

Test Laboratory: KWC

**HAC\_ER3D\_S1310\_PCS\_121109**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 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 = 57.4 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 67.0 V/m; Power Drift = 0.059 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>34.6 M4</b>	Grid 2 <b>45.8 M4</b>	Grid 3 <b>45.8 M4</b>
Grid 4 <b>43.0 M4</b>	Grid 5 <b>57.4 M4</b>	Grid 6 <b>57.3 M4</b>
Grid 7 <b>43.7 M4</b>	Grid 8 <b>57.4 M4</b>	Grid 9 <b>57.3 M4</b>

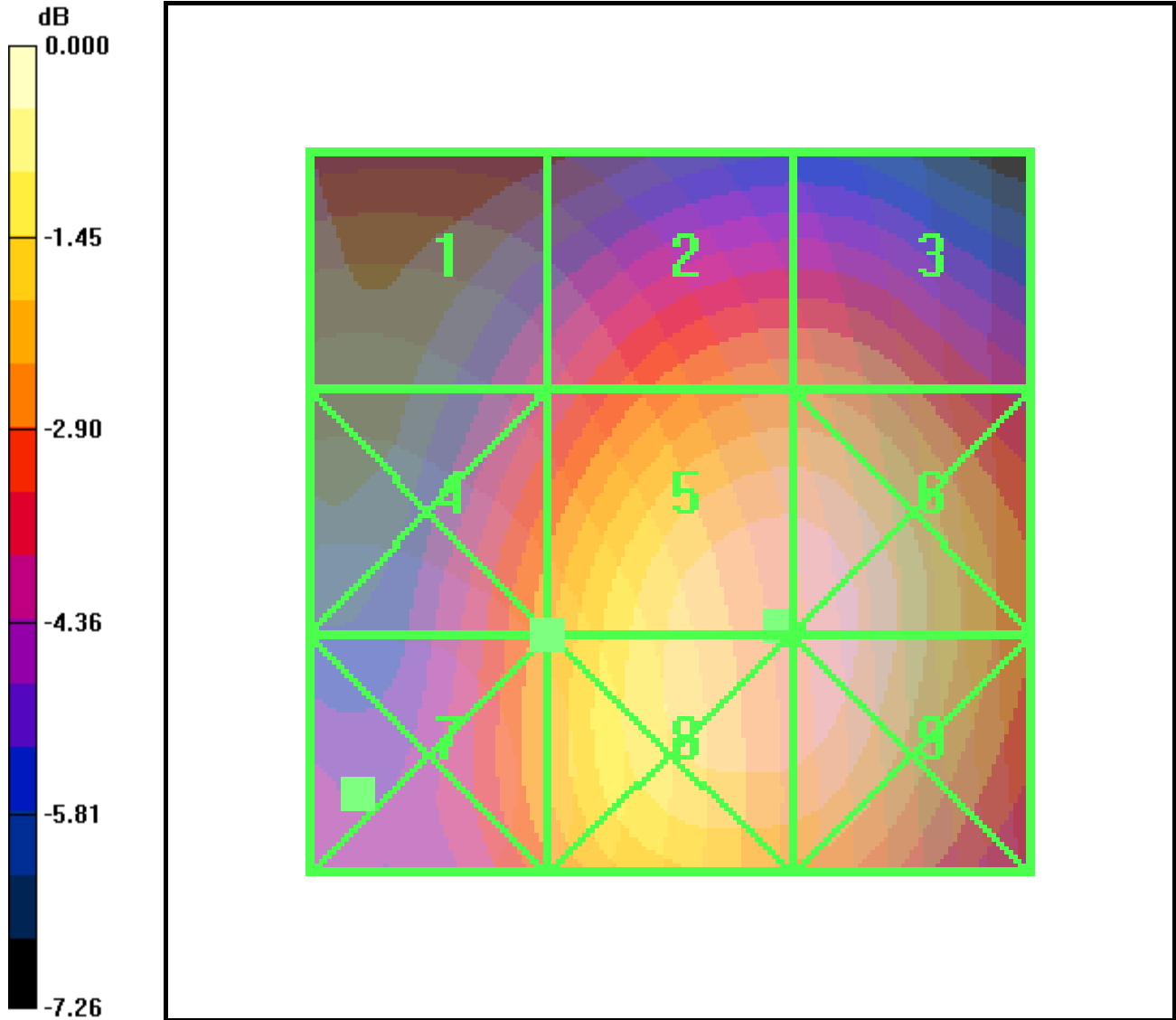
**PCS\_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.170 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.146 A/m; Power Drift = 0.086 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.156 M4</b>	Grid 2 <b>0.144 M4</b>	Grid 3 <b>0.102 M4</b>
Grid 4 <b>0.186 M4</b>	Grid 5 <b>0.170 M4</b>	Grid 6 <b>0.115 M4</b>
Grid 7 <b>0.201 M3</b>	Grid 8 <b>0.180 M4</b>	Grid 9 <b>0.117 M4</b>



