

### #06 HAC\_E\_GSM850 Ch189\_Sample1\_Battery1

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 136.3 V/m

Probe Modulation Factor = 2.60

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 68.2 V/m; Power Drift = -0.117 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

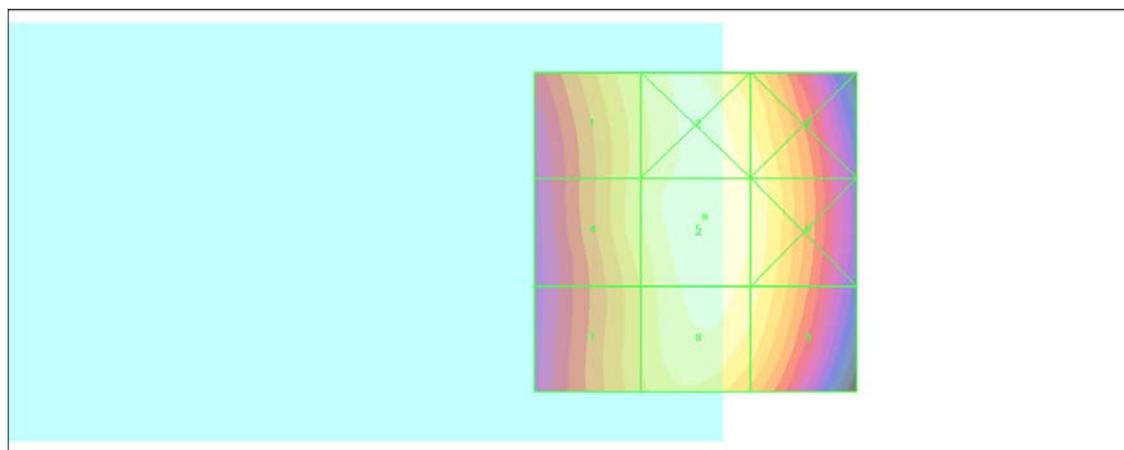
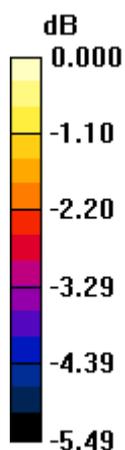
Grid 1 <b>126.2 M4</b>	Grid 2 <b>134.2 M4</b>	Grid 3 <b>129.5 M4</b>
Grid 4 <b>125.2 M4</b>	Grid 5 <b>136.3 M4</b>	Grid 6 <b>130.9 M4</b>
Grid 7 <b>120.3 M4</b>	Grid 8 <b>133.0 M4</b>	Grid 9 <b>128.2 M4</b>

**Cursor:**

Total = 136.3 V/m

E Category: M4

Location: -1.5, -2.5, 8.7 mm



0 dB = 136.3V/m

**#16 HAC\_E\_GSM850 Ch189\_Sample2\_Battery2**

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

**DASY4 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 106.0 V/m

Probe Modulation Factor = 2.60

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 52.0 V/m; Power Drift = -0.092 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

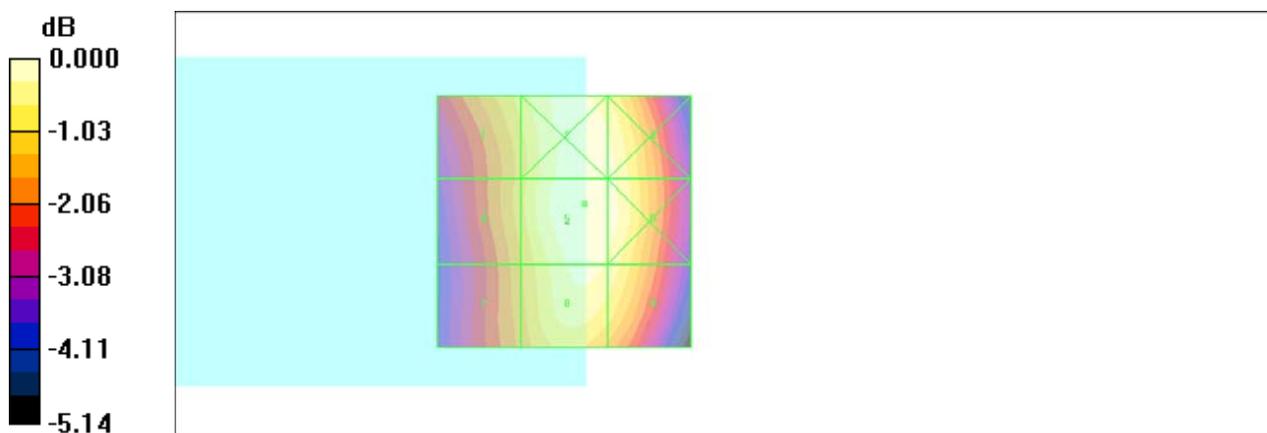
Grid 1 <b>95.9 M4</b>	Grid 2 <b>105.6 M4</b>	Grid 3 <b>103.9 M4</b>
Grid 4 <b>93.3 M4</b>	Grid 5 <b>106.0 M4</b>	Grid 6 <b>104.3 M4</b>
Grid 7 <b>90.4 M4</b>	Grid 8 <b>103.4 M4</b>	Grid 9 <b>101.1 M4</b>

**Cursor:**

Total = 106.0 V/m

E Category: M4

Location: -4, -3.5, 8.7 mm



0 dB = 106.0V/m

**#17 HAC\_E\_GSM850 Ch189\_Sample1\_Battery3**

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

**DASY4 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 103.5 V/m

Probe Modulation Factor = 2.60

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 51.0 V/m; Power Drift = -0.143 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

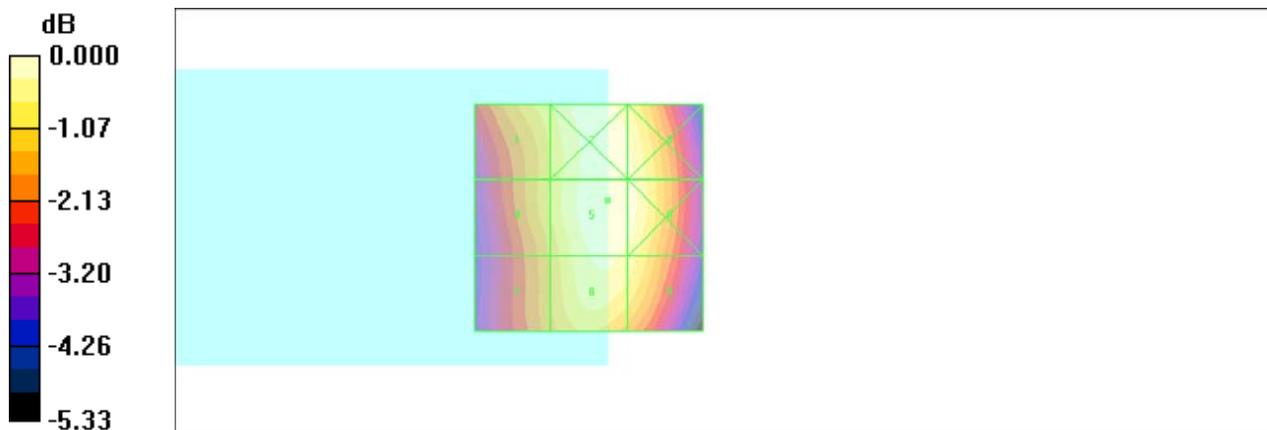
Grid 1 <b>95.3 M4</b>	Grid 2 <b>102.8 M4</b>	Grid 3 <b>100.9 M4</b>
Grid 4 <b>92.0 M4</b>	Grid 5 <b>103.5 M4</b>	Grid 6 <b>101.7 M4</b>
Grid 7 <b>88.4 M4</b>	Grid 8 <b>100.3 M4</b>	Grid 9 <b>98.0 M4</b>

