**CDMA 800 Channel 1013** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 824.7 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/$m^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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 = 59.5 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 72.1 V/m; Power Drift = -0.014 dB

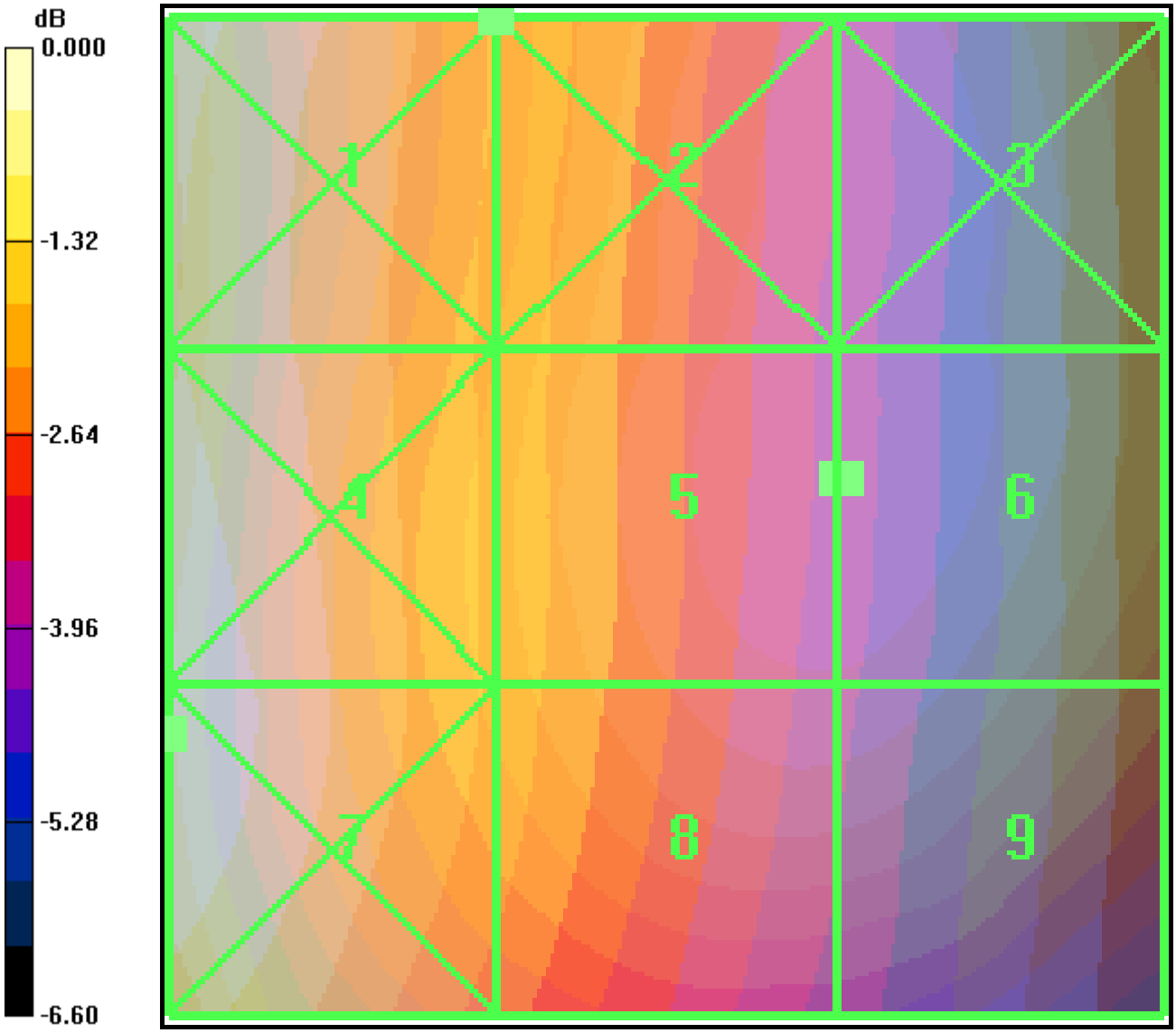
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **46.3 M4** | Grid 2 **58.8 M4** | Grid 3 **58.9 M4** |
| Grid 4 **47.8 M4** | Grid 5 **59.5 M4** | Grid 6 **59.5 M4** |
| Grid 7 **47.1 M4** | Grid 8 **56.2 M4** | Grid 9 **56.2 M4** |

