

#01 HAC_E_GSM850 Ch128

DUT: 971509-03

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 148.3 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 71.9 V/m; Power Drift = 0.002 dB

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

Peak E-field in V/m

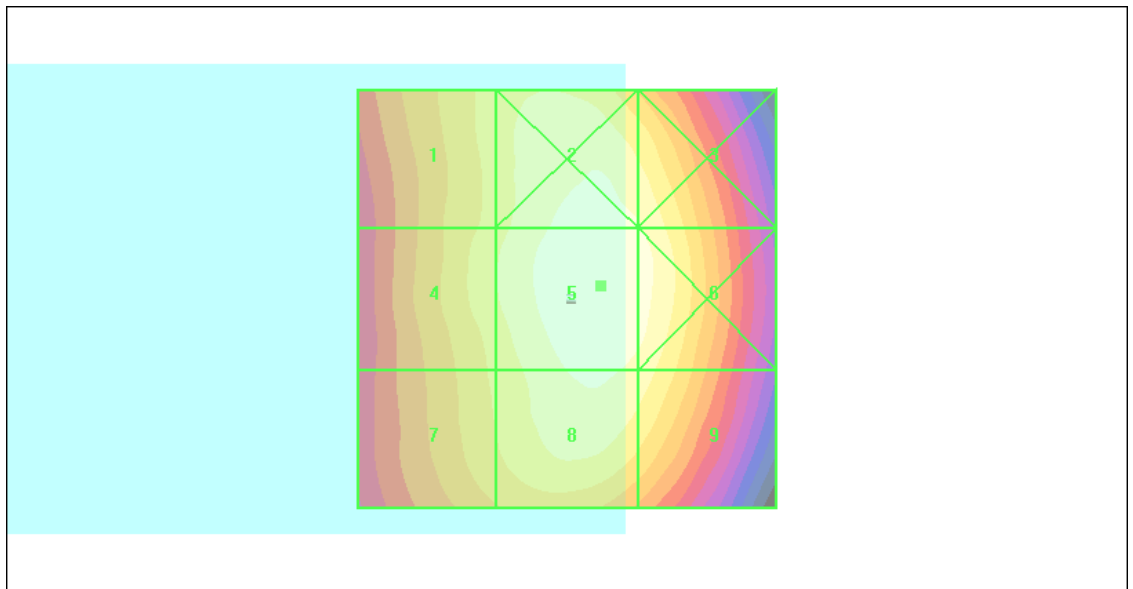
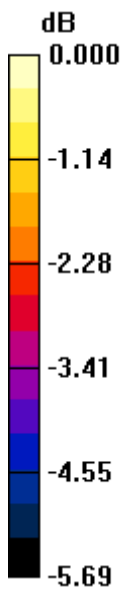
Grid 1 133.4 M4	Grid 2 145.2 M4	Grid 3 142.5 M4
Grid 4 135.7 M4	Grid 5 148.3 M4	Grid 6 145.3 M4
Grid 7 131.5 M4	Grid 8 143.3 M4	Grid 9 139.8 M4

Cursor:

Total = 148.3 V/m

E Category: M4

Location: -4, -1.5, 8.7 mm



0 dB = 148.3V/m

#02 HAC_E_GSM850 Ch189

DUT: 971509-03

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 : 22.5

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

- 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 = 190.8 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 92.7 V/m; Power Drift = 0.028 dB

