#04 HAC_E_GSM850_Ch128_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

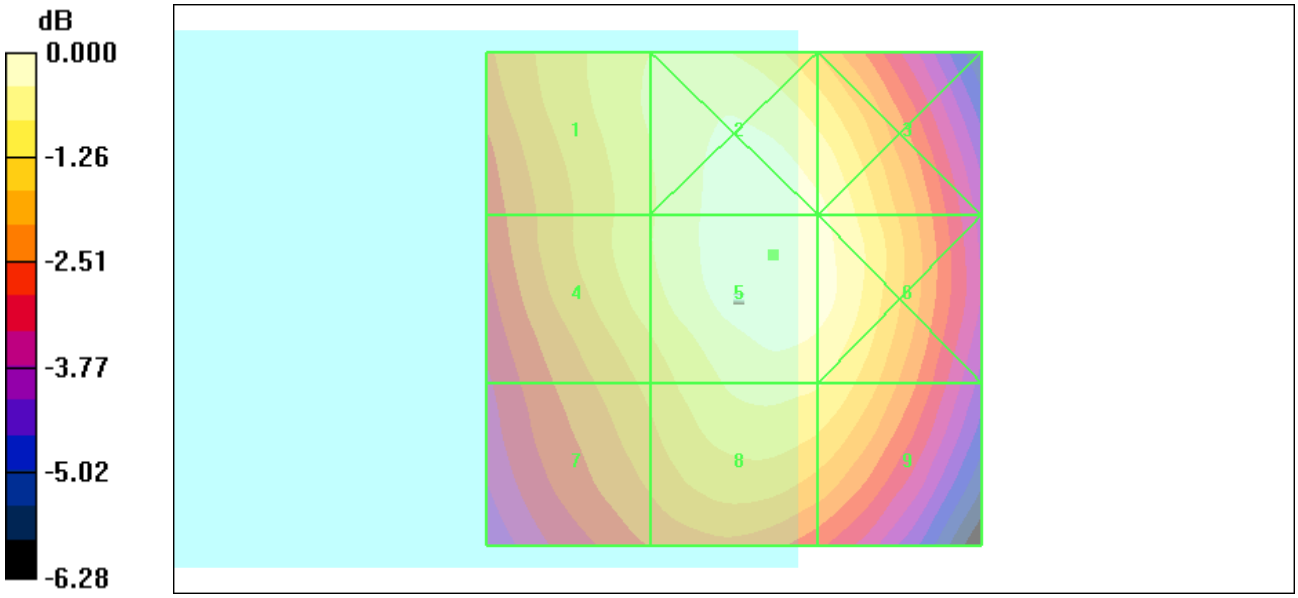
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 204.8 V/m
Probe Modulation Factor = 2.65
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 99.5 V/m; Power Drift = -0.029 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **187.3 M3**	Grid 2 **201.8 M3**	Grid 3 **197.5 M3**
Grid 4 **185.5 M3**	Grid 5 **204.8 M3**	Grid 6 **200.0 M3**
Grid 7 **171.6 M3**	Grid 8 **189.7 M3**	Grid 9 **186.9 M3**