**CELL_1013/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.124 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.109 A/m; Power Drift = 0.038 dB

Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.156 M4** | Grid 2 **0.124 M4** | Grid 3 **0.089 M4** |
| Grid 4 **0.161 M4** | Grid 5 **0.122 M4** | Grid 6 **0.087 M4** |
| Grid 7 **0.161 M4** | Grid 8 **0.122 M4** | Grid 9 **0.085 M4** |




0 dB = 59.5V/m

**CDMA 800 Channel 383** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/m$^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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 = 48.1 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 56.4 V/m; Power Drift = -0.001 dB

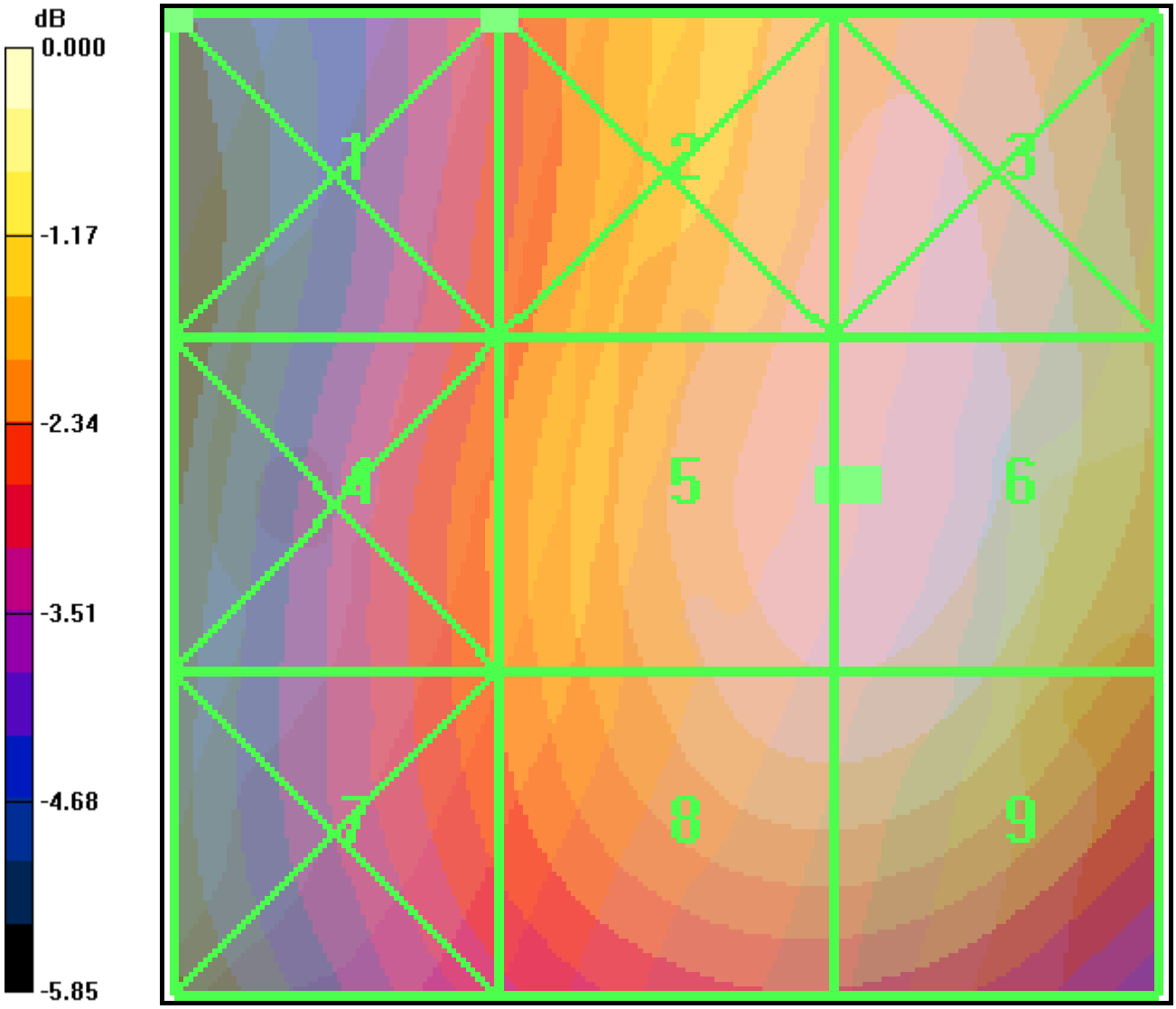
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **35.4 M4** | Grid 2 **47.0 M4** | Grid 3 **47.3 M4** |
| Grid 4 **37.3 M4** | Grid 5 **47.9 M4** | Grid 6 **48.1 M4** |
| Grid 7 **37.0 M4** | Grid 8 **46.0 M4** | Grid 9 **46.0 M4** |