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

Peak E-field in V/m

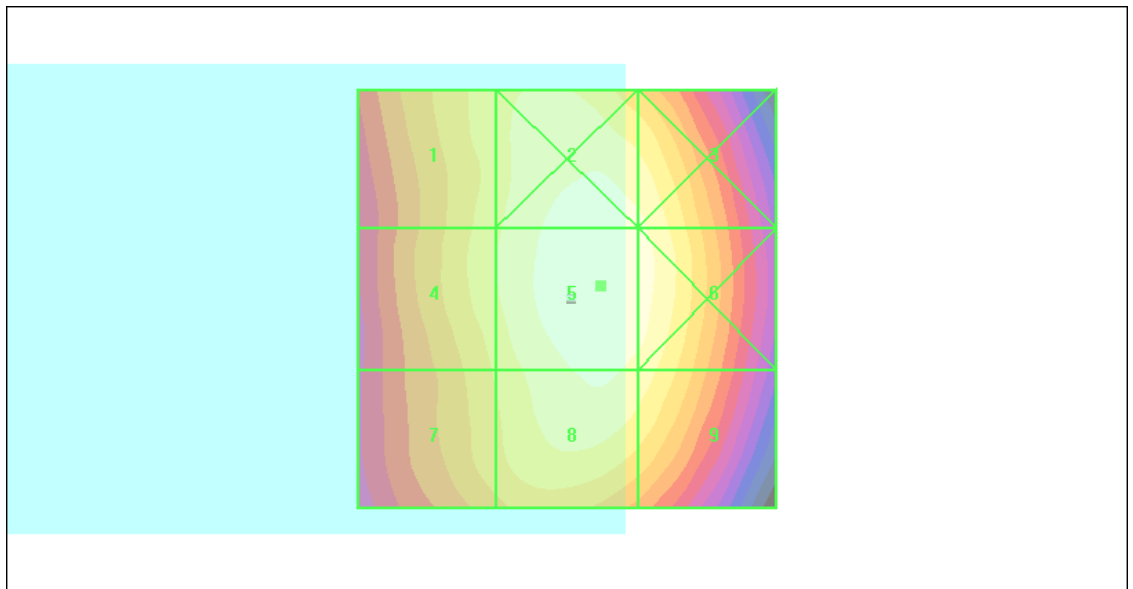
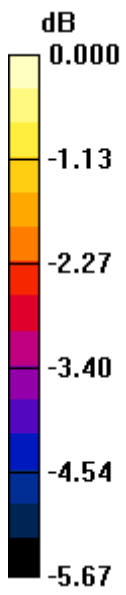
Grid 1 173.4 M3	Grid 2 187.5 M3	Grid 3 184.6 M3
Grid 4 174.8 M3	Grid 5 190.8 M3	Grid 6 187.2 M3
Grid 7 168.5 M3	Grid 8 184.3 M3	Grid 9 180.1 M3

Cursor:

Total = 190.8 V/m

E Category: M3

Location: -4, -1.5, 8.7 mm



0 dB = 190.8V/m

#03 HAC_E_GSM850 Ch251

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 210.7 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 102.3 V/m; Power Drift = -0.028 dB

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

Peak E-field in V/m

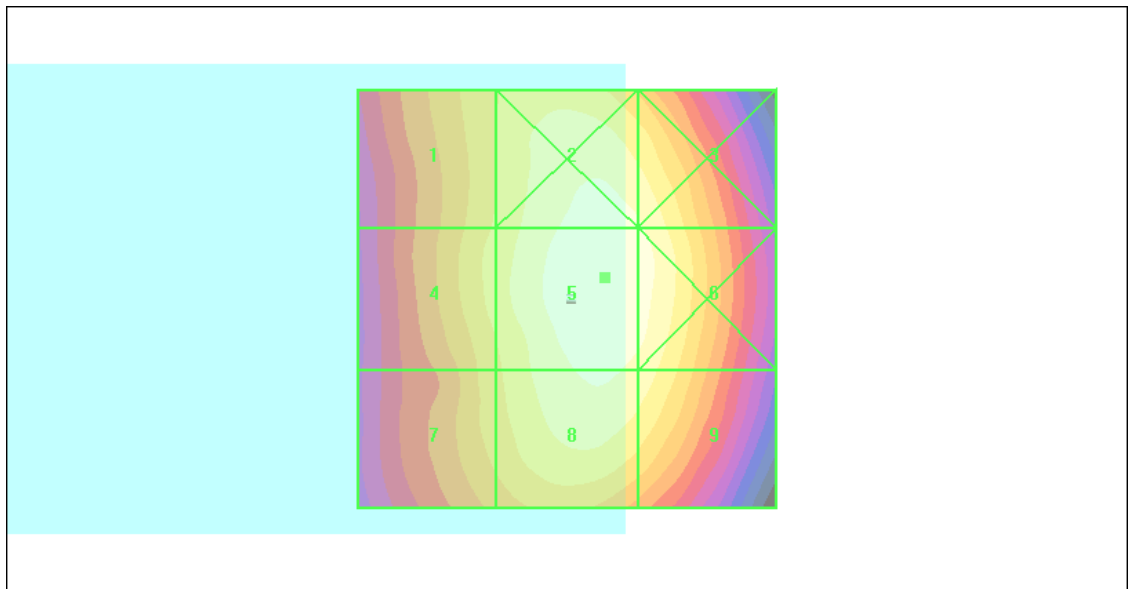
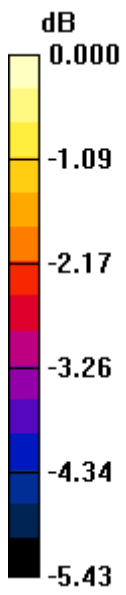
Grid 1 187.4 M3	Grid 2 207.2 M3	Grid 3 203.5 M3
Grid 4 189.9 M3	Grid 5 210.7 M3	Grid 6 206.9 M3
Grid 7 184.2 M3	Grid 8 203.7 M3	Grid 9 199.6 M3

Cursor:

Total = 210.7 V/m

E Category: M3

Location: -4.5, -2.5, 8.7 mm



0 dB = 210.7V/m

#04 HAC_E_GSM1900 Ch512

DUT: 971509-03

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 : 22.5

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 71.4 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 14.8 V/m; Power Drift = -0.041 dB

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

Peak E-field in V/m

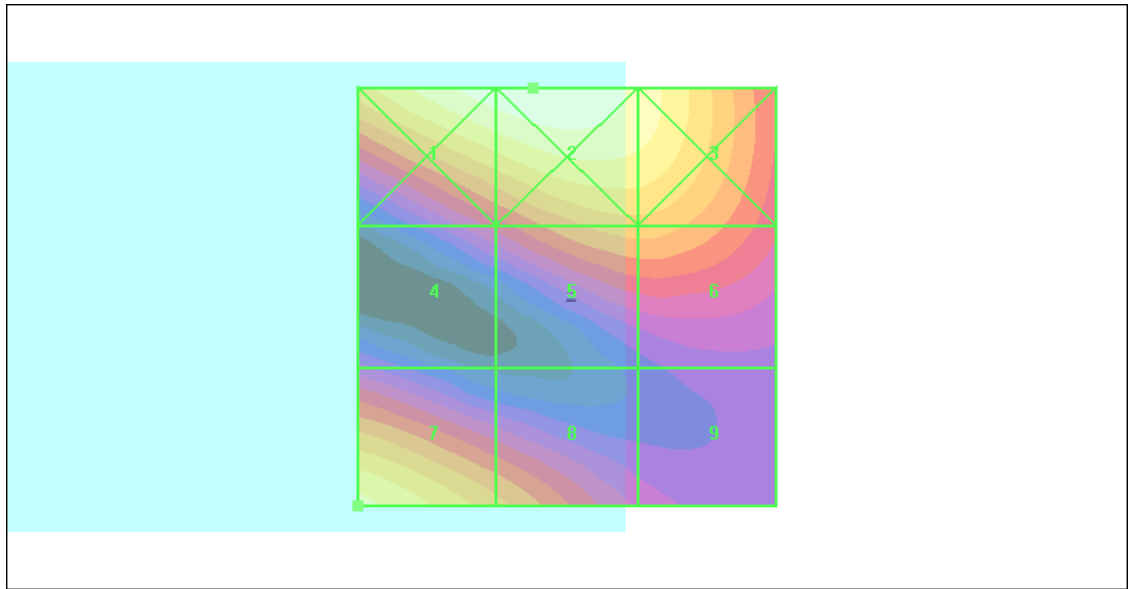
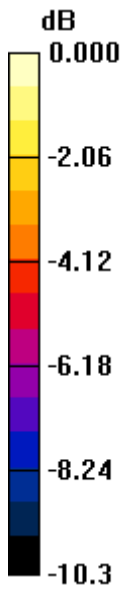
Grid 1 78.7 M3	Grid 2 80.6 M3	Grid 3 72.8 M3
Grid 4 44.4 M4	Grid 5 56.8 M3	Grid 6 56.8 M3
Grid 7 71.4 M3	Grid 8 56.1 M3	Grid 9 39.2 M4

Cursor:

Total = 80.6 V/m

E Category: M3

Location: 4, -25, 8.7 mm



0 dB = 80.6V/m

#05 HAC_E_GSM1900 Ch661

DUT: 971509-03

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

- 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 = 67.4 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 11.8 V/m; Power Drift = -0.025 dB