0 dB = 57.4V/m

Test Laboratory: KWC

**HAC\_ER3D\_S1310\_PCS\_121109**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 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 = 49.0 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 59.4 V/m; Power Drift = -0.143 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>31.8 M4</b>	Grid 2 <b>37.7 M4</b>	Grid 3 <b>37.5 M4</b>
Grid 4 <b>44.0 M4</b>	Grid 5 <b>49.0 M4</b>	Grid 6 <b>48.1 M4</b>
Grid 7 <b>48.1 M4</b>	Grid 8 <b>49.9 M4</b>	Grid 9 <b>48.2 M4</b>

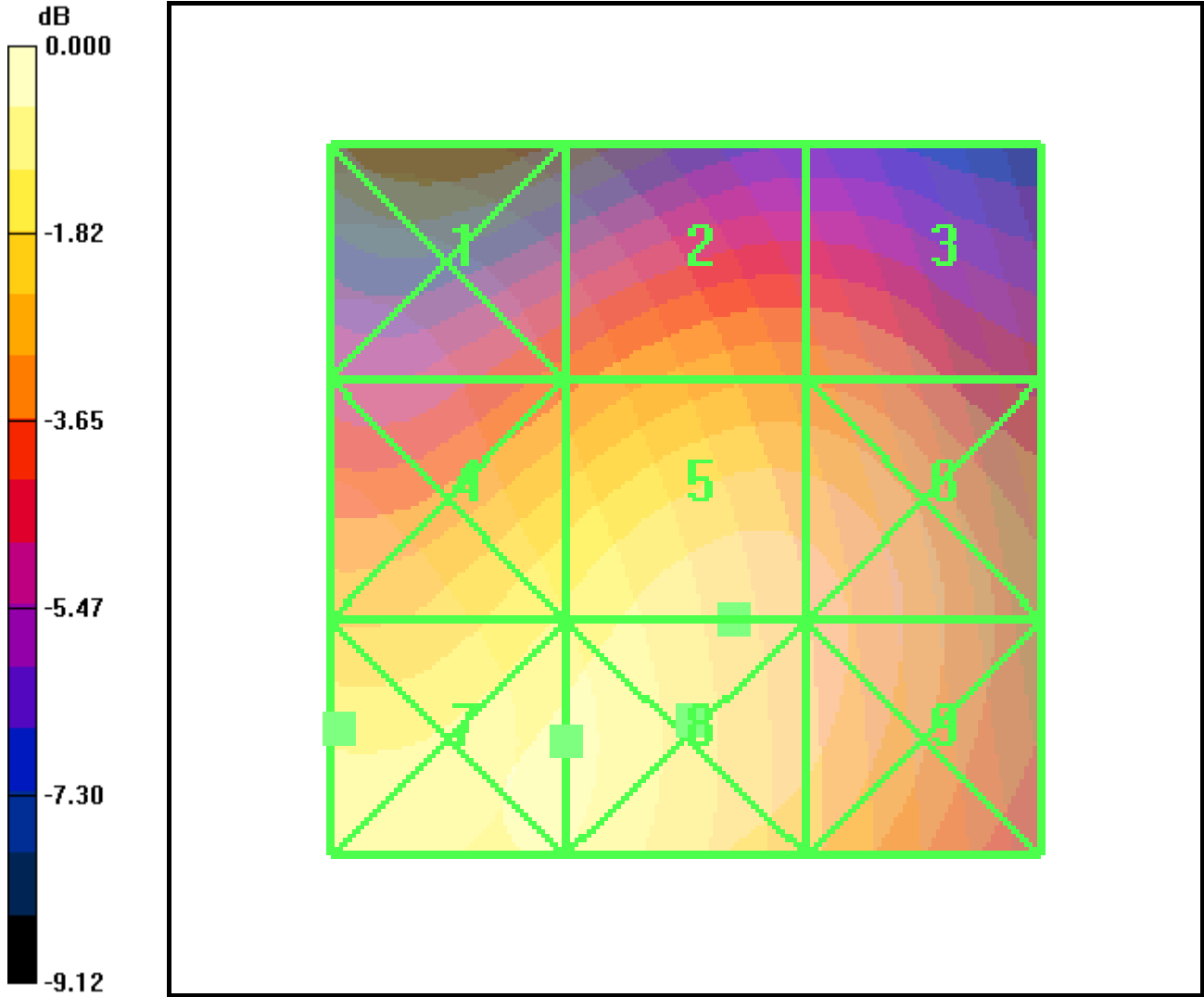
**PCS\_600/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.153 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.134 A/m; Power Drift = -0.161 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.155 M4</b>	Grid 2 <b>0.134 M4</b>	Grid 3 <b>0.094 M4</b>
Grid 4 <b>0.170 M4</b>	Grid 5 <b>0.148 M4</b>	Grid 6 <b>0.106 M4</b>
Grid 7 <b>0.174 M4</b>	Grid 8 <b>0.153 M4</b>	Grid 9 <b>0.109 M4</b>