**CELL_383/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.116 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.100 A/m; Power Drift = -0.068 dB

Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.142 M4** | Grid 2 **0.116 M4** | Grid 3 **0.089 M4** |
| Grid 4 **0.133 M4** | Grid 5 **0.110 M4** | Grid 6 **0.084 M4** |
| Grid 7 **0.132 M4** | Grid 8 **0.103 M4** | Grid 9 **0.076 M4** |




0 dB = 48.1V/m

**CDMA 800 Channel 777** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/m$^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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_777/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 48.8 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 55.0 V/m; Power Drift = -0.088 dB

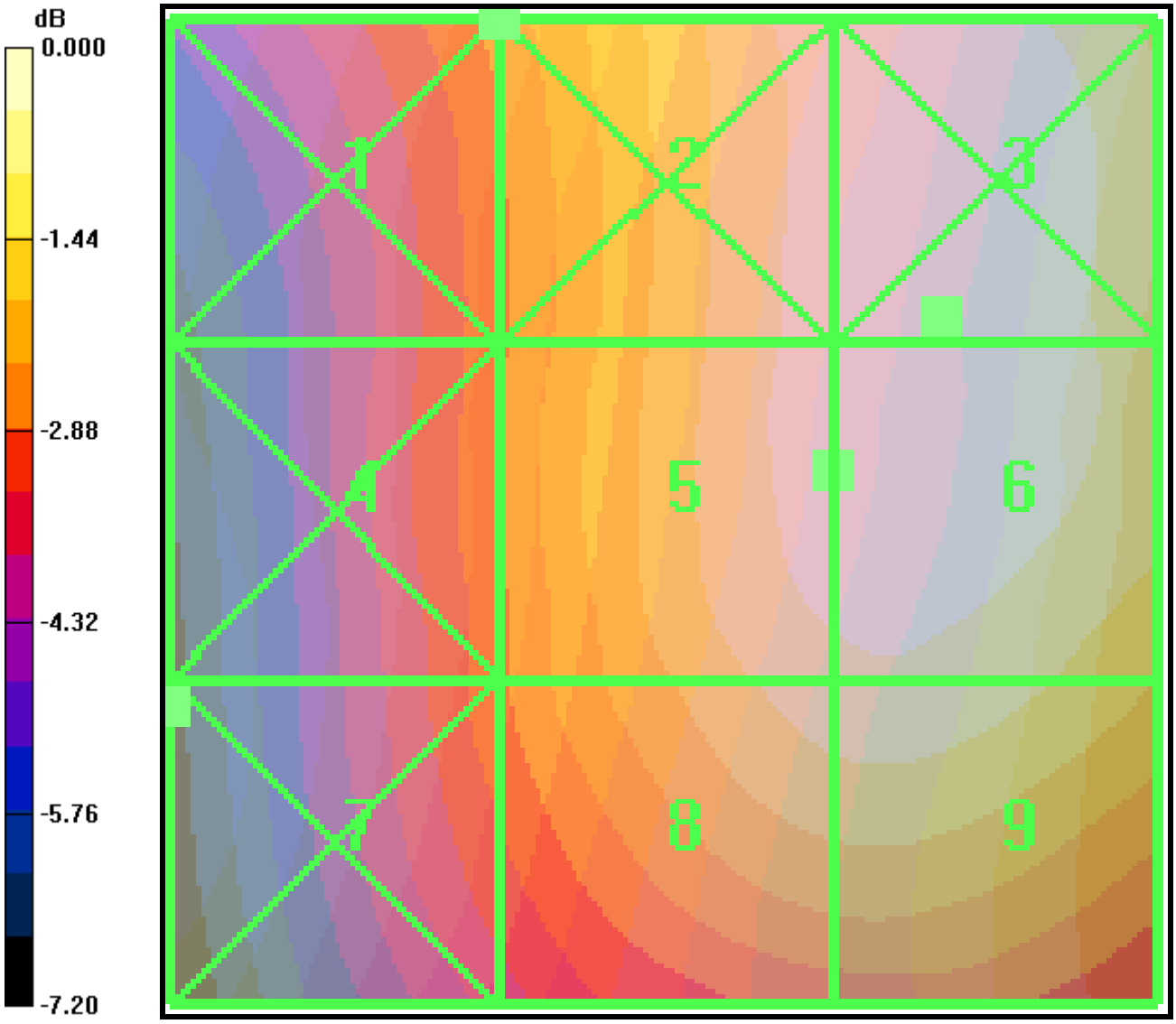
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **35.9 M4** | Grid 2 **47.7 M4** | Grid 3 **48.8 M4** |
| Grid 4 **35.1 M4** | Grid 5 **47.7 M4** | Grid 6 **48.8 M4** |
| Grid 7 **34.6 M4** | Grid 8 **45.5 M4** | Grid 9 **45.9 M4** |