**Cursor:**

Total = 103.5 V/m

E Category: M4

Location: -4, -4, 8.7 mm



0 dB = 103.5V/m

### #07 HAC\_E\_GSM850 Ch128\_Sample1\_Battery1

**DUT: 121019**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 120.1 V/m

Probe Modulation Factor = 2.60

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 60.2 V/m; Power Drift = -0.031 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

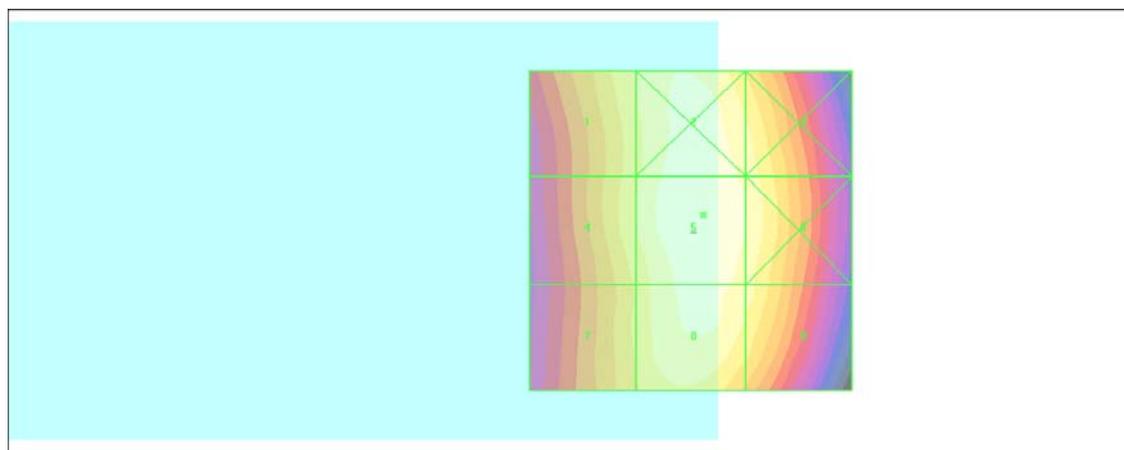
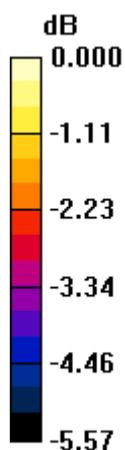
Grid 1 <b>110.9 M4</b>	Grid 2 <b>118.4 M4</b>	Grid 3 <b>113.5 M4</b>
Grid 4 <b>110.4 M4</b>	Grid 5 <b>120.1 M4</b>	Grid 6 <b>115.4 M4</b>
Grid 7 <b>106.8 M4</b>	Grid 8 <b>117.1 M4</b>	Grid 9 <b>112.4 M4</b>

**Cursor:**

Total = 120.1 V/m

E Category: M4

Location: -2, -2.5, 8.7 mm



0 dB = 120.1V/m

### #08 HAC\_E\_GSM850 Ch251\_Sample1\_Battery1

**DUT: 121019**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 153.6 V/m

Probe Modulation Factor = 2.60

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 76.6 V/m; Power Drift = -0.103 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

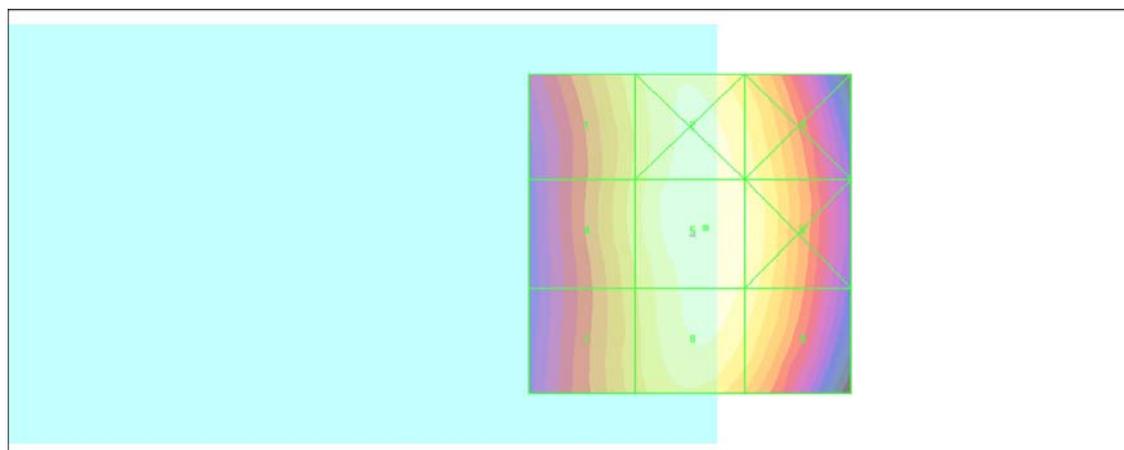
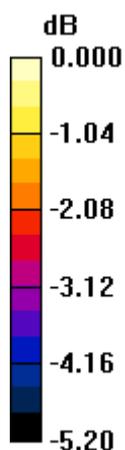
Grid 1 <b>139.9 M4</b>	Grid 2 <b>151.5 M3</b>	Grid 3 <b>146.3 M4</b>
Grid 4 <b>139.4 M4</b>	Grid 5 <b>153.6 M3</b>	Grid 6 <b>149.1 M4</b>
Grid 7 <b>135.6 M4</b>	Grid 8 <b>150.6 M3</b>	Grid 9 <b>146.3 M4</b>

**Cursor:**

Total = 153.6 V/m

E Category: M3

Location: -2.5, -1, 8.7 mm



0 dB = 153.6V/m

### #01 HAC\_E\_GSM1900 Ch661\_Sample1\_Battery1

**DUT: 121019**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch661/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 48.9 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 18.1 V/m; Power Drift = -0.034 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

