

#05 HAC_E_GSM850_Ch128

DUT: 112819-02

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/m³

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; Serial
- 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 = 118.9 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 52.9 V/m; Power Drift = -0.386 dB

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

Peak E-field in V/m

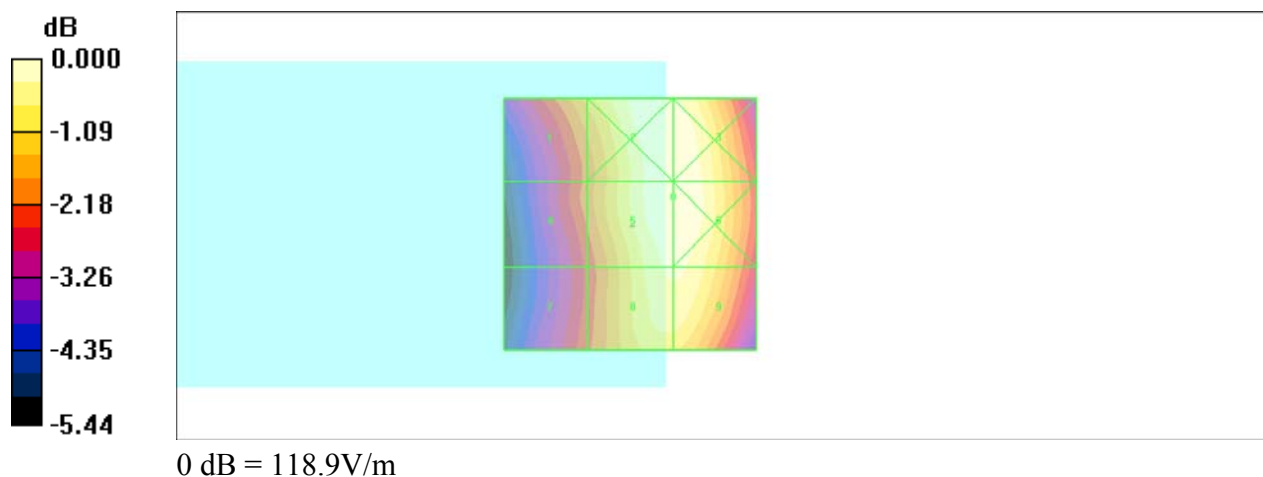
Grid 1 102.1 M4	Grid 2 118.7 M4	Grid 3 118.5 M4
Grid 4 95.0 M4	Grid 5 118.9 M4	Grid 6 118.9 M4
Grid 7 91.9 M4	Grid 8 115.0 M4	Grid 9 115.1 M4

Cursor:

Total = 118.9 V/m

E Category: M4

Location: -8.5, -5.5, 8.7 mm



#04 HAC_E_GSM850_Ch189

DUT: 112819-02

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/m³

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; Serial
- 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 = 123.5 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 53.2 V/m; Power Drift = -0.163 dB

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

Peak E-field in V/m

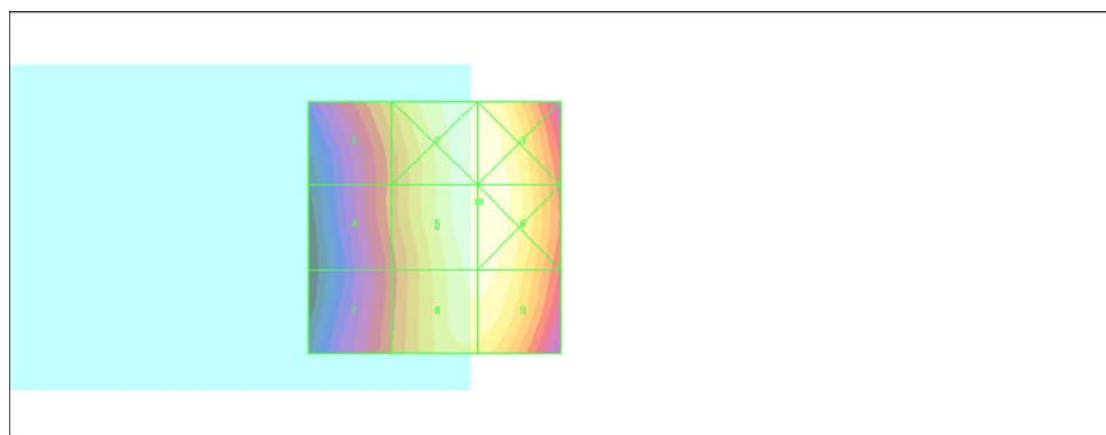
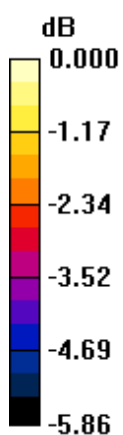
Grid 1 103.6 M4	Grid 2 122.9 M4	Grid 3 122.9 M4
Grid 4 96.7 M4	Grid 5 123.5 M4	Grid 6 123.6 M4
Grid 7 94.6 M4	Grid 8 119.8 M4	Grid 9 119.9 M4

Cursor:

Total = 123.6 V/m

E Category: M4

Location: -9, -5, 8.7 mm



0 dB = 123.6V/m

#06 HAC_E_GSM850_Ch251

DUT: 112819-02

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/m³

Ambient Temperature : 22.5 °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; Serial
- 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 = 112.5 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 46.9 V/m; Power Drift = 0.029 dB

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

Peak E-field in V/m

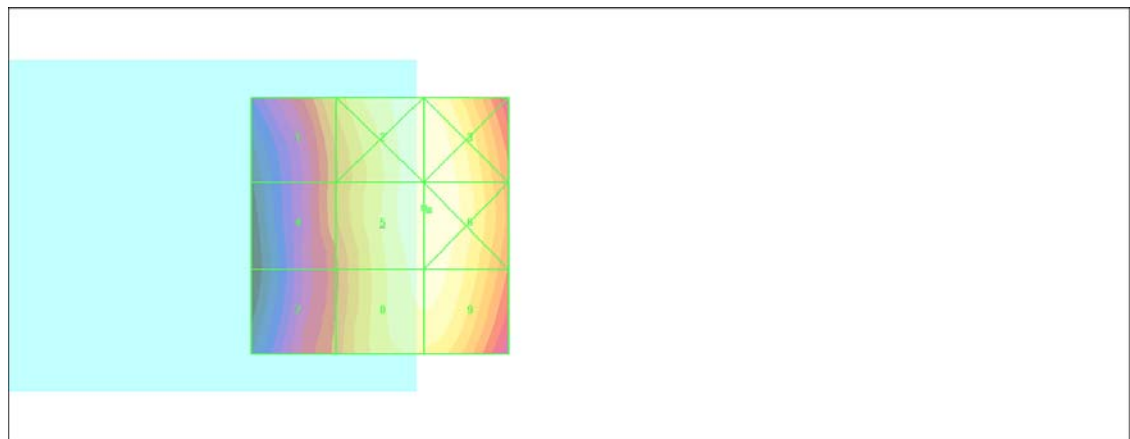
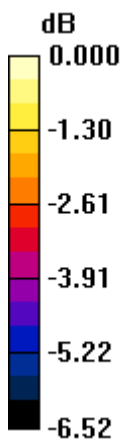
Grid 1 94.1 M4	Grid 2 111.2 M4	Grid 3 111.3 M4
Grid 4 87.7 M4	Grid 5 112.5 M4	Grid 6 112.7 M4
Grid 7 85.1 M4	Grid 8 109.5 M4	Grid 9 109.6 M4

Cursor:

Total = 112.7 V/m

E Category: M4

Location: -9.5, -3, 8.7 mm



0 dB = 112.7V/m

#02 HAC_E_GSM1900_Ch512**DUT: 112819-02**

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/m³

Ambient Temperature : 22.4

DASY5 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; Serial
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of peak Total field = 37.3 V/m