**CELL_777/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.103 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.090 A/m; Power Drift = 0.018 dB

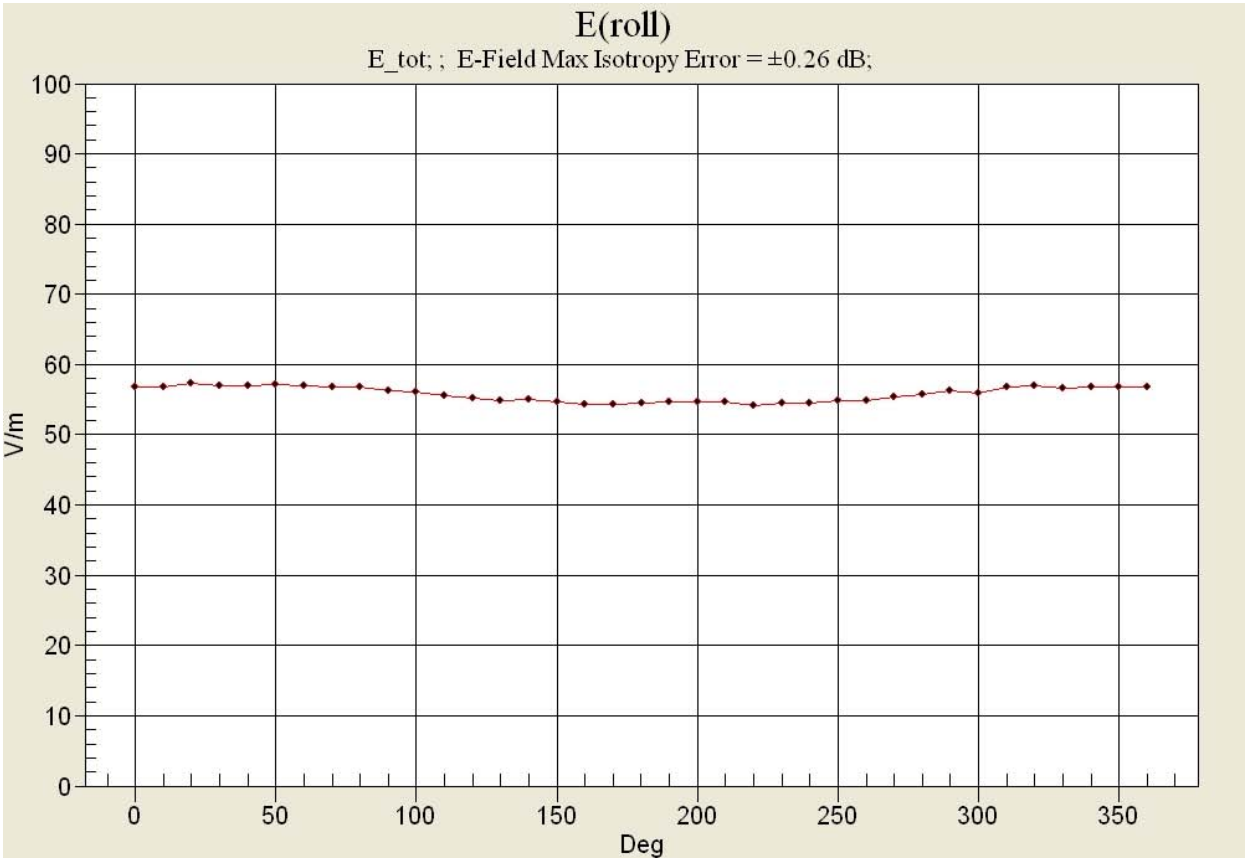
Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.124 M4** | Grid 2 **0.103 M4** | Grid 3 **0.080 M4** |
| Grid 4 **0.125 M4** | Grid 5 **0.099 M4** | Grid 6 **0.075 M4** |
| Grid 7 **0.125 M4** | Grid 8 **0.096 M4** | Grid 9 **0.071 M4** |