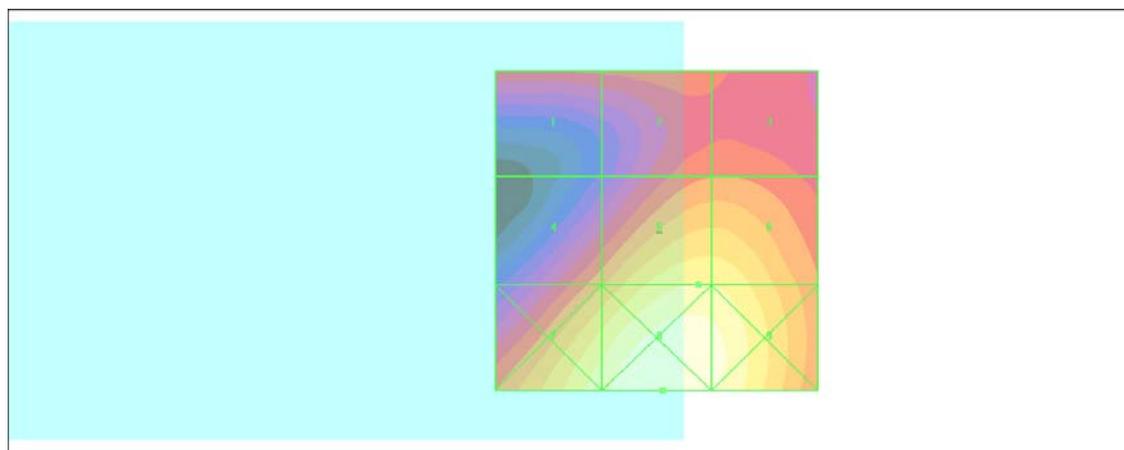
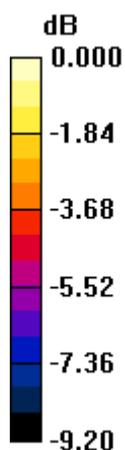
Grid 1 <b>34.9 M4</b>	Grid 2 <b>36.6 M4</b>	Grid 3 <b>36.7 M4</b>
Grid 4 <b>39.1 M4</b>	Grid 5 <b>48.9 M3</b>	Grid 6 <b>48.7 M3</b>
Grid 7 <b>51.0 M3</b>	Grid 8 <b>56.0 M3</b>	Grid 9 <b>53.9 M3</b>

**Cursor:**

Total = 56.0 V/m

E Category: M3

Location: -1, 25, 8.7 mm



0 dB = 56.0V/m

## #02 HAC\_E\_GSM1900 Ch512\_Sample1\_Battery1

**DUT: 121019**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch512/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 46.0 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 16.2 V/m; Power Drift = 0.044 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

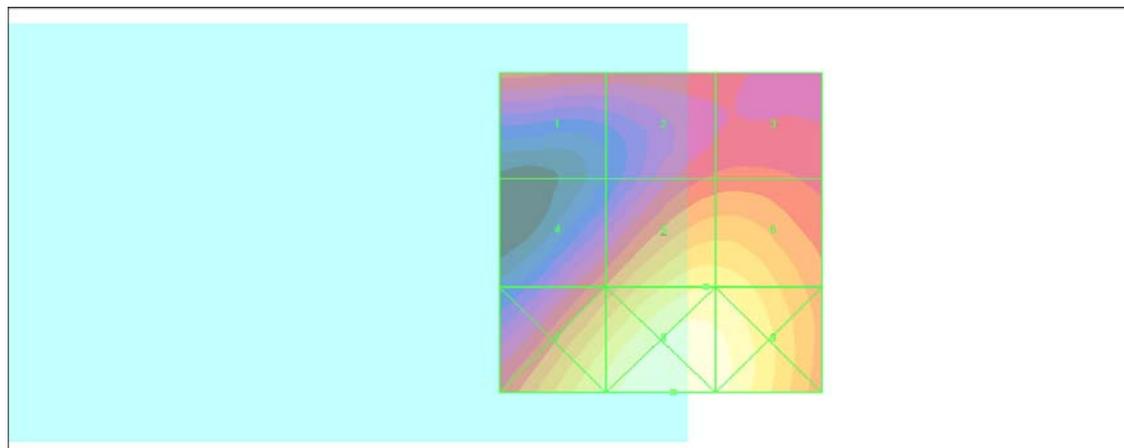
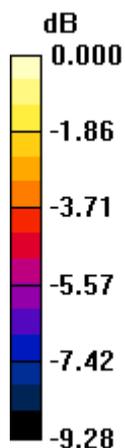
Grid 1 <b>33.6 M4</b>	Grid 2 <b>33.0 M4</b>	Grid 3 <b>33.5 M4</b>
Grid 4 <b>35.1 M4</b>	Grid 5 <b>46.0 M4</b>	Grid 6 <b>45.9 M4</b>
Grid 7 <b>47.7 M3</b>	Grid 8 <b>53.4 M3</b>	Grid 9 <b>51.5 M3</b>

**Cursor:**

Total = 53.4 V/m

E Category: M3

Location: -2, 25, 8.7 mm



0 dB = 53.4V/m

### #03 HAC\_E\_GSM1900 Ch810\_Sample1\_Battery1

**DUT: 121019**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch810/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 51.7 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 18.8 V/m; Power Drift = -0.065 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

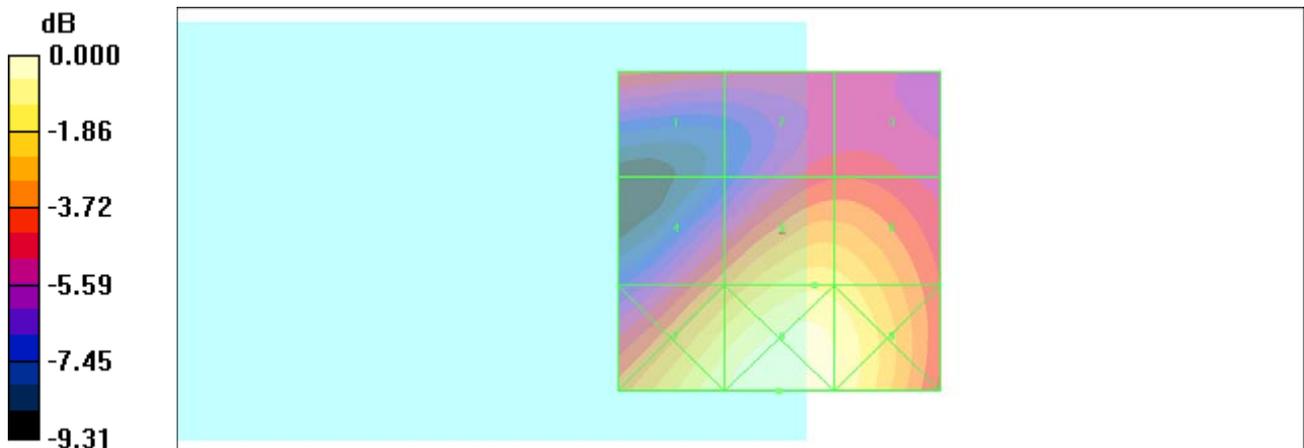
Grid 1 <b>37.8 M4</b>	Grid 2 <b>36.4 M4</b>	Grid 3 <b>36.6 M4</b>
Grid 4 <b>41.9 M4</b>	Grid 5 <b>51.7 M3</b>	Grid 6 <b>50.8 M3</b>
Grid 7 <b>56.2 M3</b>	Grid 8 <b>60.5 M3</b>	Grid 9 <b>56.8 M3</b>

