDMA 1900 Channel 600 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

PCS_600/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 = 52.3 V/m; Power Drift = 0.019 dB

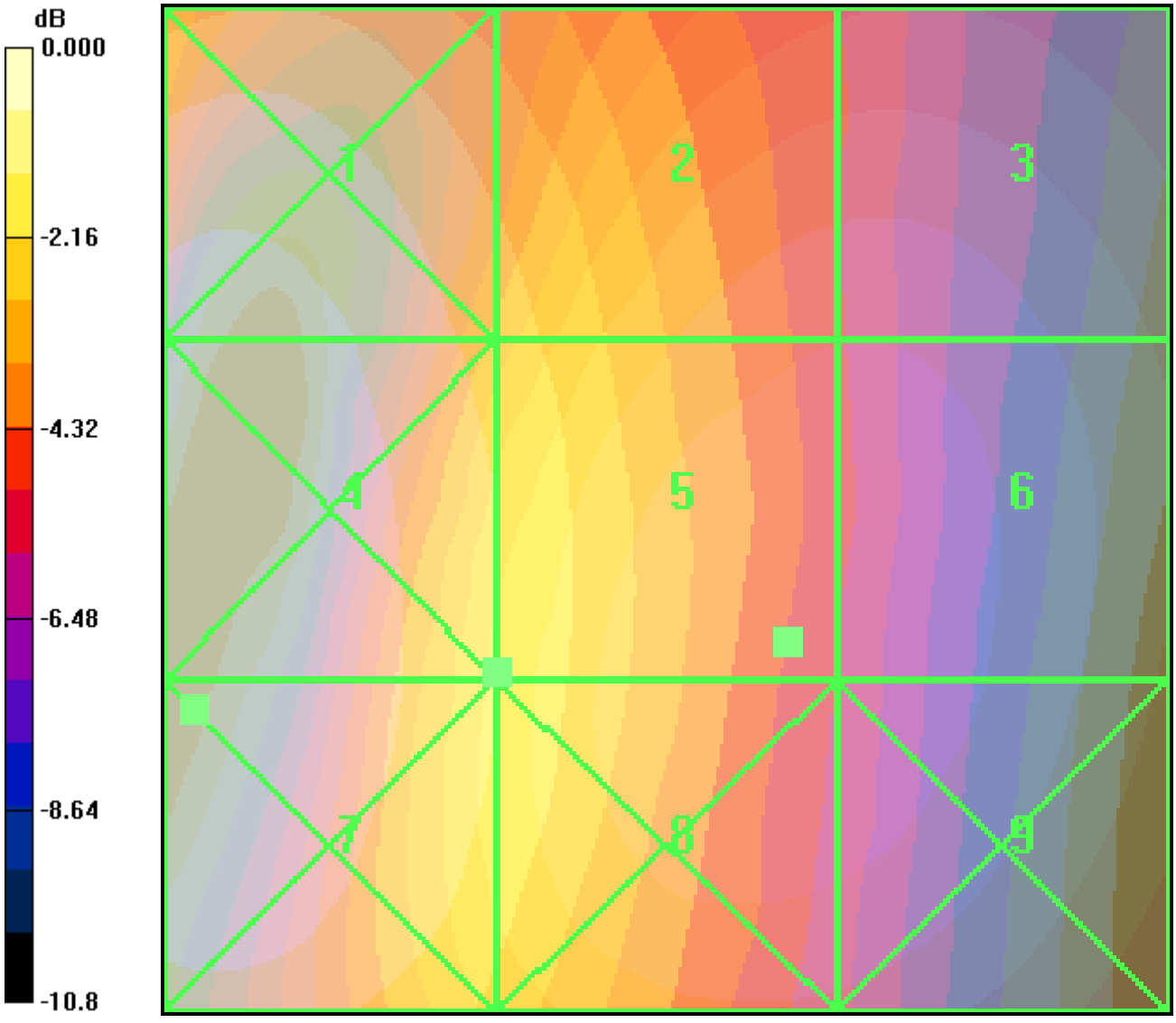
Peak E-field in V/m

Grid 1 **26.3 M4**	Grid 2 **38.5 M4**	Grid 3 **38.6 M4**
Grid 4 **33.5 M4**	Grid 5 **42.0 M4**	Grid 6 **41.8 M4**
Grid 7 **33.9 M4**	Grid 8 **41.9 M4**	Grid 9 **41.6 M4**

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.144 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.132 A/m; Power Drift = 0.028 dB

Peak H-field in A/m

Grid 1 **0.157 M4**	Grid 2 **0.140 M4**	Grid 3 **0.100 M4**
Grid 4 **0.163 M4**	Grid 5 **0.144 M4**	Grid 6 **0.102 M4**
Grid 7 **0.163 M4**	Grid 8 **0.144 M4**	Grid 9 **0.099 M4**