Cursor:
Total = 204.8 V/m
E Category: M3
Location: -4, -4.5, 8.7 mm



0 dB = 204.8V/m

#05 HAC_E_GSM850_Ch189_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

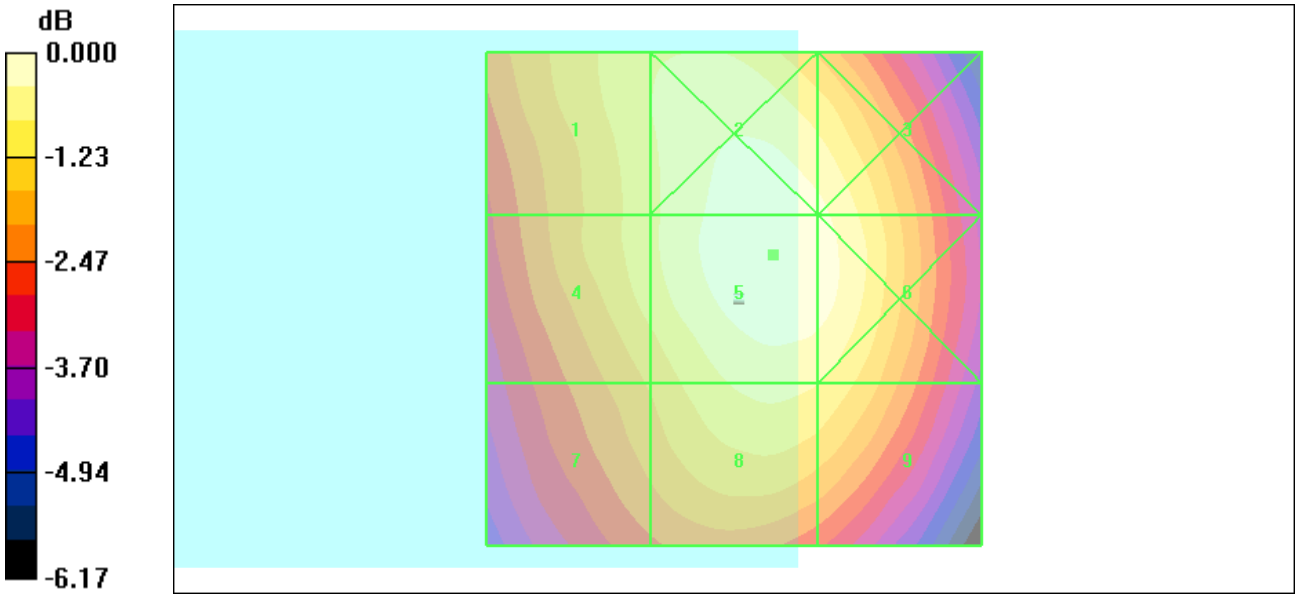
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 242.7 V/m
Probe Modulation Factor = 2.65
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 117.9 V/m; Power Drift = -0.017 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **220.4 M3**	Grid 2 **239.7 M3**	Grid 3 **234.6 M3**
Grid 4 **218.2 M3**	Grid 5 **242.7 M3**	Grid 6 **237.8 M3**
Grid 7 **202.2 M3**	Grid 8 **224.7 M3**	Grid 9 **221.0 M3**

Cursor:
Total = 242.7 V/m
E Category: M3
Location: -4, -4.5, 8.7 mm



0 dB = 242.7V/m

#06 HAC_E_GSM850_Ch251_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

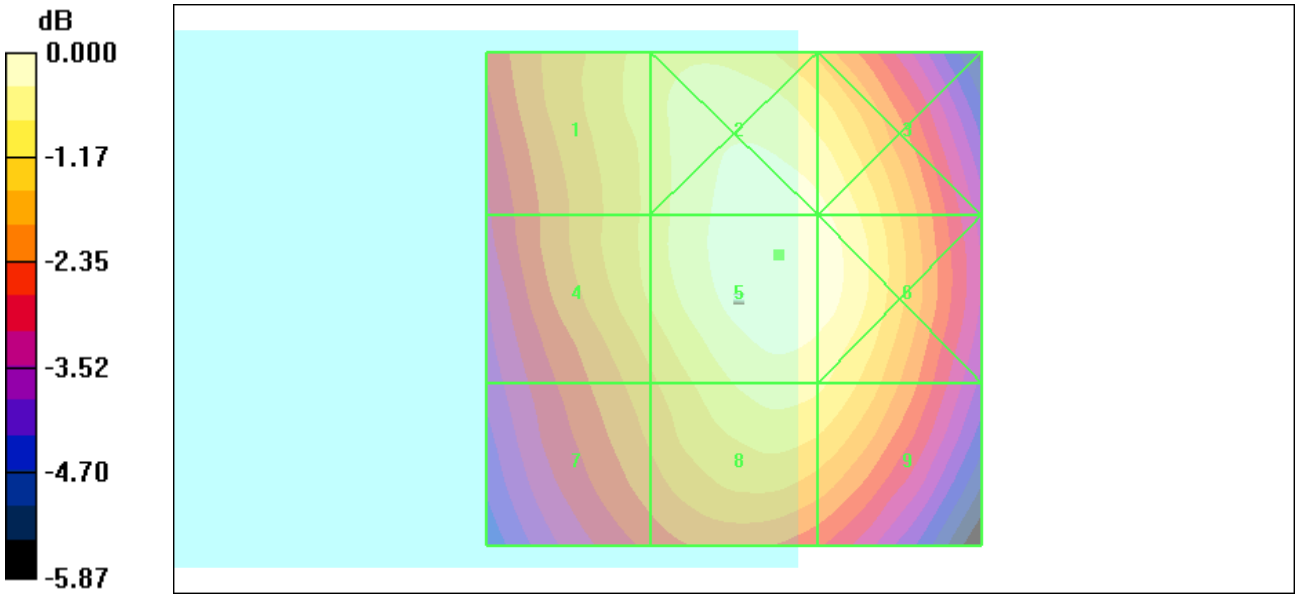
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 238.2 V/m
Probe Modulation Factor = 2.65
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 113.8 V/m; Power Drift = 0.088 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **213.9 M3**	Grid 2 **235.4 M3**	Grid 3 **231.1 M3**
Grid 4 **211.7 M3**	Grid 5 **238.2 M3**	Grid 6 **234.9 M3**
Grid 7 **197.0 M3**	Grid 8 **222.9 M3**	Grid 9 **219.7 M3**