**Cursor:**

Total = 60.5 V/m

E Category: M3

Location: 0, 25, 8.7 mm



0 dB = 60.5V/m

**#11 HAC\_E\_WCDMA IV\_RMC12.2K\_Ch1413\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1413/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 29.8 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 28.7 V/m; Power Drift = 0.099 dB

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

Peak E-field in V/m

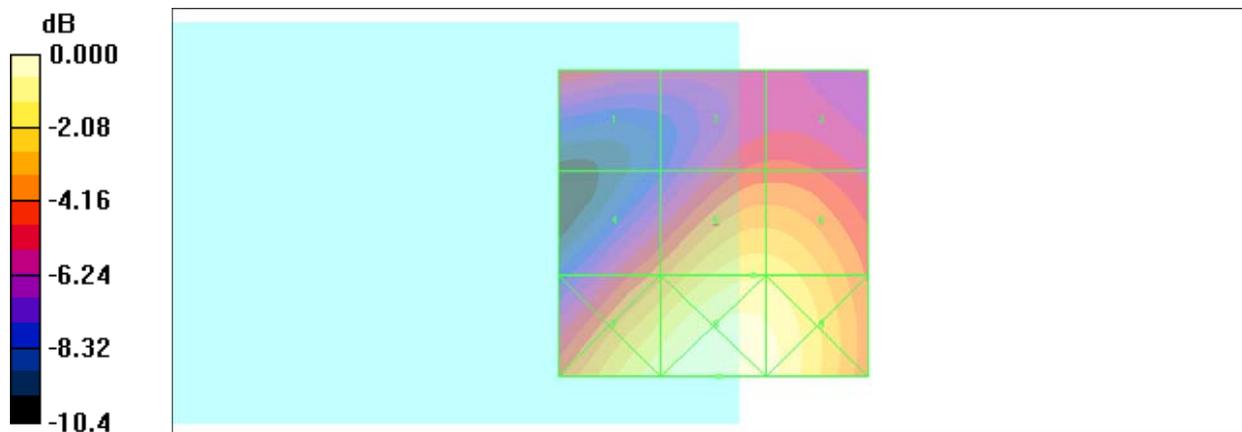
Grid 1 <b>20.5 M4</b>	Grid 2 <b>21.0 M4</b>	Grid 3 <b>21.0 M4</b>
Grid 4 <b>23.1 M4</b>	Grid 5 <b>29.8 M4</b>	Grid 6 <b>29.7 M4</b>
Grid 7 <b>32.0 M4</b>	Grid 8 <b>35.4 M4</b>	Grid 9 <b>33.7 M4</b>

**Cursor:**

Total = 35.4 V/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 35.4V/m

**#12 HAC\_E\_WCDMA IV\_RMC12.2K\_Ch1312\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1312/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 30.2 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 29.1 V/m; Power Drift = 0.092 dB

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

Peak E-field in V/m

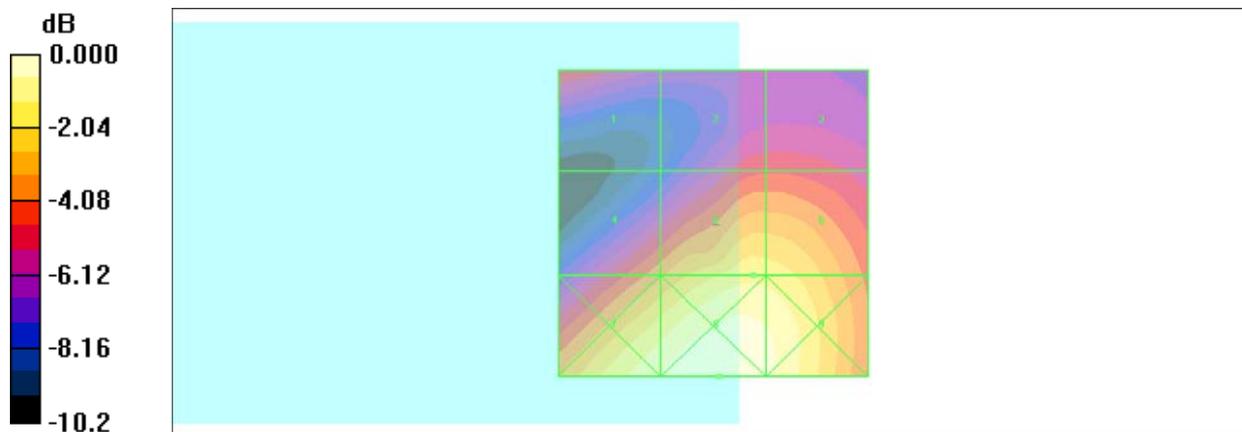
Grid 1 <b>21.3 M4</b>	Grid 2 <b>20.7 M4</b>	Grid 3 <b>20.7 M4</b>
Grid 4 <b>24.0 M4</b>	Grid 5 <b>30.2 M4</b>	Grid 6 <b>30.0 M4</b>
Grid 7 <b>33.6 M4</b>	Grid 8 <b>36.1 M4</b>	Grid 9 <b>34.2 M4</b>

**Cursor:**

Total = 36.1 V/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 36.1V/m

**#13 HAC\_E\_WCDMA IV\_RMC12.2K\_Ch1513\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch1513/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 30.7 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 28.8 V/m; Power Drift = 0.164 dB

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

Peak E-field in V/m

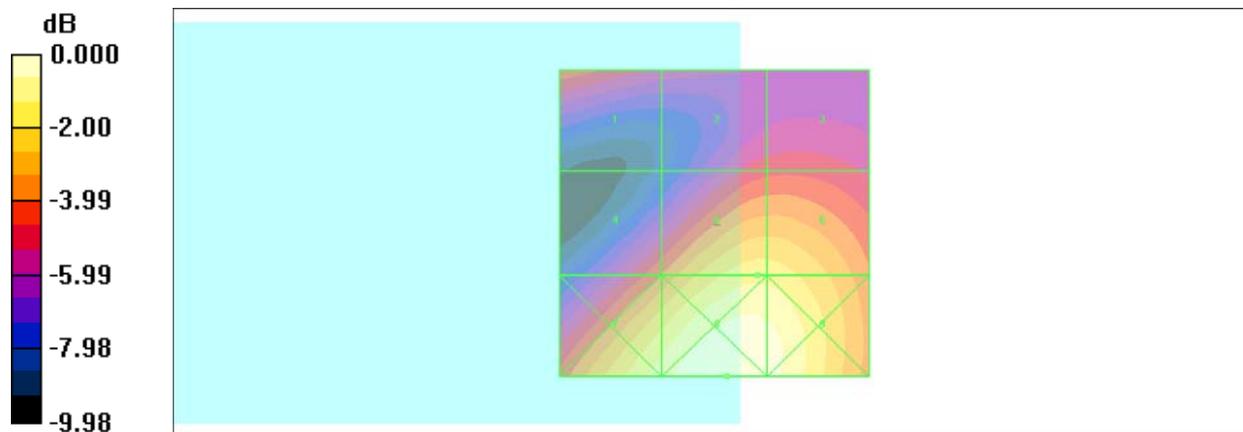
Grid 1 <b>22.9 M4</b>	Grid 2 <b>21.0 M4</b>	Grid 3 <b>21.2 M4</b>
Grid 4 <b>23.4 M4</b>	Grid 5 <b>30.7 M4</b>	Grid 6 <b>30.7 M4</b>
Grid 7 <b>32.9 M4</b>	Grid 8 <b>36.7 M4</b>	Grid 9 <b>35.3 M4</b>