0 dB = 48.8V/m

**CDMA 800 Channel 1013 (360) E roll**



**CDMA 1900 Channel 25** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 1850 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/$m^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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 = 39.0 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 29.0 V/m; Power Drift = 0.062 dB

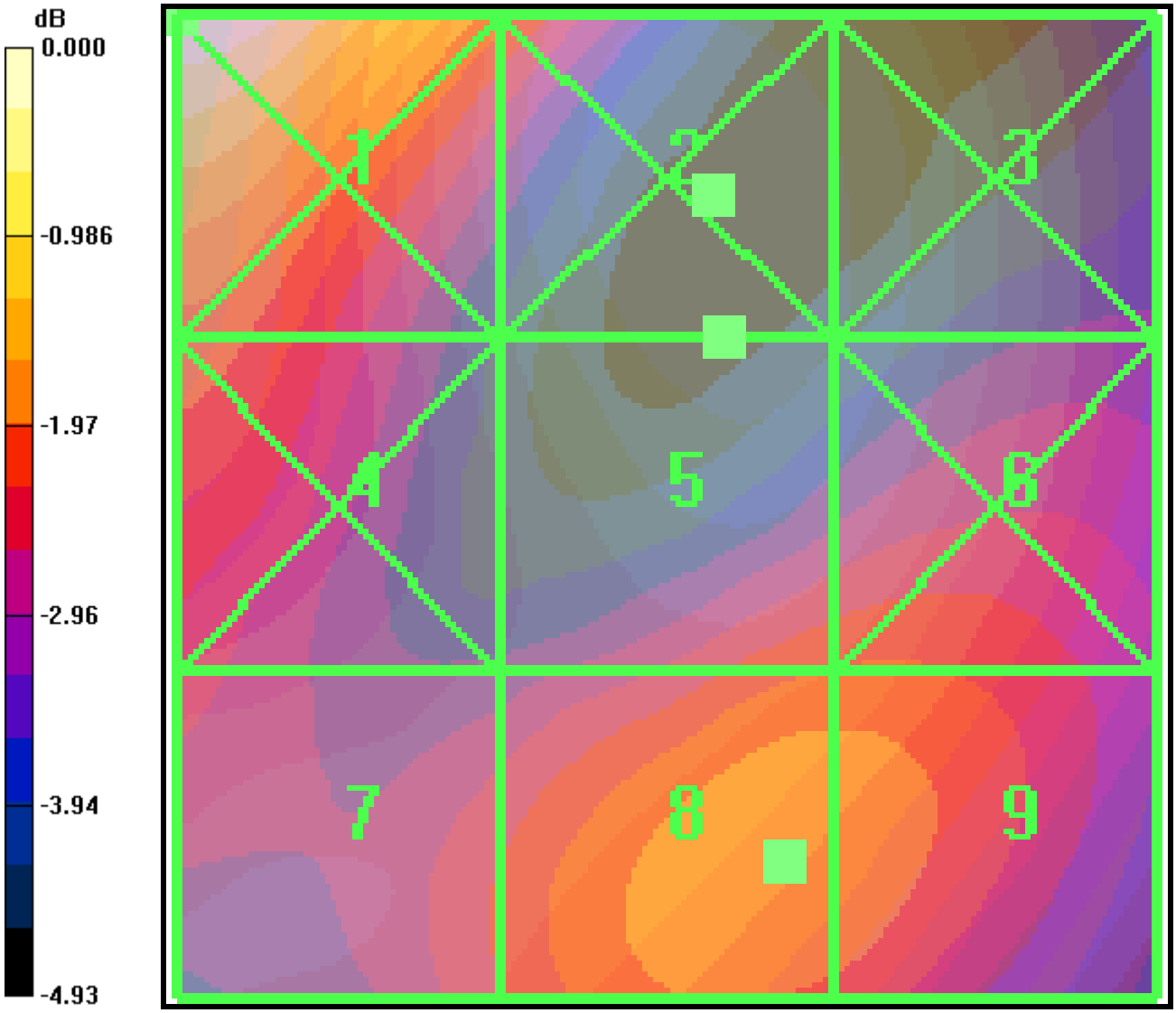
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **47.2 M4** | Grid 2 **36.8 M4** | Grid 3 **31.5 M4** |
| Grid 4 **38.6 M4** | Grid 5 **36.4 M4** | Grid 6 **36.5 M4** |
| Grid 7 **35.2 M4** | Grid 8 **39.0 M4** | Grid 9 **38.7 M4** |