Probe Modulation Factor = 2.66

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.51 V/m; Power Drift = 0.080 dB

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

Peak E-field in V/m

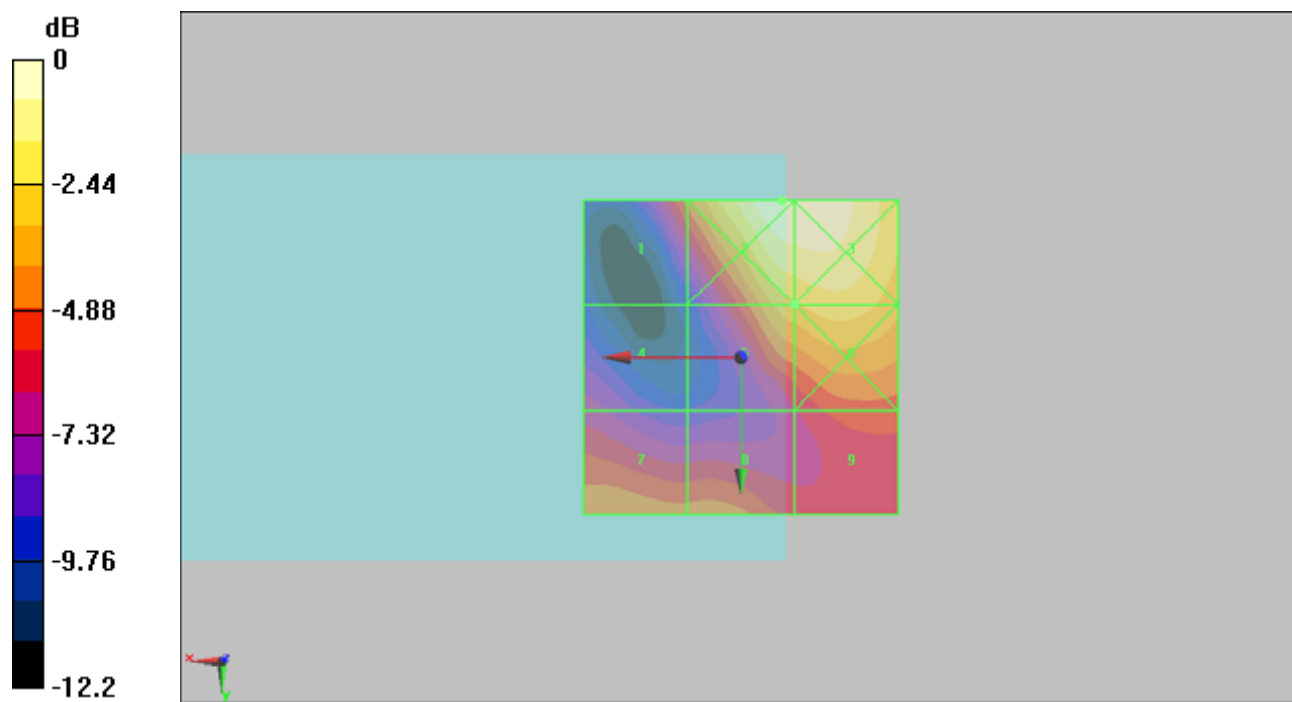
Grid 1 29.9 M4	Grid 2 49.9 M3	Grid 3 49.3 M3
Grid 4 22.8 M4	Grid 5 37.3 M4	Grid 6 39.8 M4
Grid 7 31.3 M4	Grid 8 30.2 M4	Grid 9 27.7 M4

Cursor:

Total = 49.9 V/m

E Category: M3

Location: -6.5, -25, 8.7 mm



0 dB = 49.9V/m

#01 HAC_E_GSM1900_Ch661**DUT: 112819-02**

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/m³

Ambient Temperature : 22.5

DASY5 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; Serial
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of peak Total field = 37.2 V/m

Probe Modulation Factor = 2.66

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.76 V/m; Power Drift = -0.034 dB

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

Peak E-field in V/m

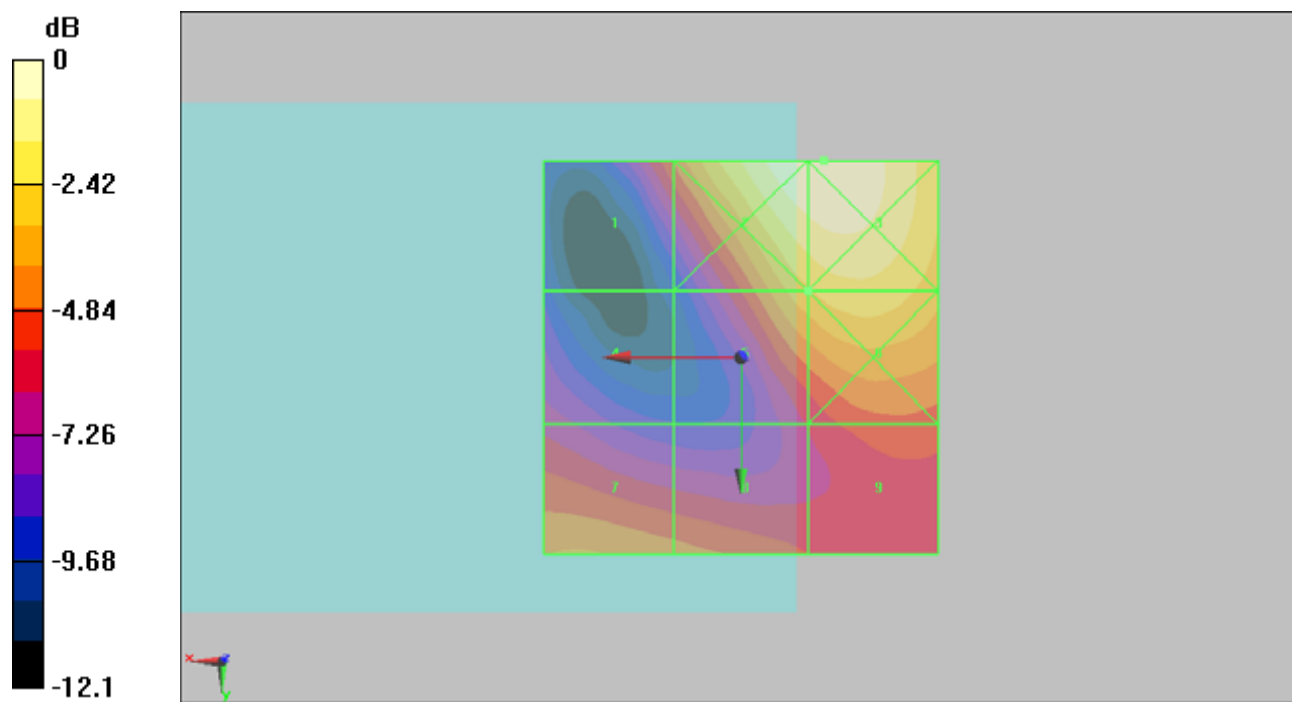
Grid 1 29.1 M4	Grid 2 49.4 M3	Grid 3 49.7 M3
Grid 4 23.1 M4	Grid 5 37.2 M4	Grid 6 40.2 M4
Grid 7 31.7 M4	Grid 8 29.9 M4	Grid 9 27.9 M4

Cursor:

Total = 49.7 V/m

E Category: M3

Location: -10.5, -25, 8.7 mm



0 dB = 49.7V/m

#03 HAC_E_GSM1900_Ch810**DUT: 112819-02**

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/m³

Ambient Temperature : 22.4

DASY5 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; Serial
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

Maximum value of peak Total field = 34.4 V/m

Probe Modulation Factor = 2.66

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.05 V/m; Power Drift = 0.309 dB