**Cursor:**

Total = 36.7 V/m

E Category: M4

Location: -2, 25, 8.7 mm



0 dB = 36.7V/m

**#18 HAC\_H\_GSM850 Ch189\_Sample1\_Battery1**

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.105 A/m

Probe Modulation Factor = 1.35

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.039 A/m; Power Drift = 0.037 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

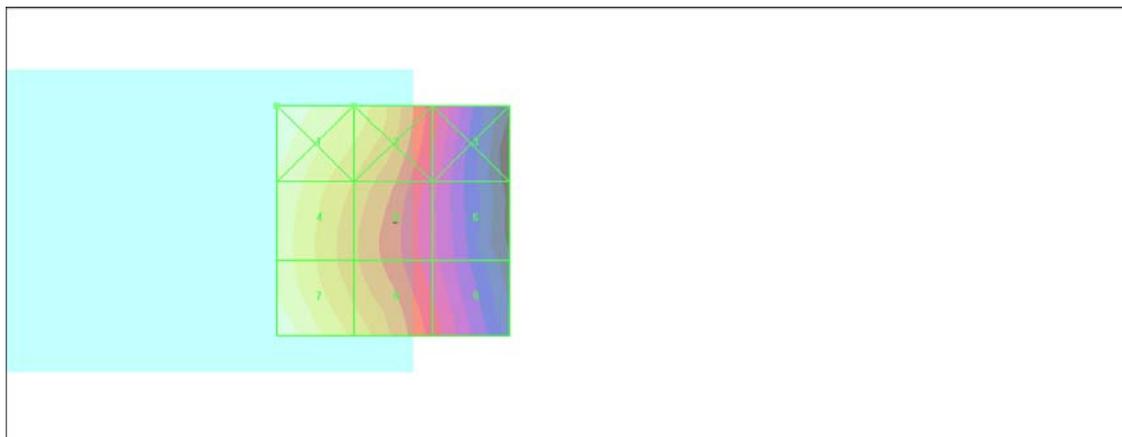
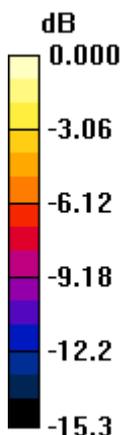
Grid 1 <b>0.108 M4</b>	Grid 2 <b>0.082 M4</b>	Grid 3 <b>0.044 M4</b>
Grid 4 <b>0.095 M4</b>	Grid 5 <b>0.067 M4</b>	Grid 6 <b>0.040 M4</b>
Grid 7 <b>0.105 M4</b>	Grid 8 <b>0.074 M4</b>	Grid 9 <b>0.045 M4</b>

**Cursor:**

Total = 0.108 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.108A/m

**#19 HAC\_H\_GSM850 Ch189\_Sample2\_Battery2**

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.096 A/m

Probe Modulation Factor = 1.35

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.035 A/m; Power Drift = 0.113 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

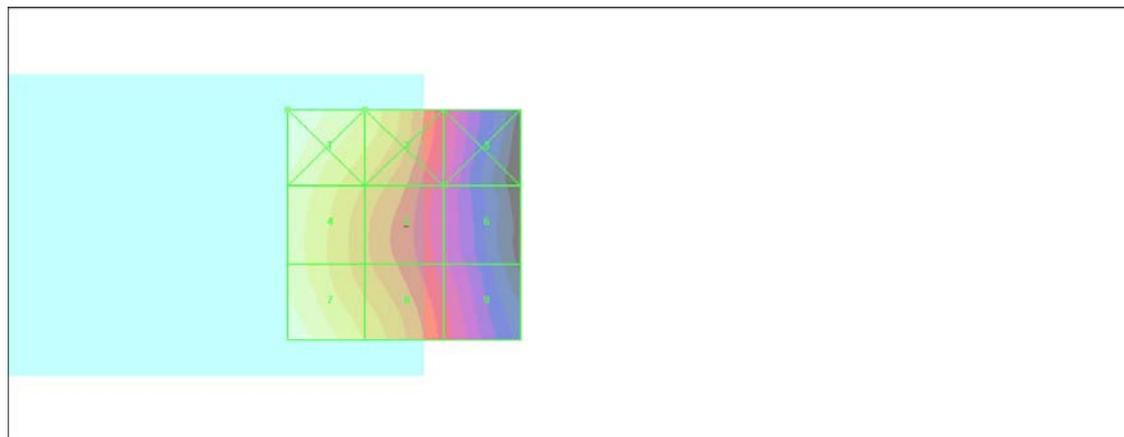
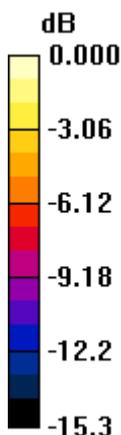
Grid 1 <b>0.098 M4</b>	Grid 2 <b>0.076 M4</b>	Grid 3 <b>0.040 M4</b>
Grid 4 <b>0.086 M4</b>	Grid 5 <b>0.061 M4</b>	Grid 6 <b>0.036 M4</b>
Grid 7 <b>0.096 M4</b>	Grid 8 <b>0.069 M4</b>	Grid 9 <b>0.041 M4</b>

**Cursor:**

Total = 0.098 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.098A/m

**#20 HAC\_H\_GSM850 Ch189\_Sample1\_Battery3**

**DUT: 121019**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.100 A/m

Probe Modulation Factor = 1.35

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.036 A/m; Power Drift = 0.165 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

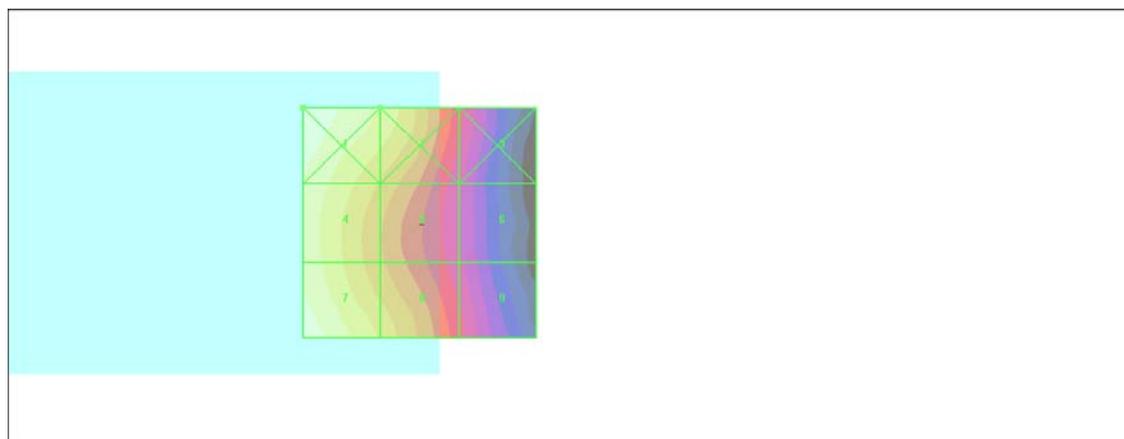
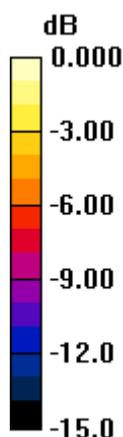
Grid 1 <b>0.103 M4</b>	Grid 2 <b>0.080 M4</b>	Grid 3 <b>0.043 M4</b>
Grid 4 <b>0.091 M4</b>	Grid 5 <b>0.065 M4</b>	Grid 6 <b>0.038 M4</b>
Grid 7 <b>0.100 M4</b>	Grid 8 <b>0.072 M4</b>	Grid 9 <b>0.043 M4</b>