0 dB = 49.9V/m

Test Laboratory: KWC

**HAC\_ER3D\_S1310\_PCS\_121109**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 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 = 61.1 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 78.8 V/m; Power Drift = -0.047 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>48.6 M4</b>	Grid 2 <b>52.6 M4</b>	Grid 3 <b>50.2 M4</b>
Grid 4 <b>55.5 M4</b>	Grid 5 <b>61.1 M4</b>	Grid 6 <b>58.7 M4</b>
Grid 7 <b>56.6 M4</b>	Grid 8 <b>61.1 M4</b>	Grid 9 <b>58.6 M4</b>

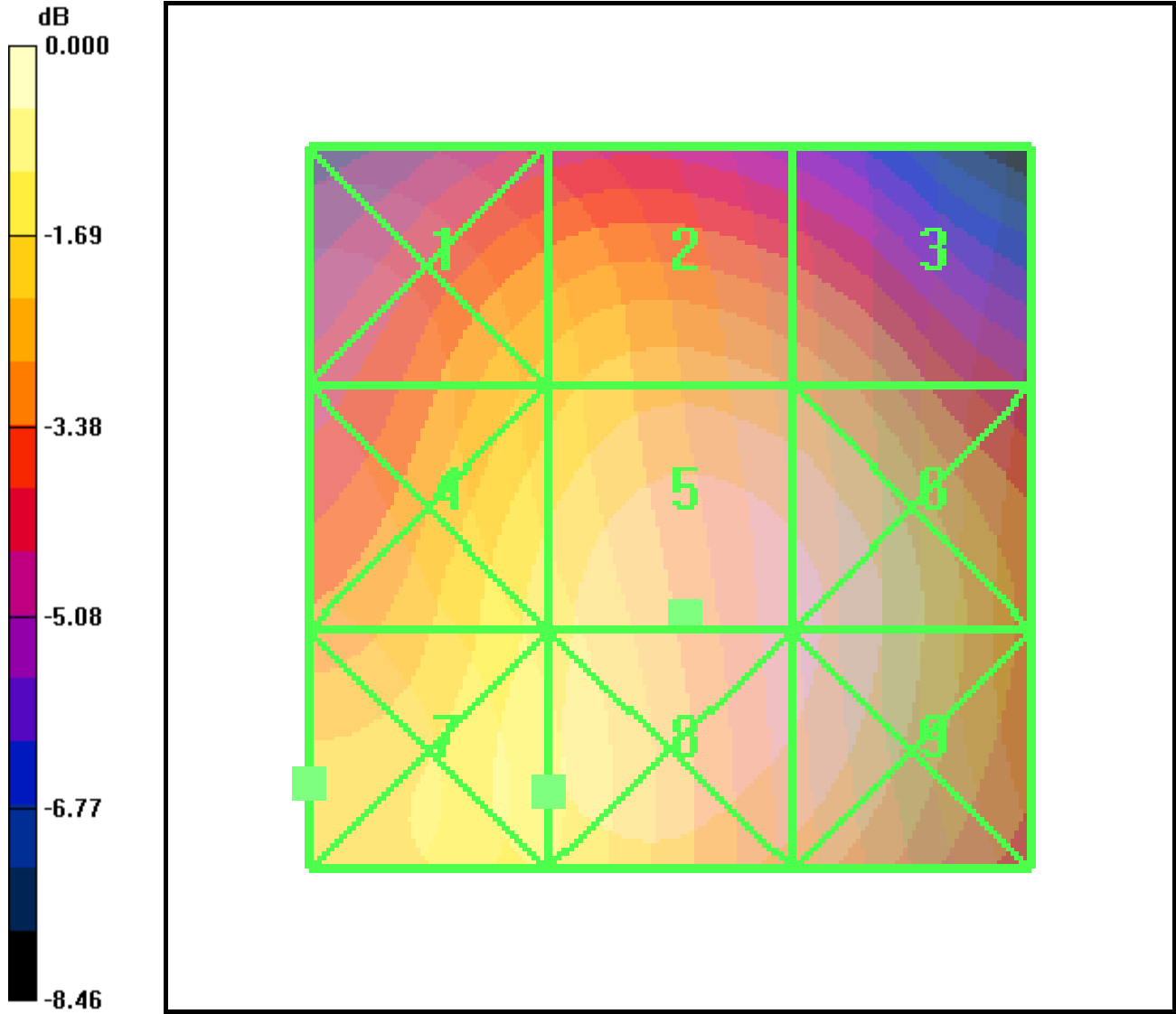
**PCS\_1175/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

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 = 0.122 A/m; Power Drift = 0.002 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.165 M4</b>	Grid 2 <b>0.136 M4</b>	Grid 3 <b>0.093 M4</b>
Grid 4 <b>0.182 M4</b>	Grid 5 <b>0.148 M4</b>	Grid 6 <b>0.097 M4</b>
Grid 7 <b>0.192 M3</b>	Grid 8 <b>0.156 M4</b>	Grid 9 <b>0.101 M4</b>