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

Peak E-field in V/m

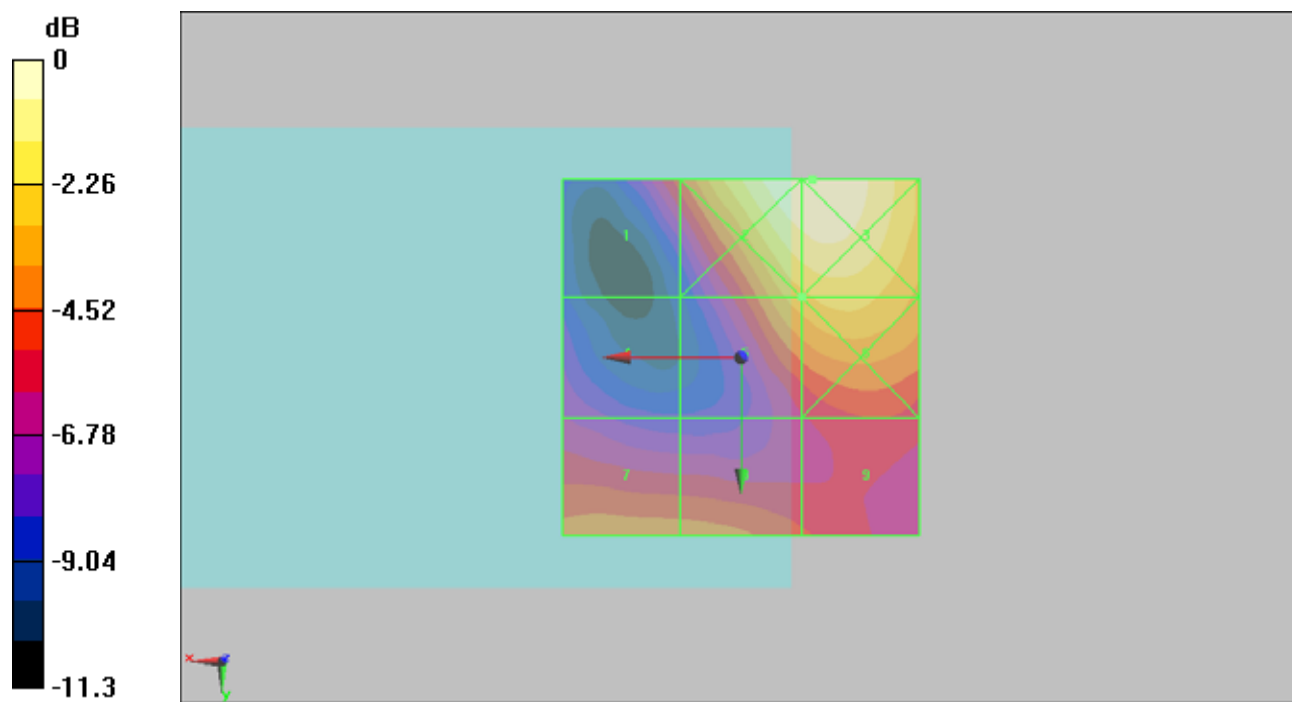
Grid 1 26.8 M4	Grid 2 45.6 M4	Grid 3 45.8 M4
Grid 4 21.3 M4	Grid 5 34.4 M4	Grid 6 36.6 M4
Grid 7 28.9 M4	Grid 8 28.7 M4	Grid 9 25.5 M4

Cursor:

Total = 45.8 V/m

E Category: M4

Location: -10, -25, 8.7 mm



#11 HAC_E_WCDMA V_RMC12.2k_CH4132

DUT: 112819-02

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °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; Serial
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CH4132/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 39.4 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 42.8 V/m; Power Drift = -0.049 dB

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

Peak E-field in V/m

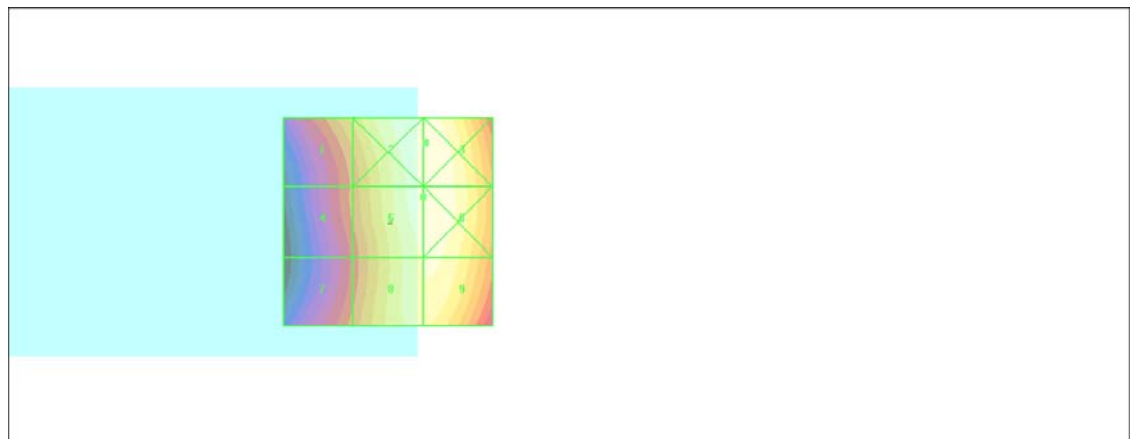
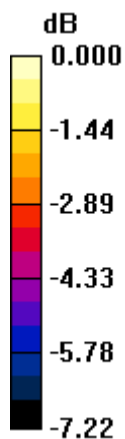
Grid 1 32.4 M4	Grid 2 39.8 M4	Grid 3 39.8 M4
Grid 4 29.1 M4	Grid 5 39.4 M4	Grid 6 39.6 M4
Grid 7 29.3 M4	Grid 8 37.9 M4	Grid 9 38.1 M4

Cursor:

Total = 39.8 V/m

E Category: M4

Location: -9, -19, 8.7 mm



0 dB = 39.8V/m

#10 HAC_E_WCDMA V_RMC12.2k_CH4182**DUT: 112819-02**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

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; Serial

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

CH4182/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 36.4 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 38.0 V/m; Power Drift = 0.234 dB

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

Peak E-field in V/m

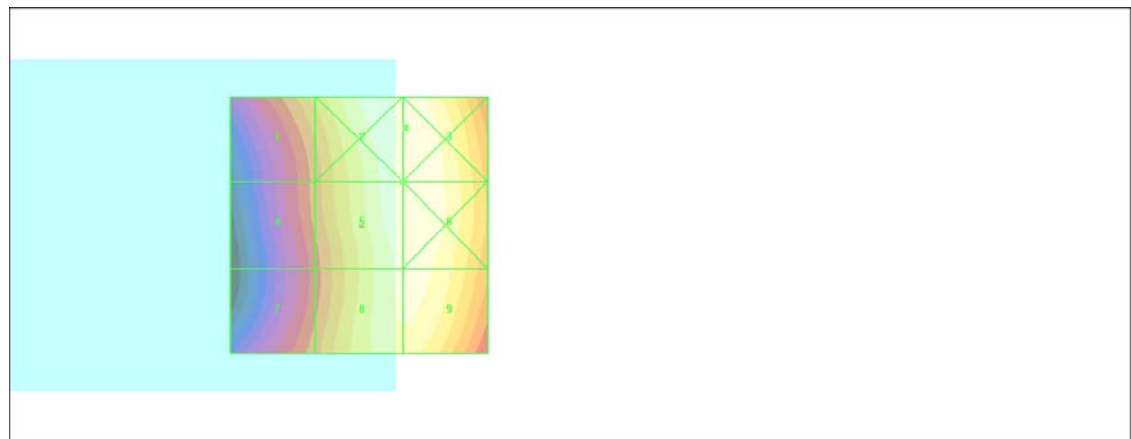
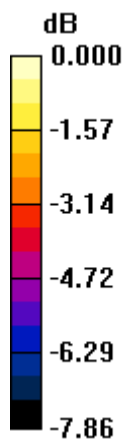
Grid 1 29.5 M4	Grid 2 36.8 M4	Grid 3 36.8 M4
Grid 4 26.5 M4	Grid 5 36.4 M4	Grid 6 36.6 M4
Grid 7 26.8 M4	Grid 8 35.2 M4	Grid 9 35.4 M4