**PCS_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.131 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.136 A/m; Power Drift = 0.002 dB

Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.120 M4** | Grid 2 **0.134 M4** | Grid 3 **0.130 M4** |
| Grid 4 **0.116 M4** | Grid 5 **0.131 M4** | Grid 6 **0.128 M4** |
| Grid 7 **0.119 M4** | Grid 8 **0.115 M4** | Grid 9 **0.112 M4** |




0 dB = 47.2V/m

**CDMA 1900 Channel 600** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/$m^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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 = 40.5 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 31.3 V/m; Power Drift = -0.191 dB

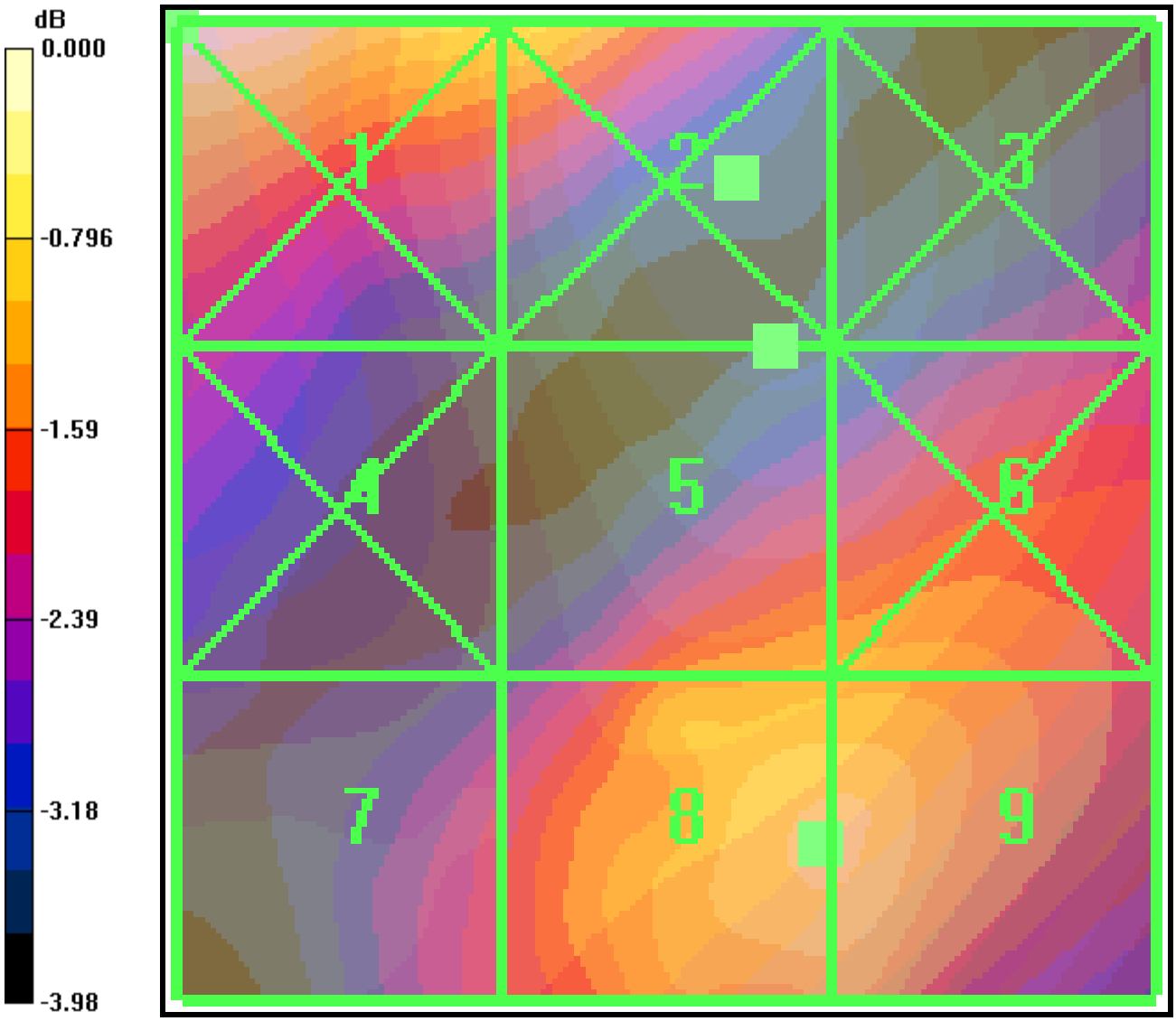
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **42.8 M4** | Grid 2 **38.8 M4** | Grid 3 **32.3 M4** |
| Grid 4 **33.3 M4** | Grid 5 **37.3 M4** | Grid 6 **37.5 M4** |
| Grid 7 **33.6 M4** | Grid 8 **40.5 M4** | Grid 9 **40.5 M4** |

**PCS_600/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.138 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.138 A/m; Power Drift = -0.030 dB
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.121 M4** | Grid 2 **0.142 M4** | Grid 3 **0.138 M4** |
| Grid 4 **0.114 M4** | Grid 5 **0.138 M4** | Grid 6 **0.136 M4** |
| Grid 7 **0.116 M4** | Grid 8 **0.116 M4** | Grid 9 **0.114 M4** |




0 dB = 42.8V/m

**CDMA 1900 Channel 1175** Date: 12/16/2010

Communication System: CDMA_Triband, Frequency: 1910 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 1; ρ = 1000 kg/$m^3$ Medium parameters used: σ = 0 mho/m, $\varepsilon_r$ = 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: 7/12/2010 Calibrated: 7/16/2010
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn527,Calibrated: 7/8/2010
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 = 31.5 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 21.9 V/m; Power Drift = 0.005 dB