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

Peak E-field in V/m

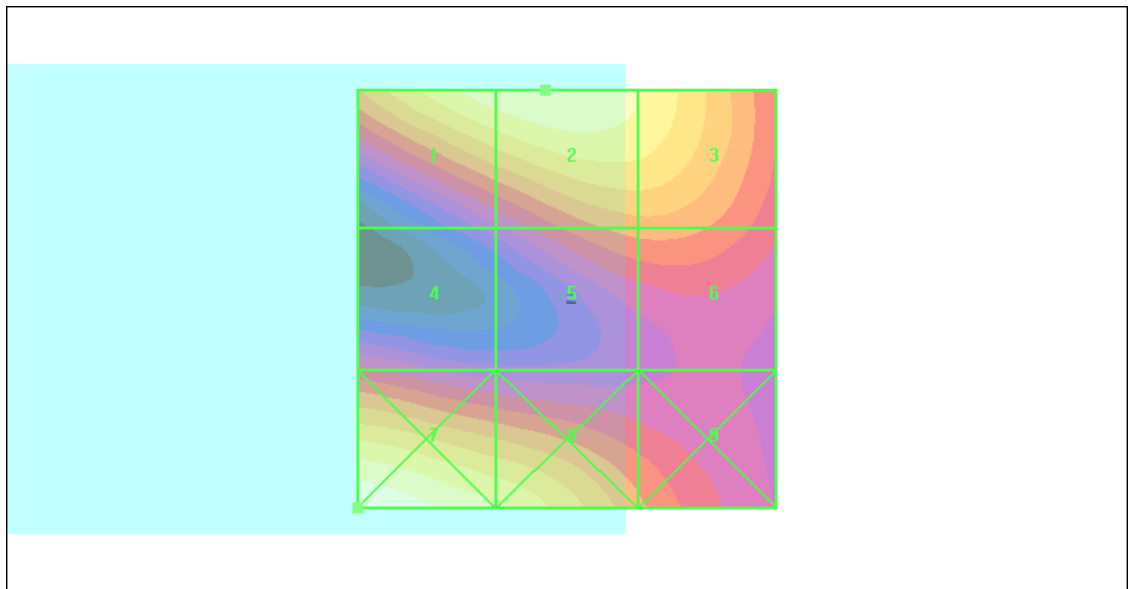
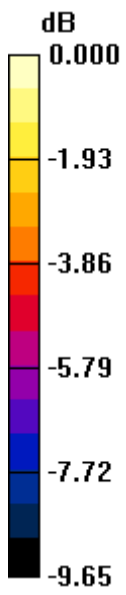
Grid 1 65.5 M3	Grid 2 67.4 M3	Grid 3 62.7 M3
Grid 4 41.0 M4	Grid 5 48.0 M3	Grid 6 48.2 M3
Grid 7 72.1 M3	Grid 8 63.1 M3	Grid 9 47.3 M4

Cursor:

Total = 72.1 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 72.1V/m

#06 HAC_E_GSM1900 Ch810

DUT: 971509-03

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 : 22.5

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 51.0 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 10.2 V/m; Power Drift = -0.110 dB

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

Peak E-field in V/m

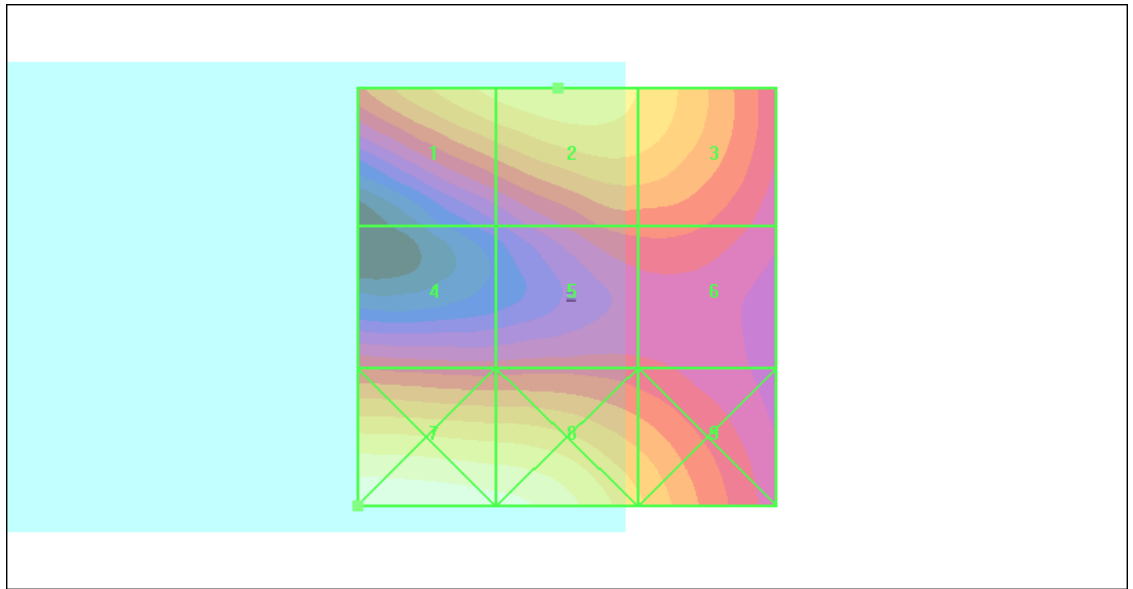
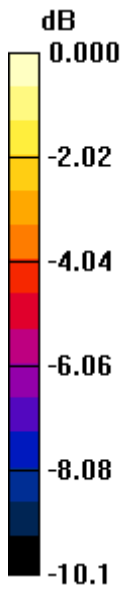
Grid 1 48.7 M3	Grid 2 51.0 M3	Grid 3 47.1 M4
Grid 4 34.6 M4	Grid 5 35.8 M4	Grid 6 35.8 M4
Grid 7 59.6 M3	Grid 8 56.9 M3	Grid 9 44.6 M4

Cursor:

Total = 59.6 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 59.6V/m

#07 HAC_H_GSM850 Ch128

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.144 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.049 A/m; Power Drift = 0.052 dB

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

Peak H-field in A/m

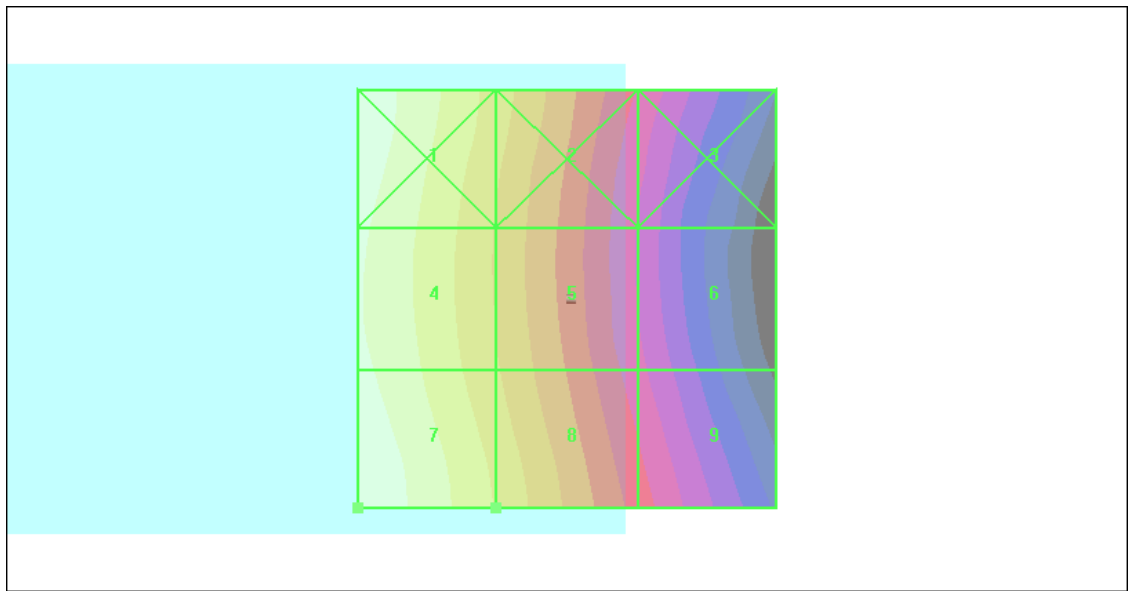
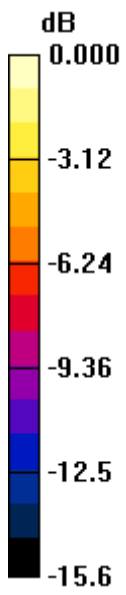
Grid 1 0.140 M4	Grid 2 0.095 M4	Grid 3 0.055 M4
Grid 4 0.132 M4	Grid 5 0.091 M4	Grid 6 0.051 M4
Grid 7 0.144 M4	Grid 8 0.100 M4	Grid 9 0.059 M4

Cursor:

Total = 0.144 A/m

H Category: M4

Location: 25, 25, 9.2 mm



0 dB = 0.144A/m

#08 HAC_H_GSM850 Ch189

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.188 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.064 A/m; Power Drift = 0.036 dB

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

Peak H-field in A/m

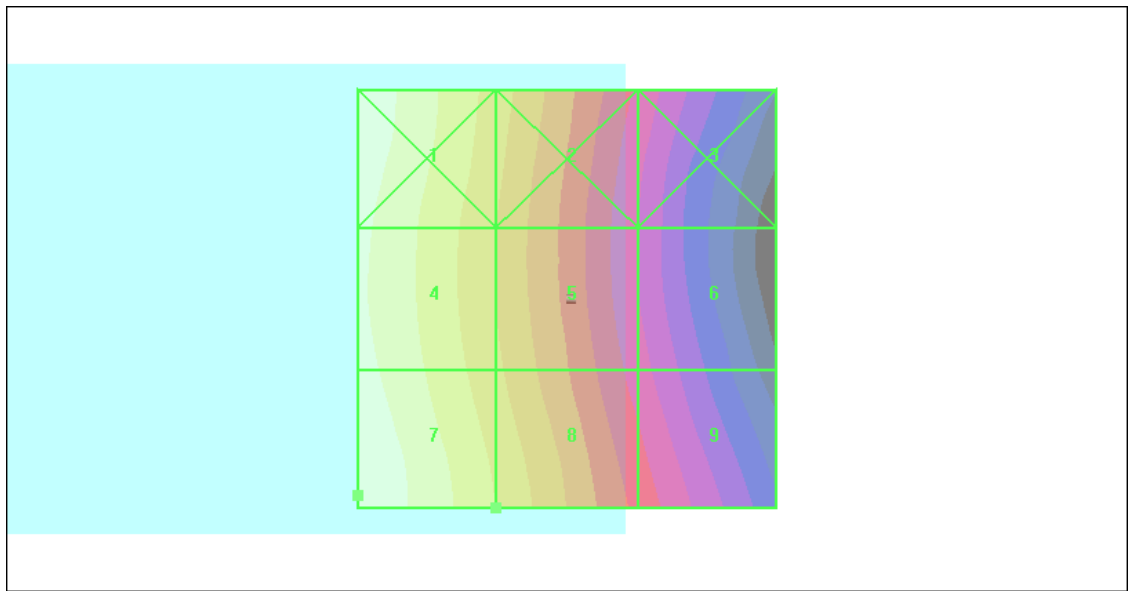
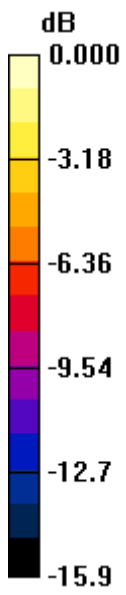
Grid 1 0.183 M4	Grid 2 0.123 M4	Grid 3 0.069 M4
Grid 4 0.175 M4	Grid 5 0.119 M4	Grid 6 0.067 M4
Grid 7 0.188 M4	Grid 8 0.130 M4	Grid 9 0.078 M4