Cursor:

Total = 36.8 V/m

E Category: M4

Location: -9, -19, 8.7 mm



0 dB = 36.8V/m

#12 HAC_E_WCDMA V_RMC12.2k_CH4233

DUT: 112819-02

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °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; Serial
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CH4233/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 38.6 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 40.4 V/m; Power Drift = 0.330 dB

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

Peak E-field in V/m

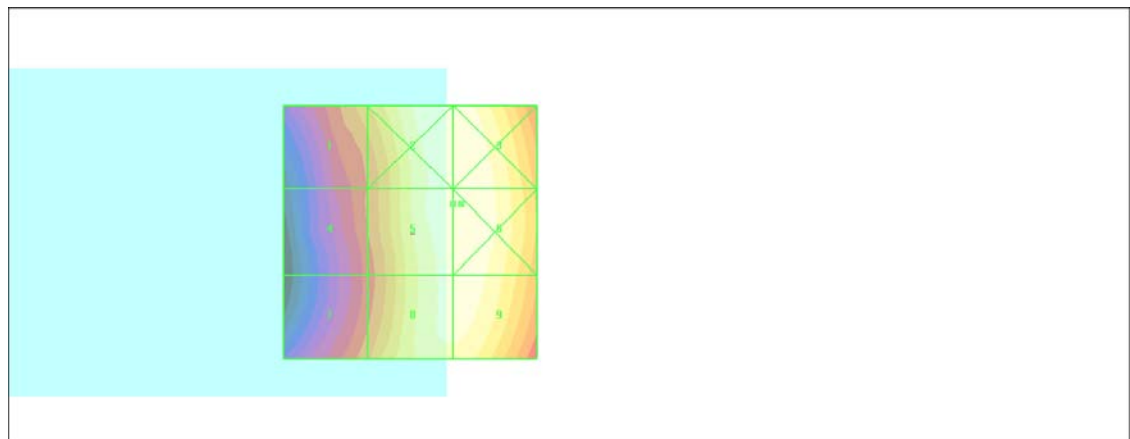
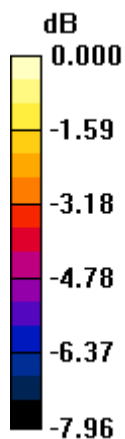
Grid 1 30.1 M4	Grid 2 38.6 M4	Grid 3 38.6 M4
Grid 4 27.1 M4	Grid 5 38.6 M4	Grid 6 38.7 M4
Grid 7 28.2 M4	Grid 8 37.6 M4	Grid 9 37.8 M4

Cursor:

Total = 38.7 V/m

E Category: M4

Location: -10, -5.5, 8.7 mm



0 dB = 38.7V/m

#08 HAC_E_WCDMA II_RMC12.2k_CH9262

DUT: 112819-02

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °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; Serial

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

CH9262/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 17.3 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 13.3 V/m; Power Drift = 0.171 dB

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

Peak E-field in V/m

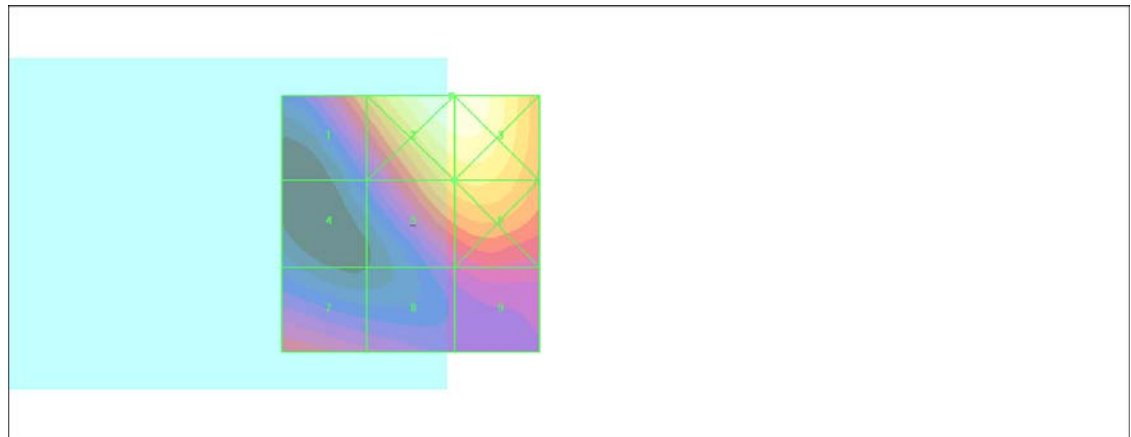
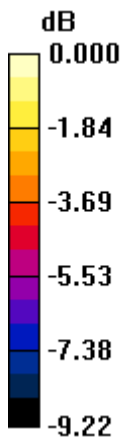
Grid 1 15.7 M4	Grid 2 21.7 M4	Grid 3 21.7 M4
Grid 4 10.1 M4	Grid 5 17.3 M4	Grid 6 17.9 M4
Grid 7 13.2 M4	Grid 8 11.8 M4	Grid 9 12.3 M4

Cursor:

Total = 21.7 V/m

E Category: M4

Location: -8, -25, 8.7 mm



0 dB = 21.7V/m

#07 HAC_E_WCDMA II_RMC12.2k_CH9400**DUT: 112819-02**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °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; Serial
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

CH9400/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 14.8 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 11.7 V/m; Power Drift = -0.103 dB

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

Peak E-field in V/m

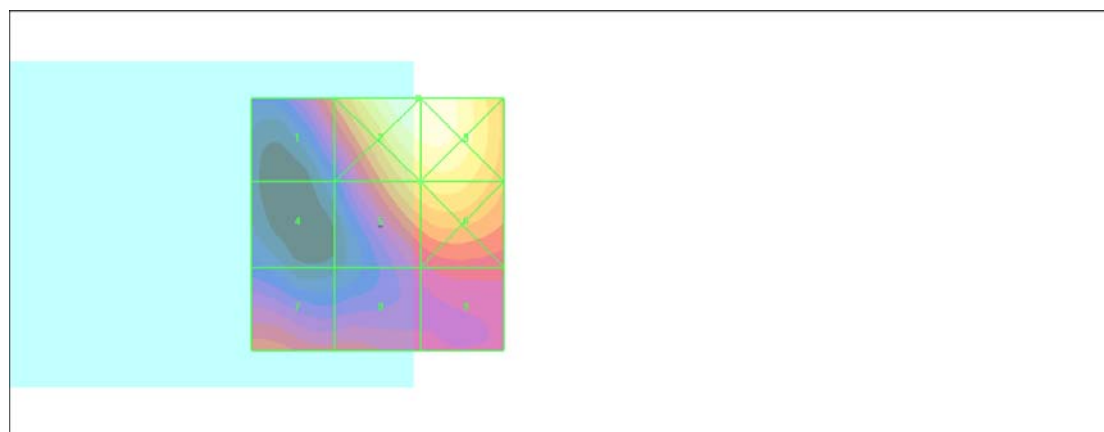
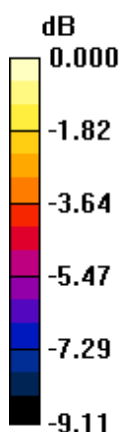
Grid 1 12.3 M4	Grid 2 18.1 M4	Grid 3 18.1 M4
Grid 4 8.13 M4	Grid 5 14.8 M4	Grid 6 15.3 M4
Grid 7 11.7 M4	Grid 8 10.9 M4	Grid 9 10.8 M4

Cursor:

Total = 18.1 V/m

E Category: M4

Location: -8, -25, 8.7 mm



0 dB = 18.1V/m

#09 HAC_E_WCDMA II_RMC12.2k_CH9538

DUT: 112819-02

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

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; Serial

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

CH9538/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 13.2 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 11.0 V/m; Power Drift = 0.030 dB

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

Peak E-field in V/m

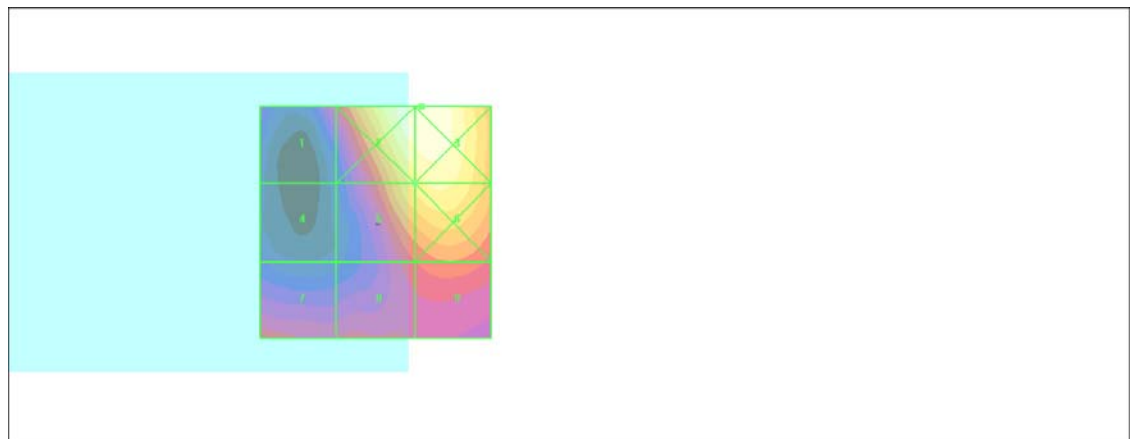
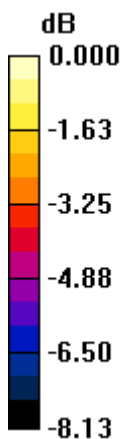
Grid 1 9.51 M4	Grid 2 15.4 M4	Grid 3 15.5 M4
Grid 4 7.51 M4	Grid 5 13.2 M4	Grid 6 13.9 M4
Grid 7 9.90 M4	Grid 8 10.0 M4	Grid 9 10.6 M4

Cursor:

Total = 15.5 V/m

E Category: M4

Location: -10, -25, 8.7 mm



0 dB = 15.5V/m

#17 HAC_H_GSM850_CH128

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.122 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.045 A/m; Power Drift = 0.060 dB

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

Peak H-field in A/m

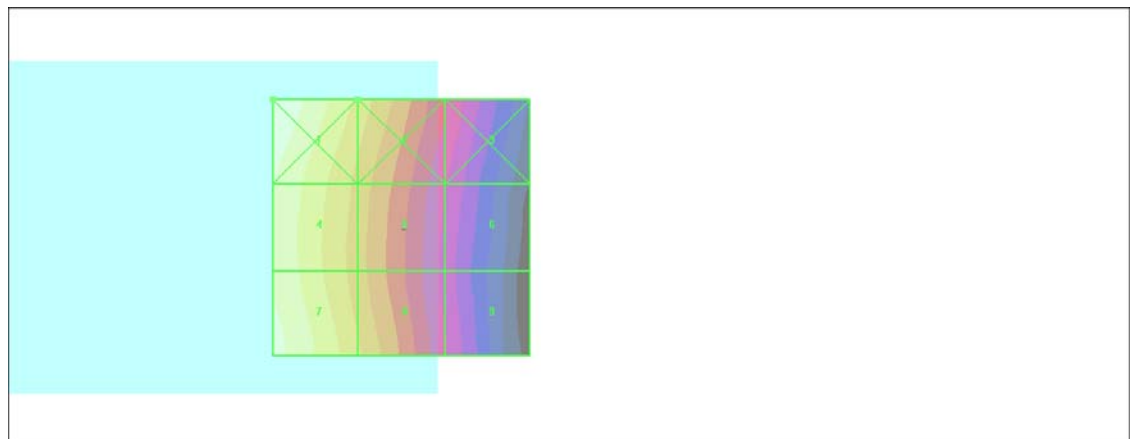
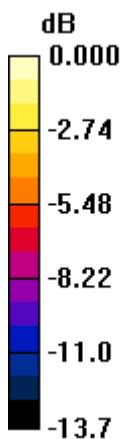
Grid 1 0.130 M4	Grid 2 0.092 M4	Grid 3 0.057 M4
Grid 4 0.117 M4	Grid 5 0.083 M4	Grid 6 0.051 M4
Grid 7 0.122 M4	Grid 8 0.087 M4	Grid 9 0.051 M4

Cursor:

Total = 0.130 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.130A/m

#16 HAC_H_GSM850_CH189

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.129 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.047 A/m; Power Drift = -0.404 dB

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

Peak H-field in A/m

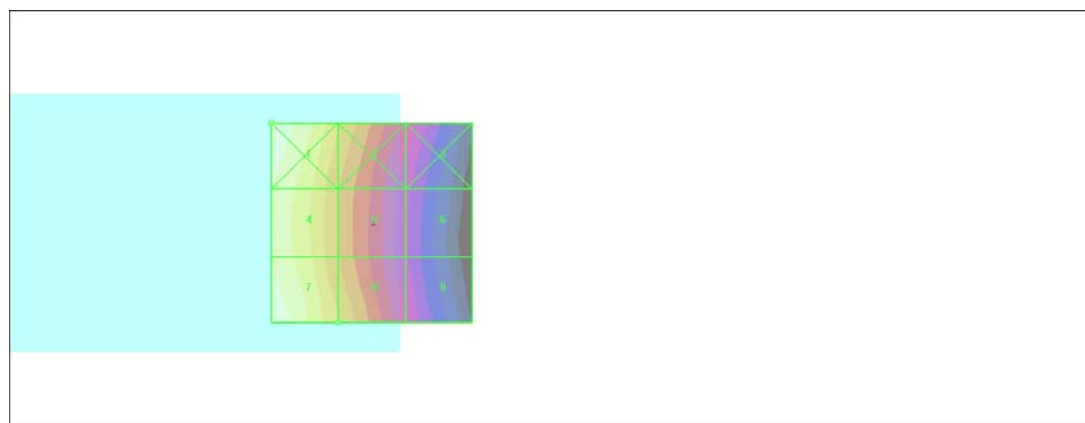
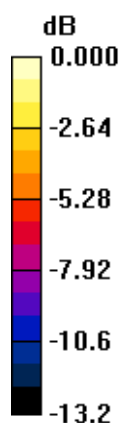
Grid 1 0.133 M4	Grid 2 0.090 M4	Grid 3 0.057 M4
Grid 4 0.122 M4	Grid 5 0.081 M4	Grid 6 0.051 M4
Grid 7 0.129 M4	Grid 8 0.090 M4	Grid 9 0.055 M4

Cursor:

Total = 0.133 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.133A/m

#18 HAC_H_GSM850_CH251

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.127 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.047 A/m; Power Drift = 0.052 dB