0 dB = 42.0V/m

CDMA 1900 Channel 1175 Date: 8/12/2010

Communication System: CDMA_Triband, Frequency: 1910 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3 Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2341Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011Calibrated: 7/16/2012
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/9/2011
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature:
Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 40.8 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 47.9 V/m; Power Drift = -0.062 dB

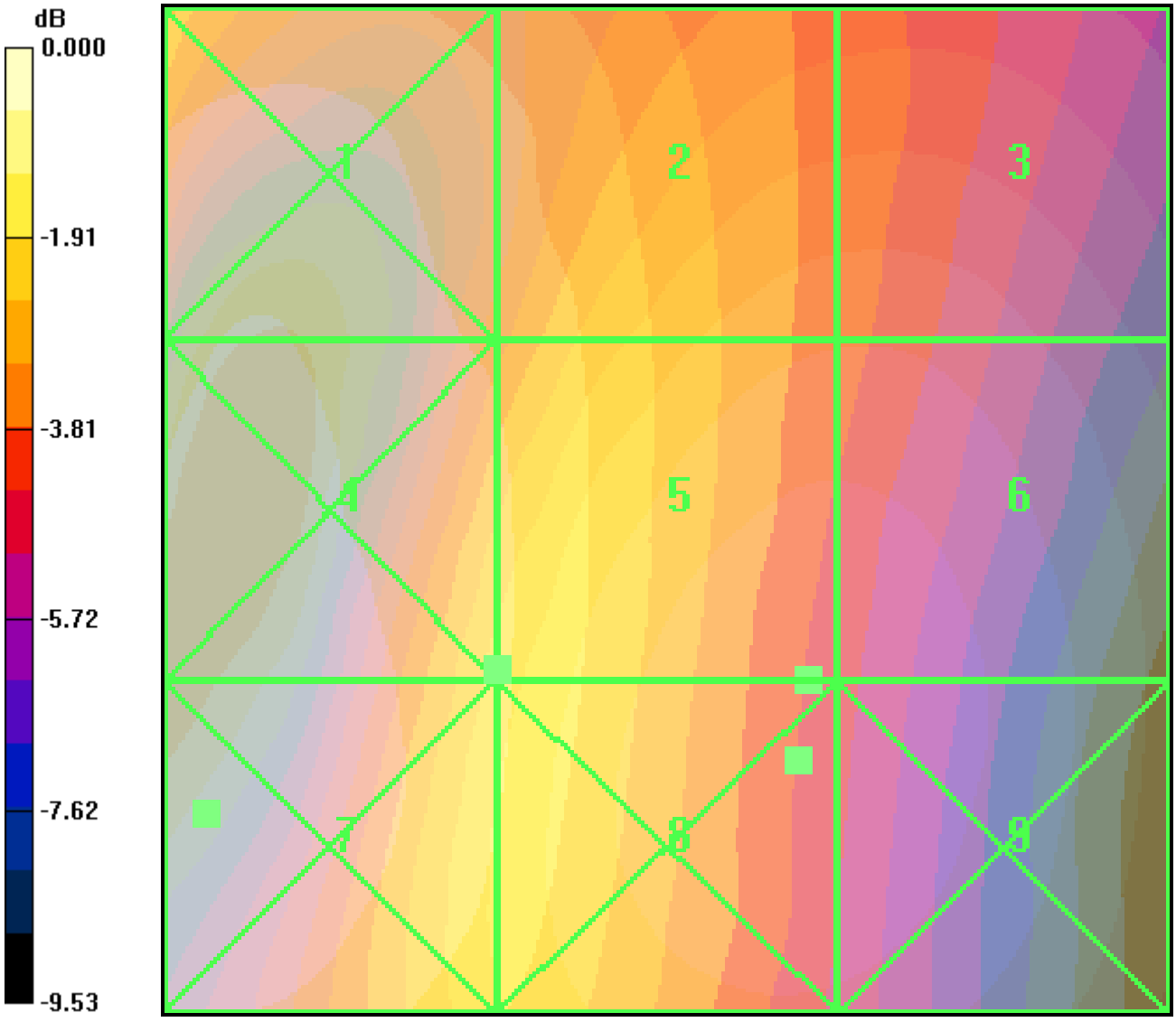
Peak E-field in V/m

Grid 1 **28.2 M4**	Grid 2 **35.2 M4**	Grid 3 **35.3 M4**
Grid 4 **31.6 M4**	Grid 5 **40.8 M4**	Grid 6 **40.7 M4**
Grid 7 **33.4 M4**	Grid 8 **41.0 M4**	Grid 9 **40.9 M4**

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.134 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.126 A/m; Power Drift = -0.002 dB

Peak H-field in A/m

Grid 1 **0.142 M4**	Grid 2 **0.131 M4**	Grid 3 **0.103 M4**
Grid 4 **0.148 M4**	Grid 5 **0.134 M4**	Grid 6 **0.101 M4**
Grid 7 **0.150 M4**	Grid 8 **0.134 M4**	Grid 9 **0.095 M4**



0 dB = 41.0V/m

CDMA 1900 Channel 600 (360) E roll