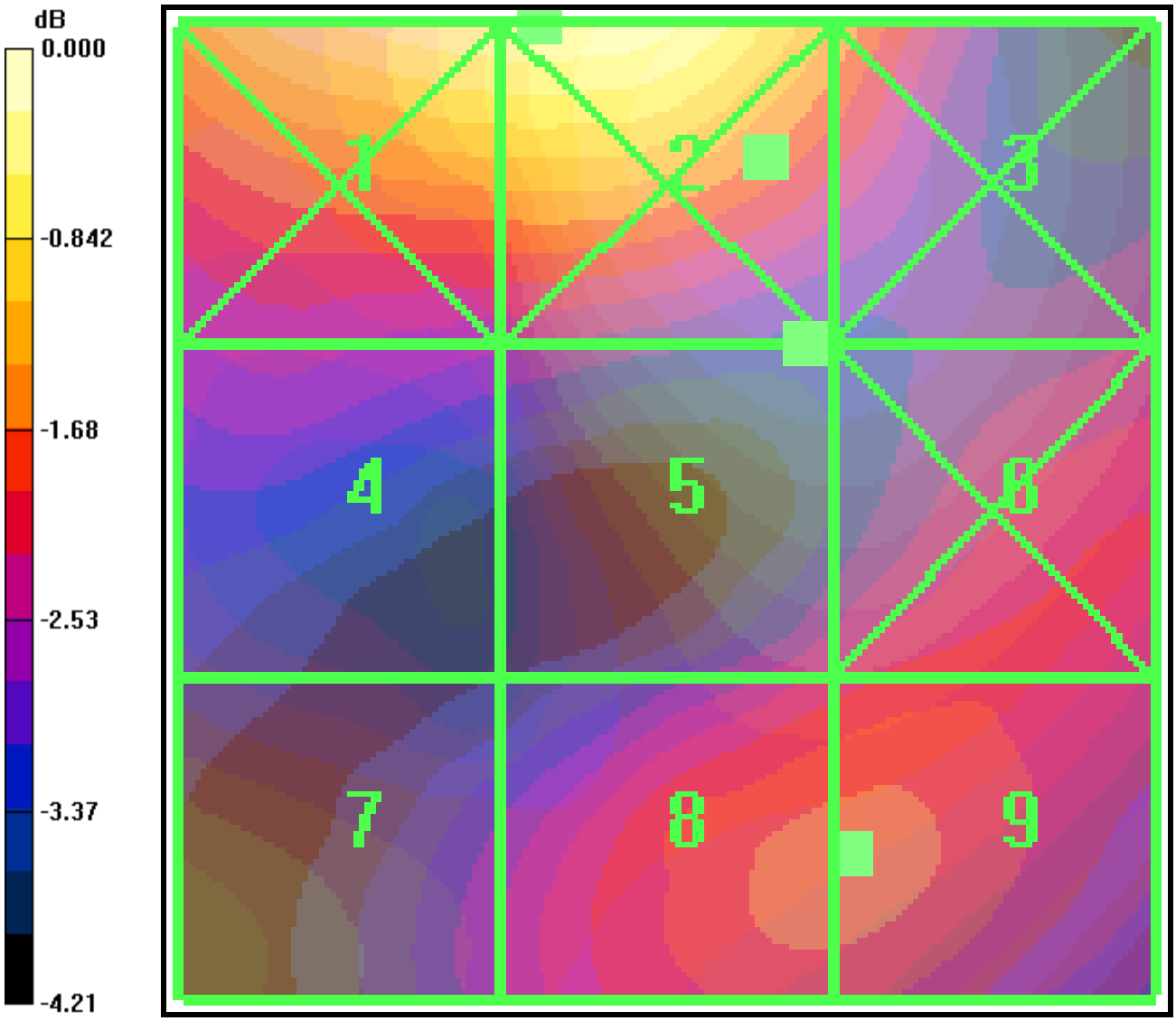
Peak E-field in V/m

| | | |
|---|---|---|
| Grid 1 **37.7 M4** | Grid 2 **37.7 M4** | Grid 3 **32.1 M4** |
| Grid 4 **28.6 M4** | Grid 5 **28.5 M4** | Grid 6 **29.8 M4** |
| Grid 7 **27.4 M4** | Grid 8 **31.5 M4** | Grid 9 **31.5 M4** |

**PCS_1175/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.104 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.095 A/m; Power Drift = -0.073 dB

Peak H-field in A/m

| | | |
|---|---|---|
| Grid 1 **0.091 M4** | Grid 2 **0.109 M4** | Grid 3 **0.108 M4** |
| Grid 4 **0.073 M4** | Grid 5 **0.104 M4** | Grid 6 **0.104 M4** |
| Grid 7 **0.088 M4** | Grid 8 **0.080 M4** | Grid 9 **0.080 M4** |




0 dB = 37.7V/m

**CDMA 1900 Channel 25 (360) E roll**