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

Peak H-field in A/m

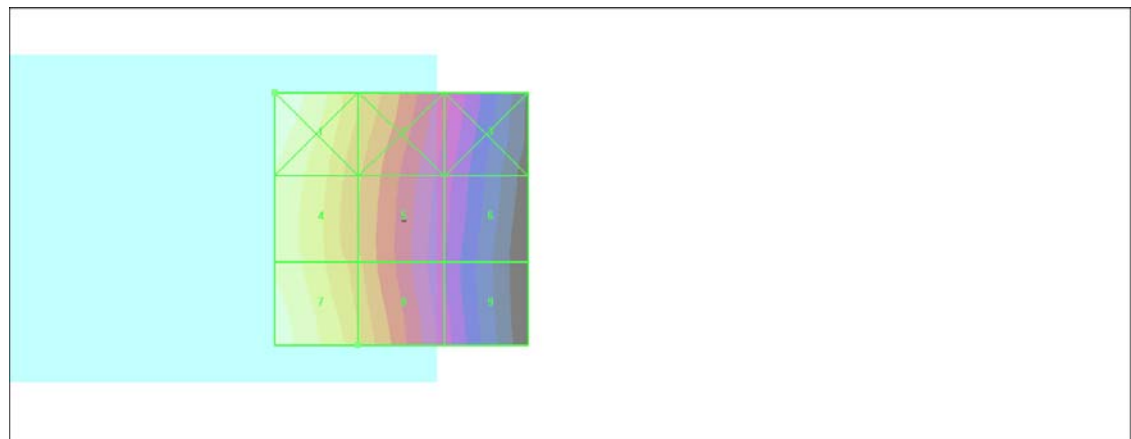
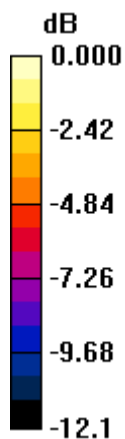
Grid 1 0.132 M4	Grid 2 0.092 M4	Grid 3 0.060 M4
Grid 4 0.120 M4	Grid 5 0.085 M4	Grid 6 0.055 M4
Grid 7 0.127 M4	Grid 8 0.093 M4	Grid 9 0.055 M4

Cursor:

Total = 0.132 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.132A/m

#14 HAC_H_GSM1900_CH512

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.040 A/m

Probe Modulation Factor = 1.14

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.033 A/m; Power Drift = -0.032 dB

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

Peak H-field in A/m

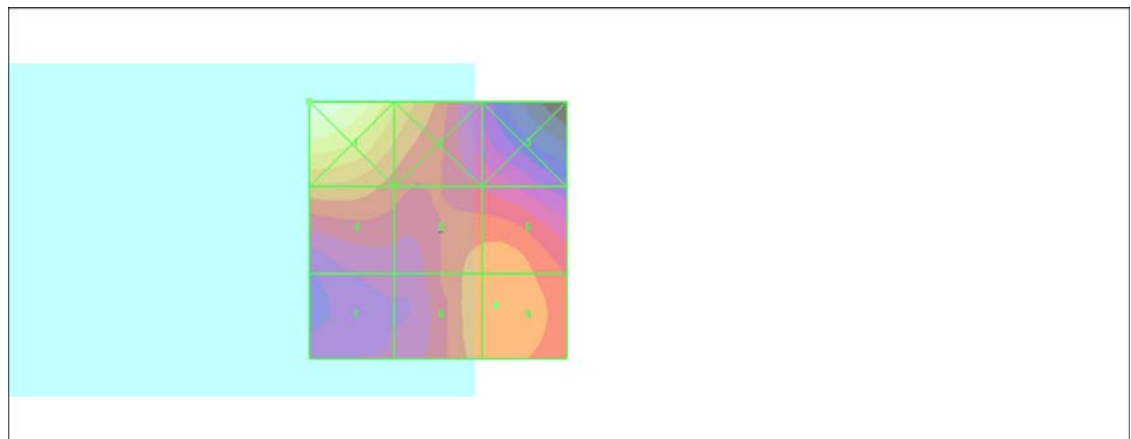
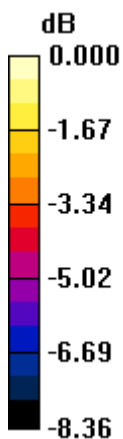
Grid 1 0.056 M4	Grid 2 0.044 M4	Grid 3 0.034 M4
Grid 4 0.040 M4	Grid 5 0.040 M4	Grid 6 0.040 M4
Grid 7 0.032 M4	Grid 8 0.040 M4	Grid 9 0.040 M4

Cursor:

Total = 0.056 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.056A/m

#13 HAC_H_GSM1900_CH661

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.035 A/m

Probe Modulation Factor = 1.14

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.029 A/m; Power Drift = 0.188 dB

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

Peak H-field in A/m

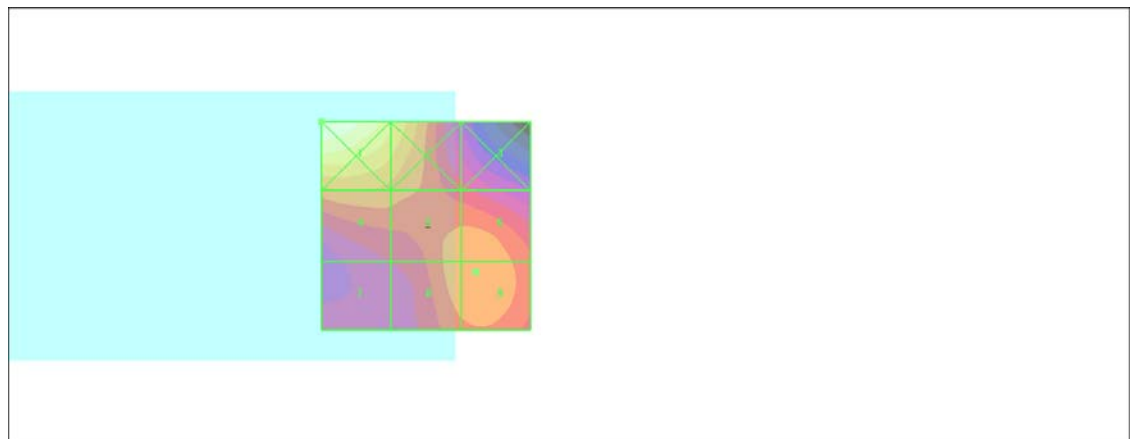
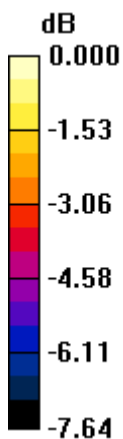
Grid 1 0.047 M4	Grid 2 0.040 M4	Grid 3 0.030 M4
Grid 4 0.035 M4	Grid 5 0.035 M4	Grid 6 0.035 M4
Grid 7 0.030 M4	Grid 8 0.035 M4	Grid 9 0.035 M4

Cursor:

Total = 0.047 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.047 A/m

#15 HAC_H_GSM1900_CH810

DUT: 112819-02

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/m³

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; Serial
- 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 = 0.030 A/m

Probe Modulation Factor = 1.14

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.021 A/m; Power Drift = 0.209 dB

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

Peak H-field in A/m

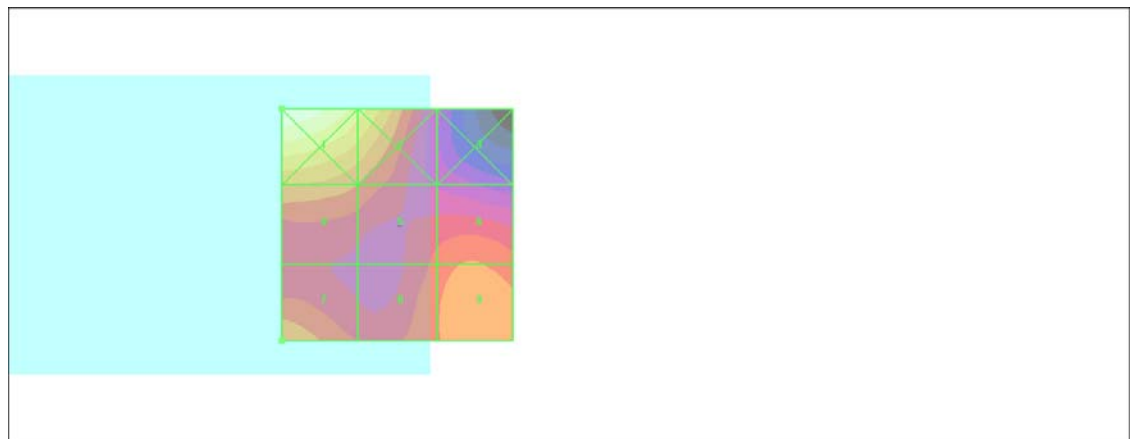
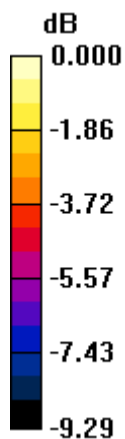
Grid 1 0.042 M4	Grid 2 0.035 M4	Grid 3 0.022 M4
Grid 4 0.030 M4	Grid 5 0.027 M4	Grid 6 0.028 M4
Grid 7 0.029 M4	Grid 8 0.027 M4	Grid 9 0.029 M4