**Cursor:**

Total = 0.103 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.103A/m

**#21 HAC\_H\_GSM850 Ch128\_Sample1\_Battery1**

**DUT: 121019**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4°C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.084 A/m

Probe Modulation Factor = 1.35

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.031 A/m; Power Drift = 0.240 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

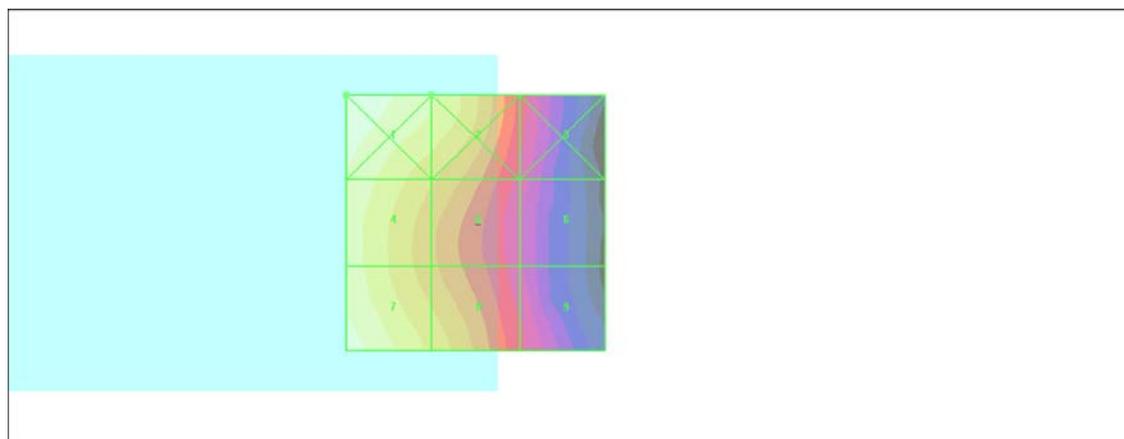
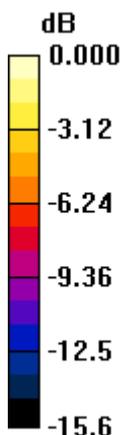
Grid 1 <b>0.088 M4</b>	Grid 2 <b>0.071 M4</b>	Grid 3 <b>0.037 M4</b>
Grid 4 <b>0.077 M4</b>	Grid 5 <b>0.055 M4</b>	Grid 6 <b>0.033 M4</b>
Grid 7 <b>0.084 M4</b>	Grid 8 <b>0.060 M4</b>	Grid 9 <b>0.035 M4</b>

**Cursor:**

Total = 0.088 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.088A/m

**#22 HAC\_H\_GSM850 Ch251\_Sample1\_Battery1**

**DUT: 121019**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.117 A/m

Probe Modulation Factor = 1.35

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.044 A/m; Power Drift = -0.007 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

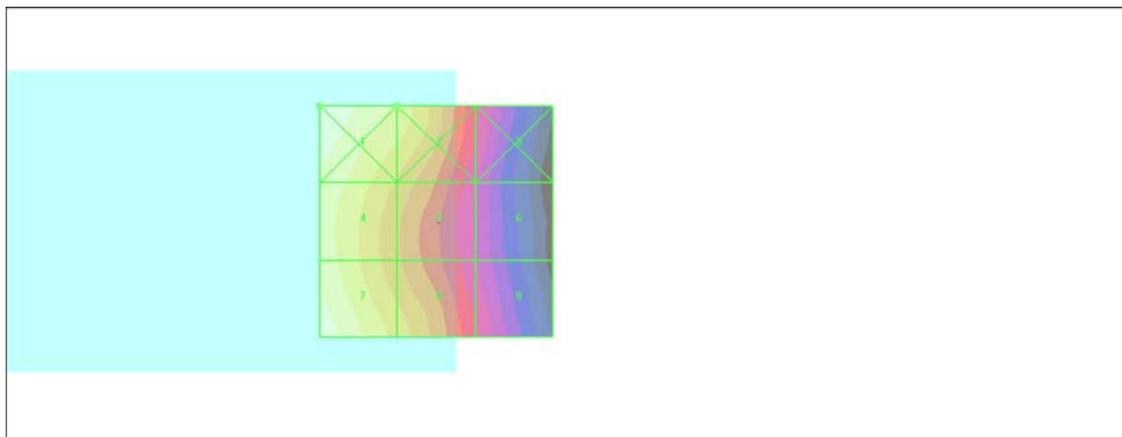
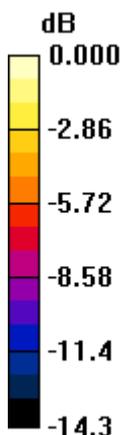
Grid 1 <b>0.121 M4</b>	Grid 2 <b>0.094 M4</b>	Grid 3 <b>0.052 M4</b>
Grid 4 <b>0.107 M4</b>	Grid 5 <b>0.077 M4</b>	Grid 6 <b>0.046 M4</b>
Grid 7 <b>0.117 M4</b>	Grid 8 <b>0.084 M4</b>	Grid 9 <b>0.051 M4</b>

**Cursor:**

Total = 0.121 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.121A/m

**#23 HAC\_H\_GSM1900 Ch661\_Sample1\_Battery1**

**DUT: 121019**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH661/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.063 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.054 A/m; Power Drift = 0.034 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