Cursor:

Total = 0.188 A/m

H Category: M4

Location: 25, 23.5, 9.2 mm



0 dB = 0.188A/m

#09 HAC_H_GSM850 Ch251

DUT: 971509-03

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 : 22.7

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.211 A/m

Probe Modulation Factor = 1.42

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.073 A/m; Power Drift = 0.034 dB

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

Peak H-field in A/m

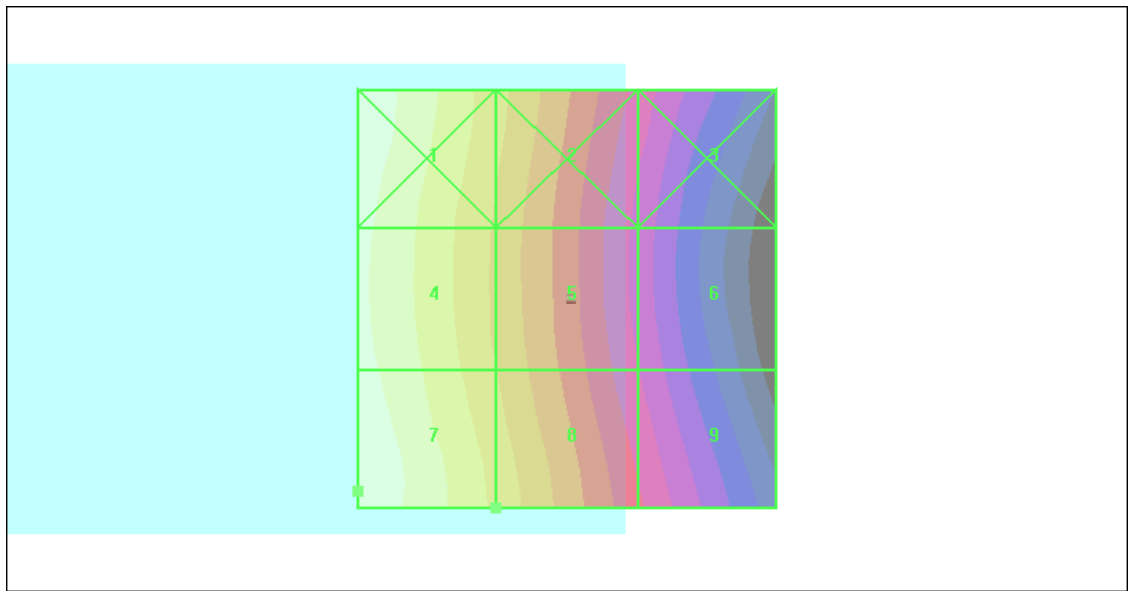
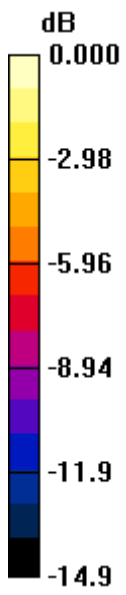
Grid 1 0.206 M4	Grid 2 0.140 M4	Grid 3 0.081 M4
Grid 4 0.197 M4	Grid 5 0.134 M4	Grid 6 0.076 M4
Grid 7 0.211 M4	Grid 8 0.146 M4	Grid 9 0.087 M4

Cursor:

Total = 0.211 A/m

H Category: M4

Location: 25, 23, 9.2 mm



0 dB = 0.211A/m

#10 HAC_H_GSM1900 Ch512

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.086 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.077 A/m; Power Drift = 0.002 dB

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

Peak H-field in A/m

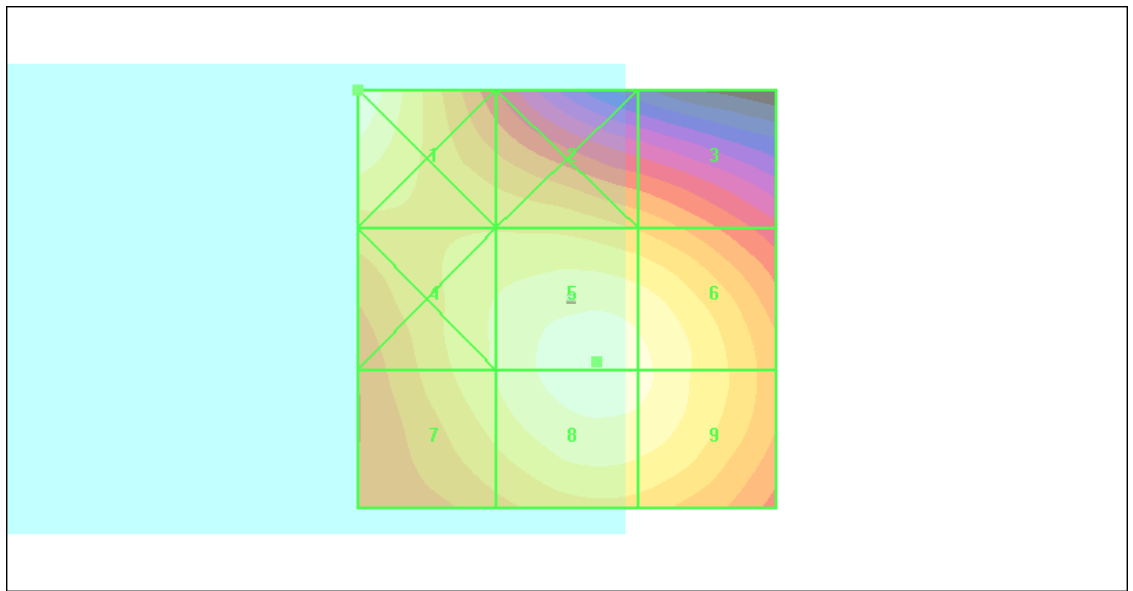
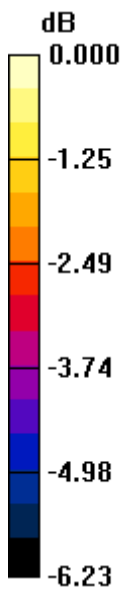
Grid 1 0.088 M4	Grid 2 0.076 M4	Grid 3 0.072 M4
Grid 4 0.081 M4	Grid 5 0.086 M4	Grid 6 0.085 M4
Grid 7 0.080 M4	Grid 8 0.086 M4	Grid 9 0.085 M4

Cursor:

Total = 0.088 A/m

H Category: M4

Location: 25, -25, 9.2 mm



0 dB = 0.088A/m

#11 HAC_H_GSM1900 Ch661

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.077 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.068 A/m; Power Drift = 0.061 dB