Cursor:

Total = 0.042 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.042 A/m

#23 HAC_H_WCDMA V_RMC12.2k_CH4132

DUT: 112819-02

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH4132/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.071 A/m

Probe Modulation Factor = 0.830

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.046 A/m; Power Drift = 0.156 dB

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

Peak H-field in A/m

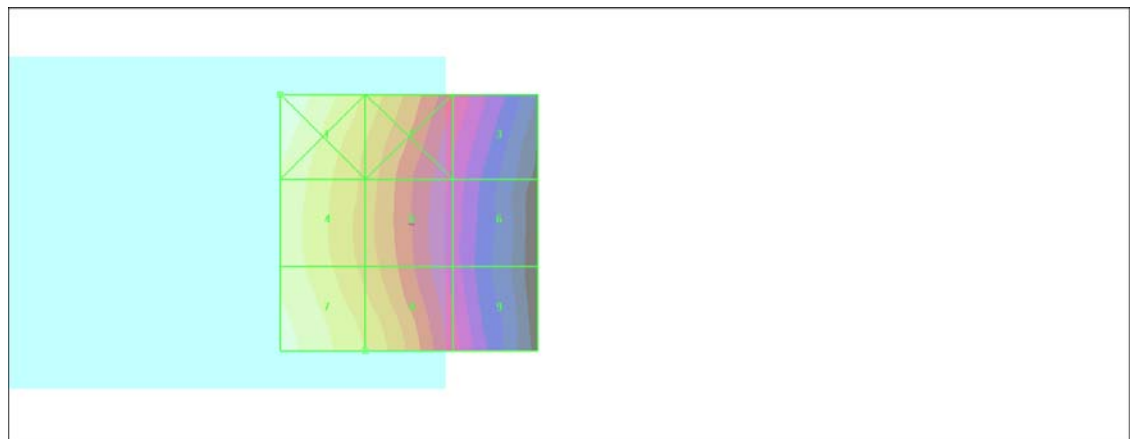
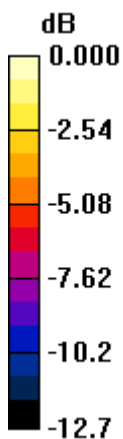
Grid 1 0.075 M4	Grid 2 0.055 M4	Grid 3 0.035 M4
Grid 4 0.067 M4	Grid 5 0.049 M4	Grid 6 0.031 M4
Grid 7 0.071 M4	Grid 8 0.056 M4	Grid 9 0.033 M4

Cursor:

Total = 0.075 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.075A/m

#22 HAC_H_WCDMA V_RMC12.2k_CH4182

DUT: 112819-02

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH4182/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.069 A/m

Probe Modulation Factor = 0.830

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.047 A/m; Power Drift = 0.030 dB

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

Peak H-field in A/m

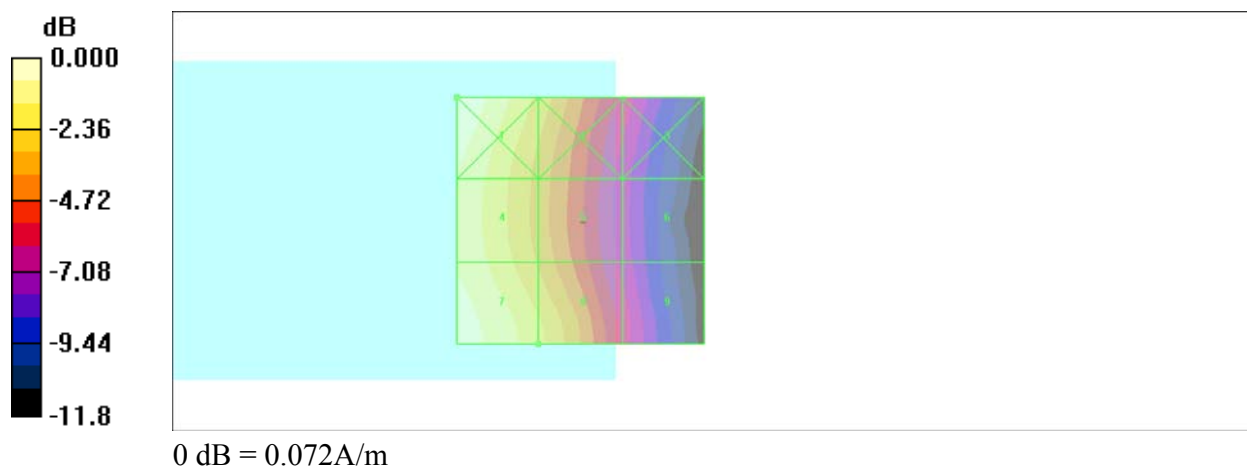
Grid 1 0.072 M4	Grid 2 0.053 M4	Grid 3 0.034 M4
Grid 4 0.065 M4	Grid 5 0.050 M4	Grid 6 0.031 M4
Grid 7 0.069 M4	Grid 8 0.056 M4	Grid 9 0.034 M4

Cursor:

Total = 0.072 A/m

H Category: M4

Location: 25, -25, 8.7 mm



#24 HAC_H_WCDMA V_RMC12.2k_CH4233

DUT: 112819-02

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH4233/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.071 A/m

Probe Modulation Factor = 0.830

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.049 A/m; Power Drift = -0.018 dB

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

Peak H-field in A/m

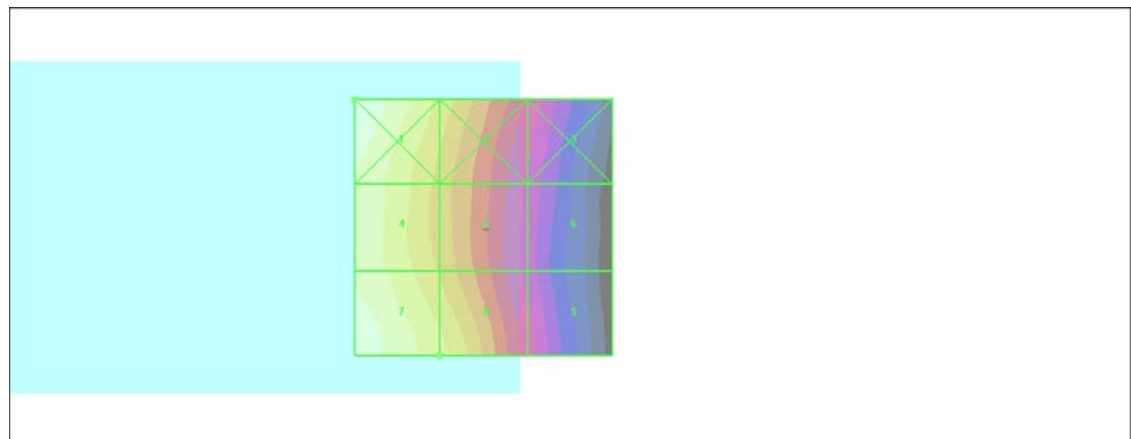
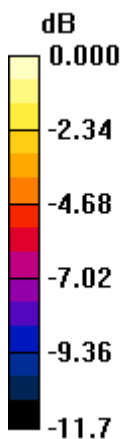
Grid 1 0.074 M4	Grid 2 0.055 M4	Grid 3 0.036 M4
Grid 4 0.067 M4	Grid 5 0.051 M4	Grid 6 0.032 M4
Grid 7 0.071 M4	Grid 8 0.058 M4	Grid 9 0.035 M4