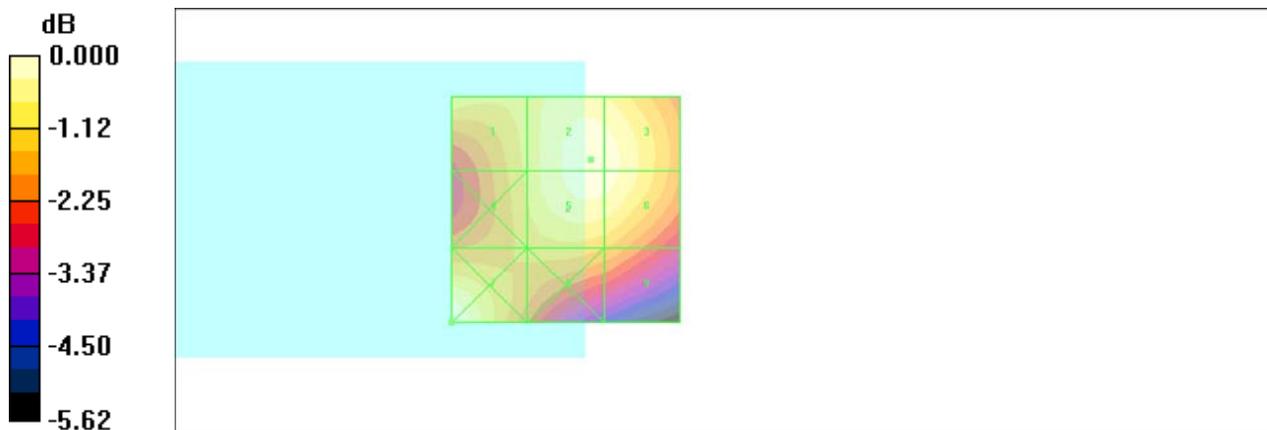
Grid 1 <b>0.059 M4</b>	Grid 2 <b>0.063 M4</b>	Grid 3 <b>0.063 M4</b>
Grid 4 <b>0.057 M4</b>	Grid 5 <b>0.063 M4</b>	Grid 6 <b>0.062 M4</b>
Grid 7 <b>0.064 M4</b>	Grid 8 <b>0.056 M4</b>	Grid 9 <b>0.054 M4</b>

**Cursor:**

Total = 0.064 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.064A/m

**#24 HAC\_H\_GSM1900 Ch512\_Sample1\_Battery1**

**DUT: 121019**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH512/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.059 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.050 A/m; Power Drift = 0.078 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

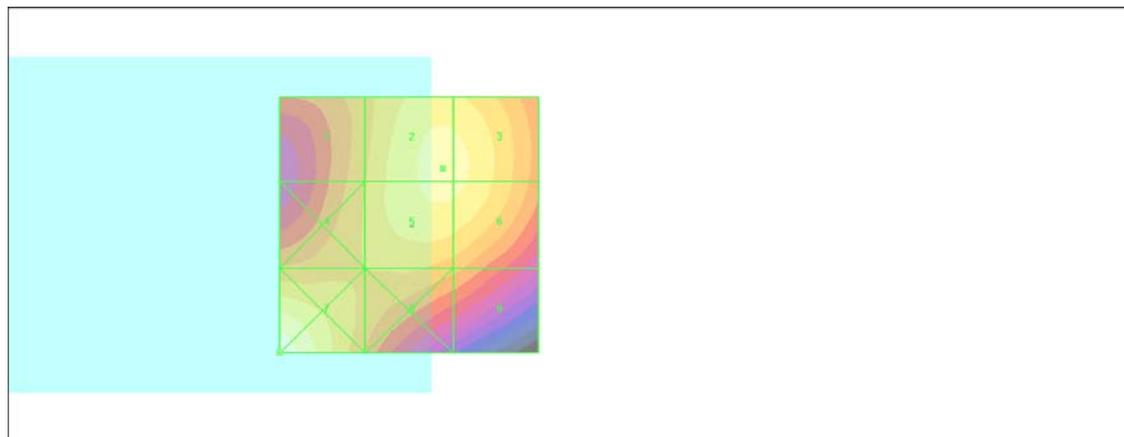
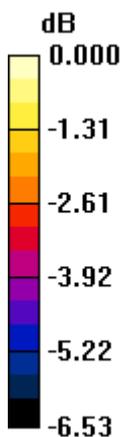
Grid 1 <b>0.052 M4</b>	Grid 2 <b>0.059 M4</b>	Grid 3 <b>0.059 M4</b>
Grid 4 <b>0.053 M4</b>	Grid 5 <b>0.059 M4</b>	Grid 6 <b>0.059 M4</b>
Grid 7 <b>0.064 M4</b>	Grid 8 <b>0.053 M4</b>	Grid 9 <b>0.051 M4</b>

**Cursor:**

Total = 0.064 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.064A/m

**#25 HAC\_H\_GSM1900 Ch810\_Sample1\_Battery1**

**DUT: 121019**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH810/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.067 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.058 A/m; Power Drift = -0.002 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

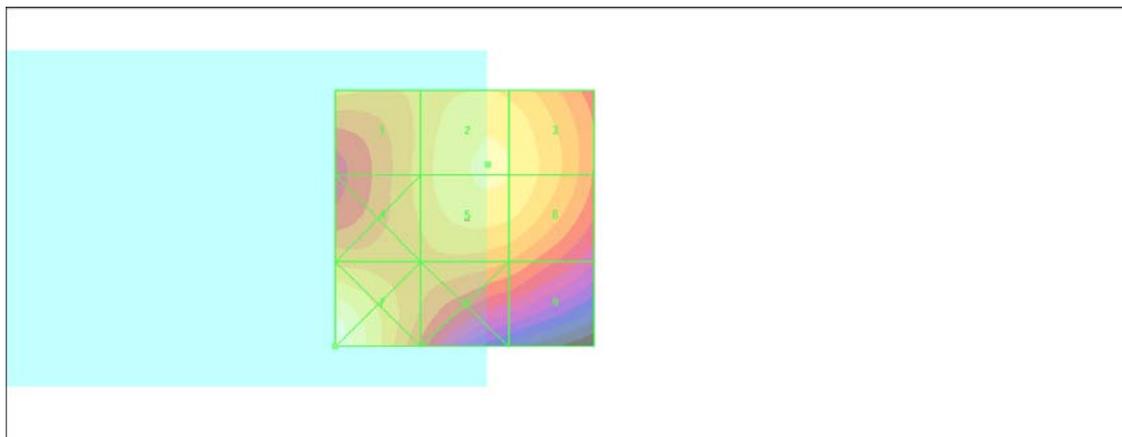
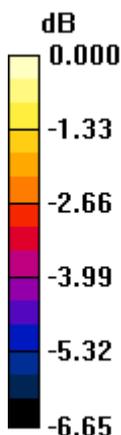
Grid 1 <b>0.062 M4</b>	Grid 2 <b>0.067 M4</b>	Grid 3 <b>0.067 M4</b>
Grid 4 <b>0.062 M4</b>	Grid 5 <b>0.067 M4</b>	Grid 6 <b>0.067 M4</b>
Grid 7 <b>0.074 M4</b>	Grid 8 <b>0.059 M4</b>	Grid 9 <b>0.057 M4</b>

**Cursor:**

Total = 0.074 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.074A/m

**#26 HAC\_H\_WCDMA IV\_RMC12.2k\_CH1413\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH1413/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.043 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.089 A/m; Power Drift = 0.006 dB