0 dB = 61.1V/m

Test Laboratory: KWC

**HAC\_ER3D\_S1310\_PCS\_121109**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY4 Configuration:**

Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 8/14/2009

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

Maximum value of peak Total field = 62.2 V/m

Probe Modulation Factor = 1.00

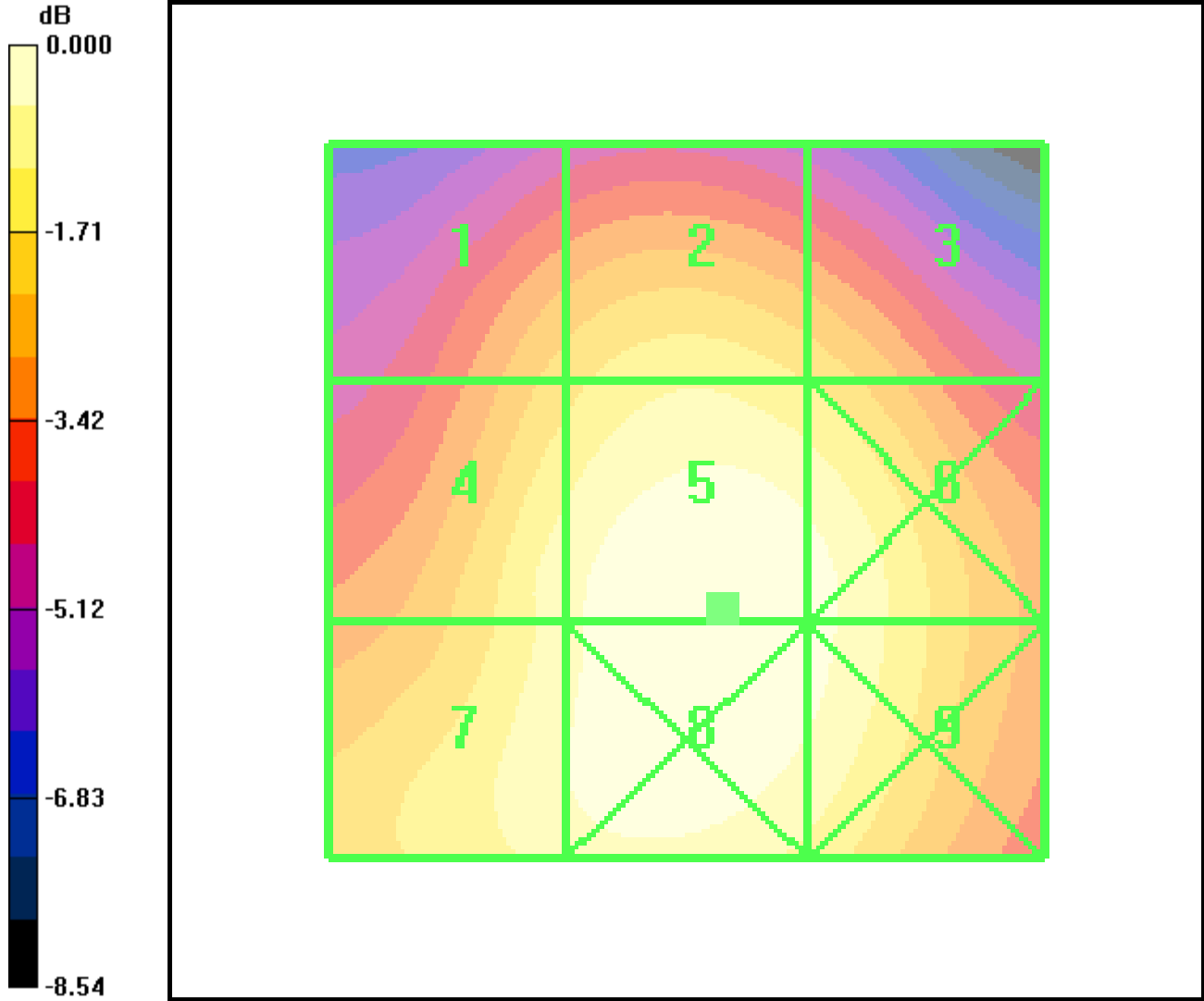
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 81.1 V/m; Power Drift = -0.012 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>49.6 M4</b>	Grid 2 <b>54.0 M4</b>	Grid 3 <b>50.9 M4</b>
Grid 4 <b>56.9 M4</b>	Grid 5 <b>62.2 M4</b>	Grid 6 <b>60.0 M4</b>
Grid 7 <b>58.2 M4</b>	Grid 8 <b>62.2 M4</b>	Grid 9 <b>59.9 M4</b>



0 dB = 62.2V/m