Cursor:

Total = 0.074 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.074A/m

#20 HAC_H_WCDMA II_RMC12.2k_CH9262**DUT: 112819-02**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH9262/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.021 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.037 A/m; Power Drift = 0.038 dB

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

Peak H-field in A/m

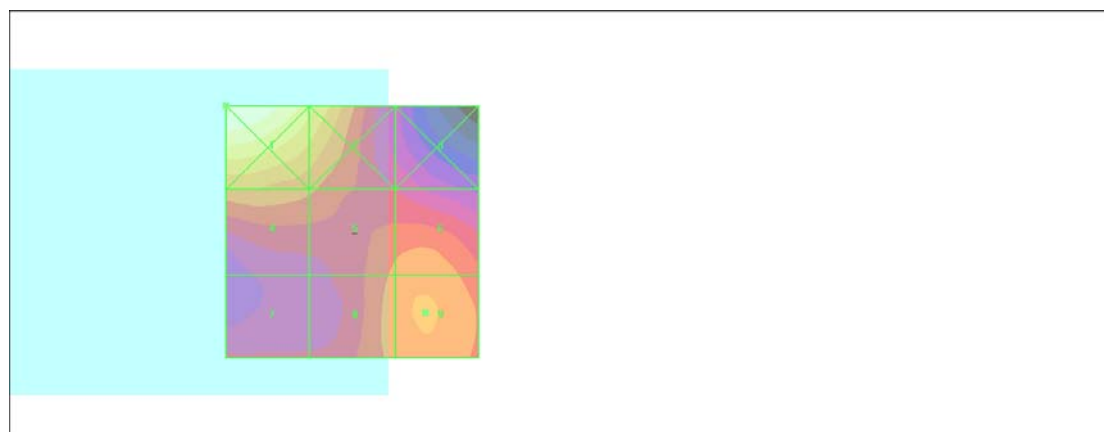
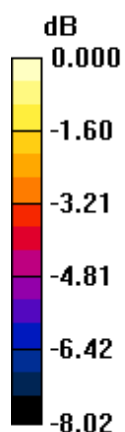
Grid 1 0.029 M4	Grid 2 0.025 M4	Grid 3 0.018 M4
Grid 4 0.021 M4	Grid 5 0.020 M4	Grid 6 0.021 M4
Grid 7 0.018 M4	Grid 8 0.021 M4	Grid 9 0.021 M4

Cursor:

Total = 0.029 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.029A/m

#19 HAC_H_WCDMA II_RMC12.2k_CH9400**DUT: 112819-02**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH9400/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.019 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.032 A/m; Power Drift = 0.181 dB

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

Peak H-field in A/m

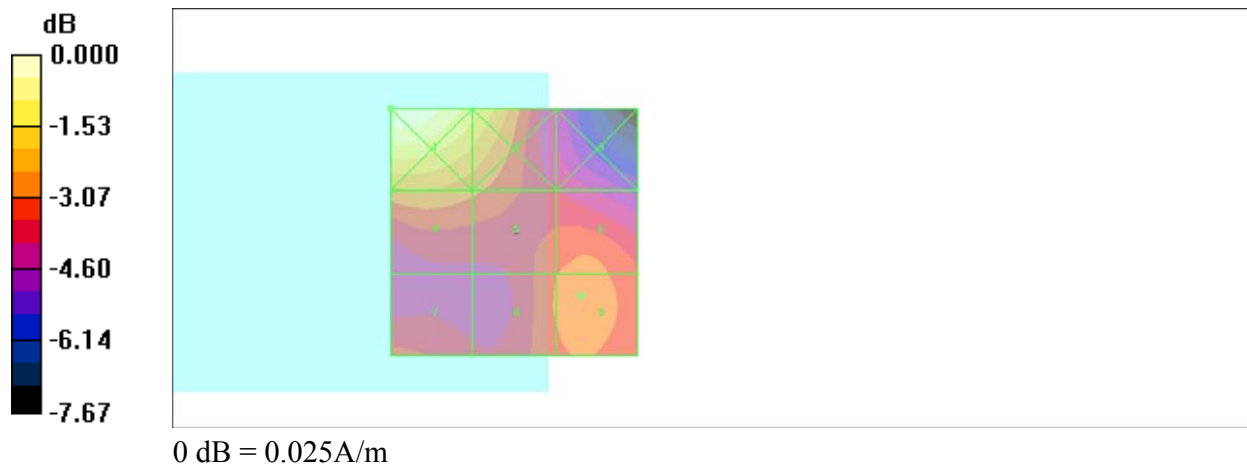
Grid 1 0.025 M4	Grid 2 0.022 M4	Grid 3 0.016 M4
Grid 4 0.019 M4	Grid 5 0.018 M4	Grid 6 0.018 M4
Grid 7 0.017 M4	Grid 8 0.018 M4	Grid 9 0.018 M4

Cursor:

Total = 0.025 A/m

H Category: M4

Location: 25, -25, 8.7 mm



#21 HAC_H_WCDMA II_RMC12.2k_CH9538

DUT: 112819-02

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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

CH9538/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.016 A/m

Probe Modulation Factor = 0.510

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.023 A/m; Power Drift = 0.073 dB

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

Peak H-field in A/m

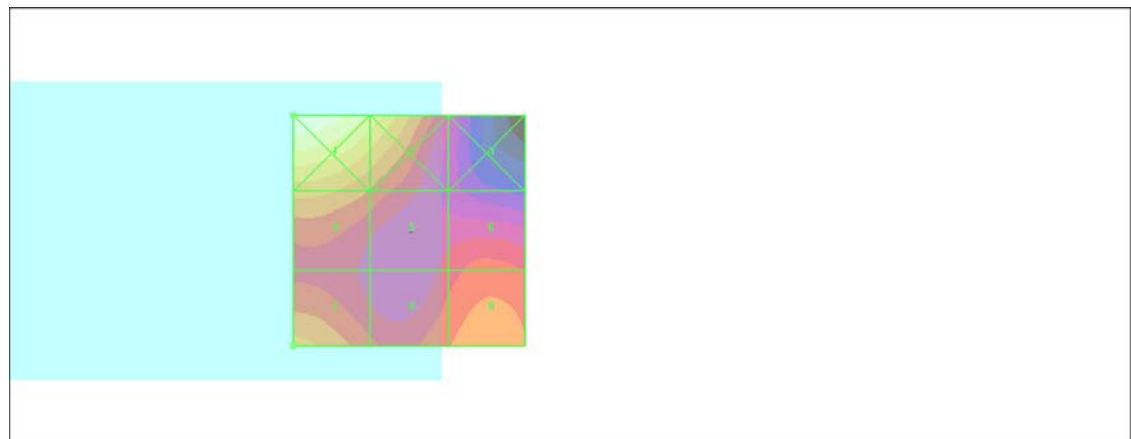
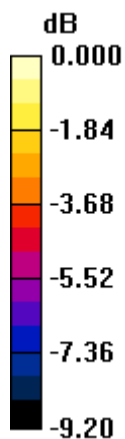
Grid 1 0.022 M4	Grid 2 0.019 M4	Grid 3 0.012 M4
Grid 4 0.016 M4	Grid 5 0.014 M4	Grid 6 0.014 M4
Grid 7 0.016 M4	Grid 8 0.014 M4	Grid 9 0.015 M4

Cursor:

Total = 0.022 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.022A/m