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

Peak H-field in A/m

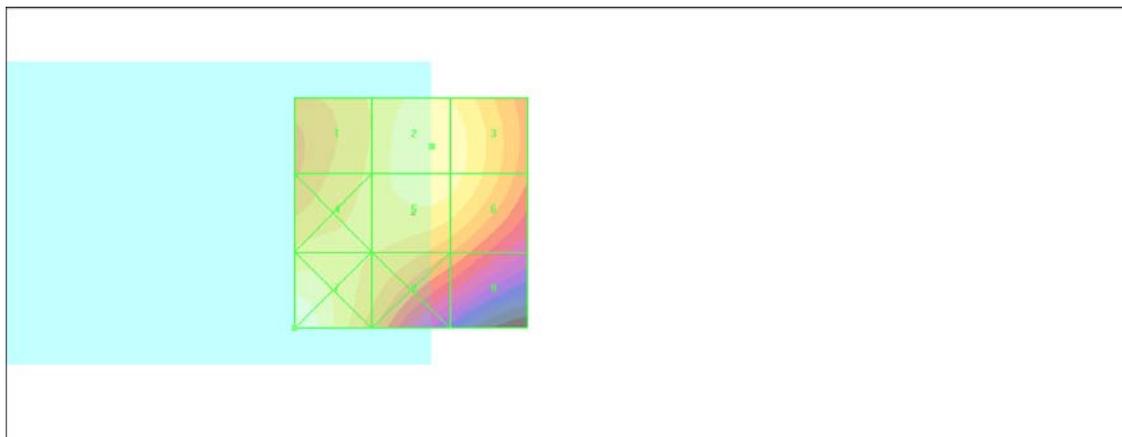
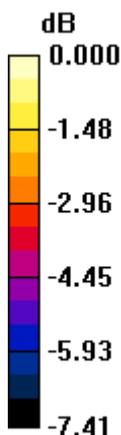
Grid 1 <b>0.039 M4</b>	Grid 2 <b>0.043 M4</b>	Grid 3 <b>0.043 M4</b>
Grid 4 <b>0.040 M4</b>	Grid 5 <b>0.043 M4</b>	Grid 6 <b>0.042 M4</b>
Grid 7 <b>0.046 M4</b>	Grid 8 <b>0.039 M4</b>	Grid 9 <b>0.035 M4</b>

**Cursor:**

Total = 0.046 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.046A/m

**#27 HAC\_H\_WCDMA IV\_RMC12.2k\_CH1312\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.4 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH1312/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.045 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.094 A/m; Power Drift = 0.025 dB

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

Peak H-field in A/m

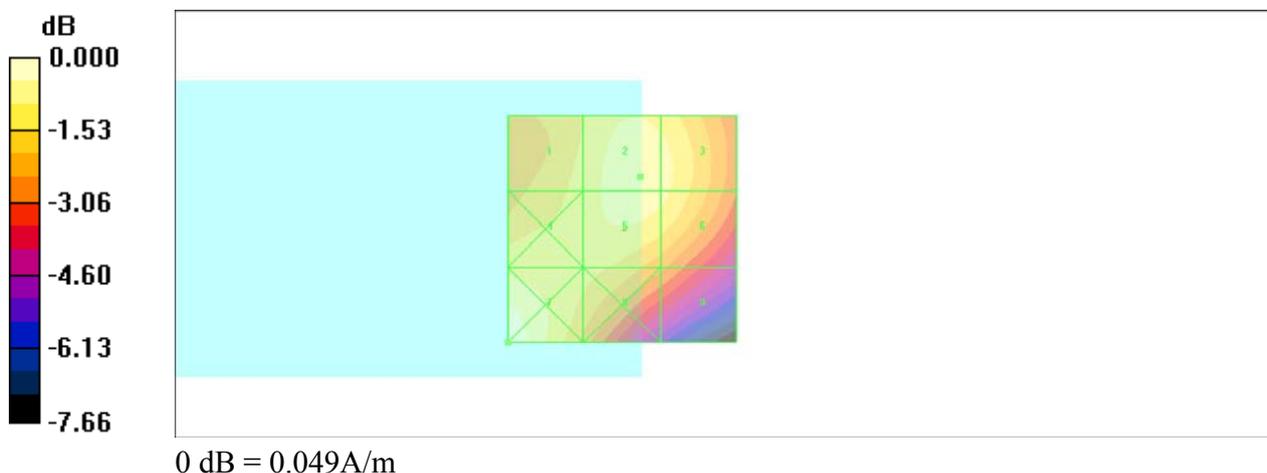
Grid 1 <b>0.042 M4</b>	Grid 2 <b>0.045 M4</b>	Grid 3 <b>0.045 M4</b>
Grid 4 <b>0.043 M4</b>	Grid 5 <b>0.045 M4</b>	Grid 6 <b>0.044 M4</b>
Grid 7 <b>0.049 M4</b>	Grid 8 <b>0.042 M4</b>	Grid 9 <b>0.037 M4</b>

**Cursor:**

Total = 0.049 A/m

H Category: M4

Location: 25, 25, 8.7 mm



**#28 HAC\_H\_WCDMA IV\_RMC12.2k\_CH1513\_Sample1\_Battery1**

**DUT: 121019**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH1513/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.047 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.097 A/m; Power Drift = 0.137 dB

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

Peak H-field in A/m

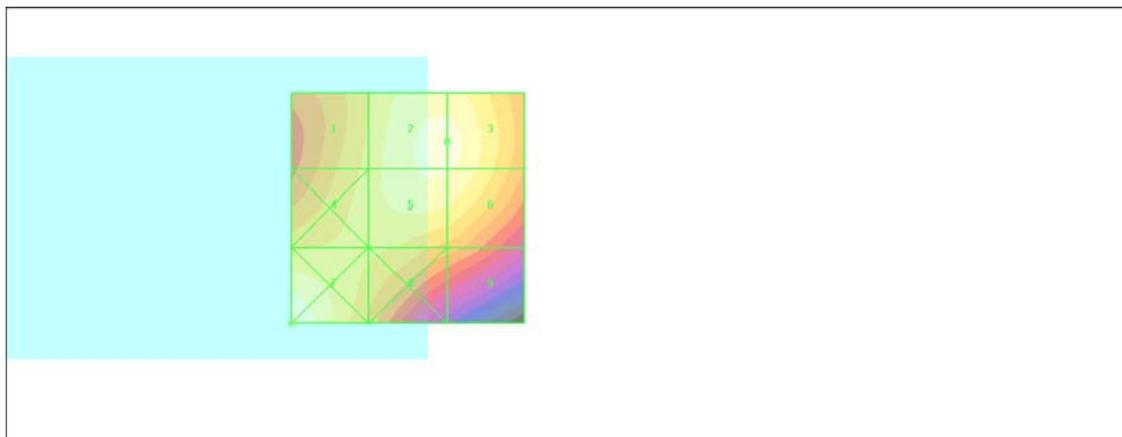
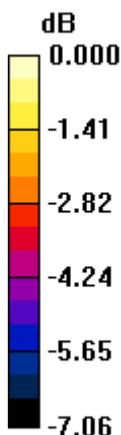
Grid 1 <b>0.043 M4</b>	Grid 2 <b>0.047 M4</b>	Grid 3 <b>0.047 M4</b>
Grid 4 <b>0.043 M4</b>	Grid 5 <b>0.047 M4</b>	Grid 6 <b>0.047 M4</b>
Grid 7 <b>0.049 M4</b>	Grid 8 <b>0.042 M4</b>	Grid 9 <b>0.039 M4</b>

**Cursor:**

Total = 0.049 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.049A/m