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

Peak H-field in A/m

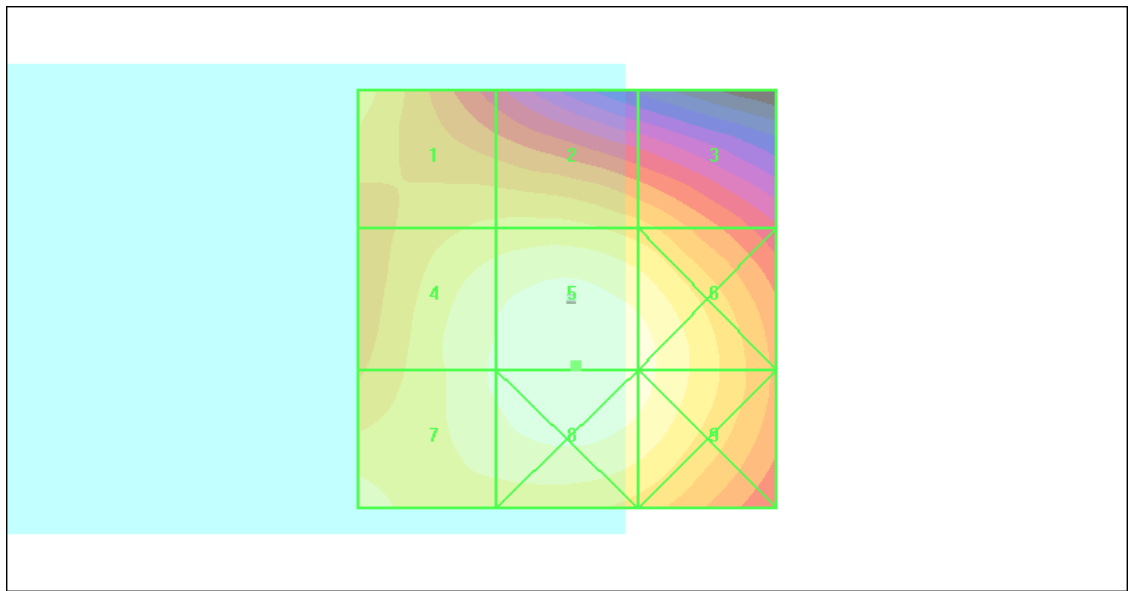
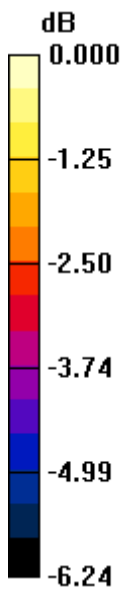
Grid 1 0.069 M4	Grid 2 0.068 M4	Grid 3 0.065 M4
Grid 4 0.074 M4	Grid 5 0.077 M4	Grid 6 0.075 M4
Grid 7 0.074 M4	Grid 8 0.077 M4	Grid 9 0.075 M4

Cursor:

Total = 0.077 A/m

H Category: M4

Location: -1, 8, 9.2 mm



0 dB = 0.077A/m

#12 HAC_H_GSM1900 Ch810

DUT: 971509-03

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 : 22.6

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.065 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 = 0.018 dB

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

Peak H-field in A/m

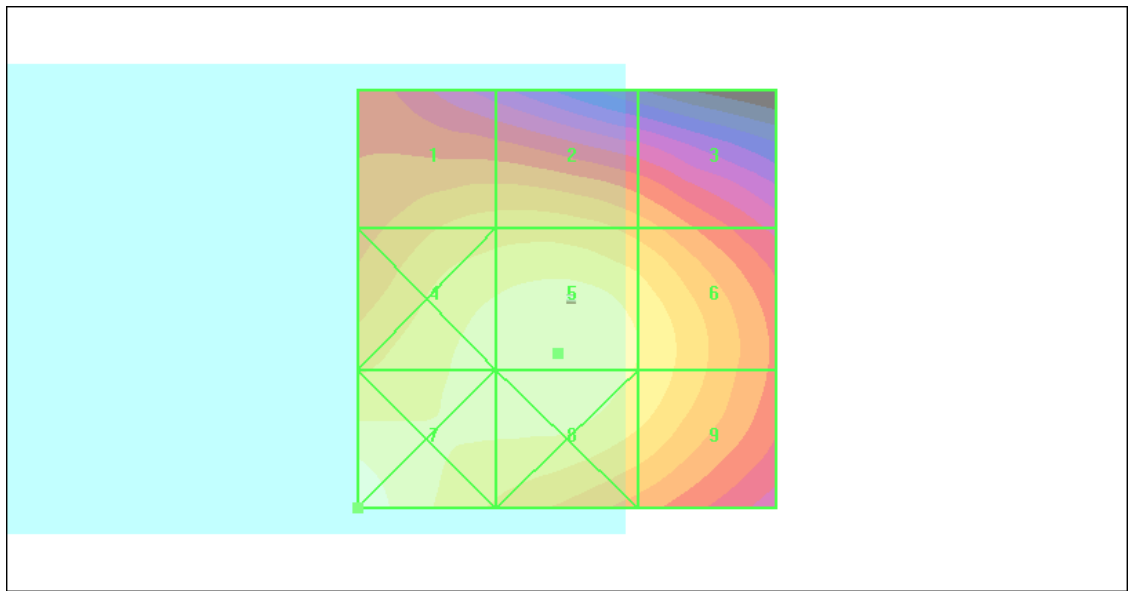
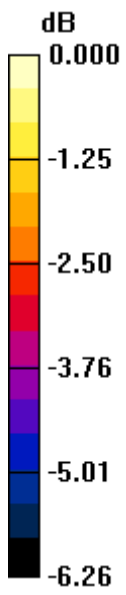
Grid 1 0.058 M4	Grid 2 0.058 M4	Grid 3 0.055 M4
Grid 4 0.063 M4	Grid 5 0.065 M4	Grid 6 0.062 M4
Grid 7 0.068 M4	Grid 8 0.065 M4	Grid 9 0.062 M4

Cursor:

Total = 0.068 A/m

H Category: M4

Location: 25, 25, 9.2 mm



0 dB = 0.068A/m