Cursor:
Total = 238.2 V/m
E Category: M3
Location: -4.5, -4.5, 8.7 mm



0 dB = 238.2V/m

#01 HAC_E_GSM1900_Ch512_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

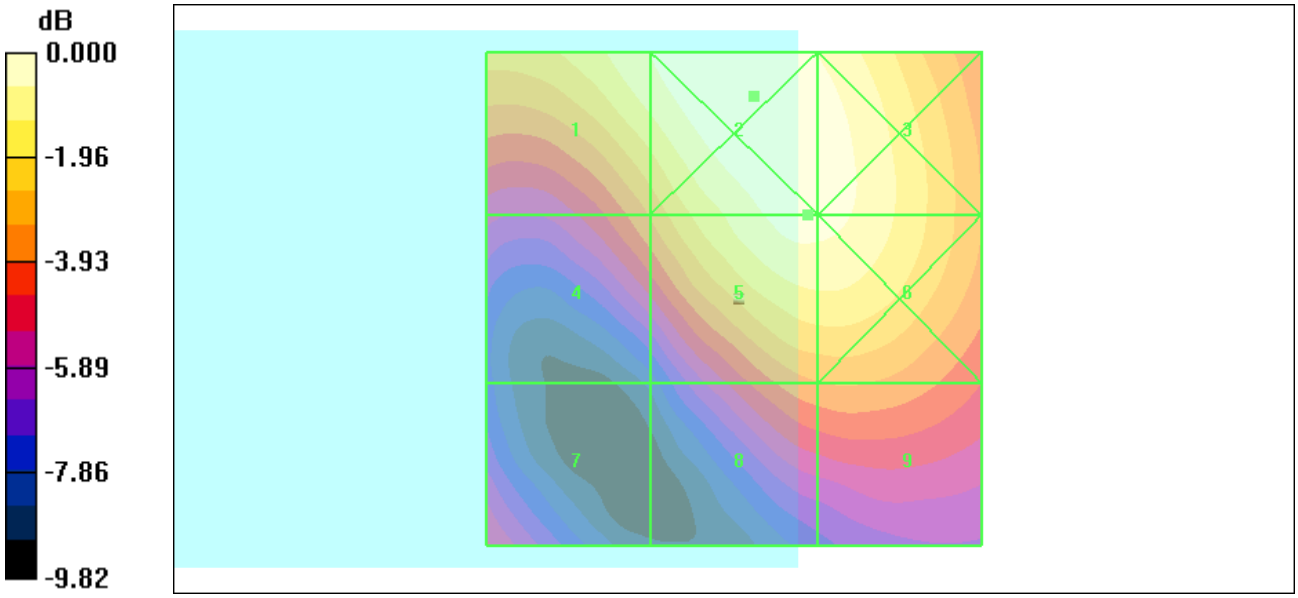
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch512/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 60.8 V/m
Probe Modulation Factor = 2.70
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 22.4 V/m; Power Drift = -0.077 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **59.1 M3**	Grid 2 **63.6 M3**	Grid 3 **61.7 M3**
Grid 4 **44.0 M4**	Grid 5 **60.8 M3**	Grid 6 **60.6 M3**
Grid 7 **35.4 M4**	Grid 8 **43.5 M4**	Grid 9 **44.1 M4**

Cursor:
Total = 63.6 V/m
E Category: M3
Location: -2, -20.5, 8.7 mm



0 dB = 63.6V/m

#02 HAC_E_GSM1900_Ch661_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

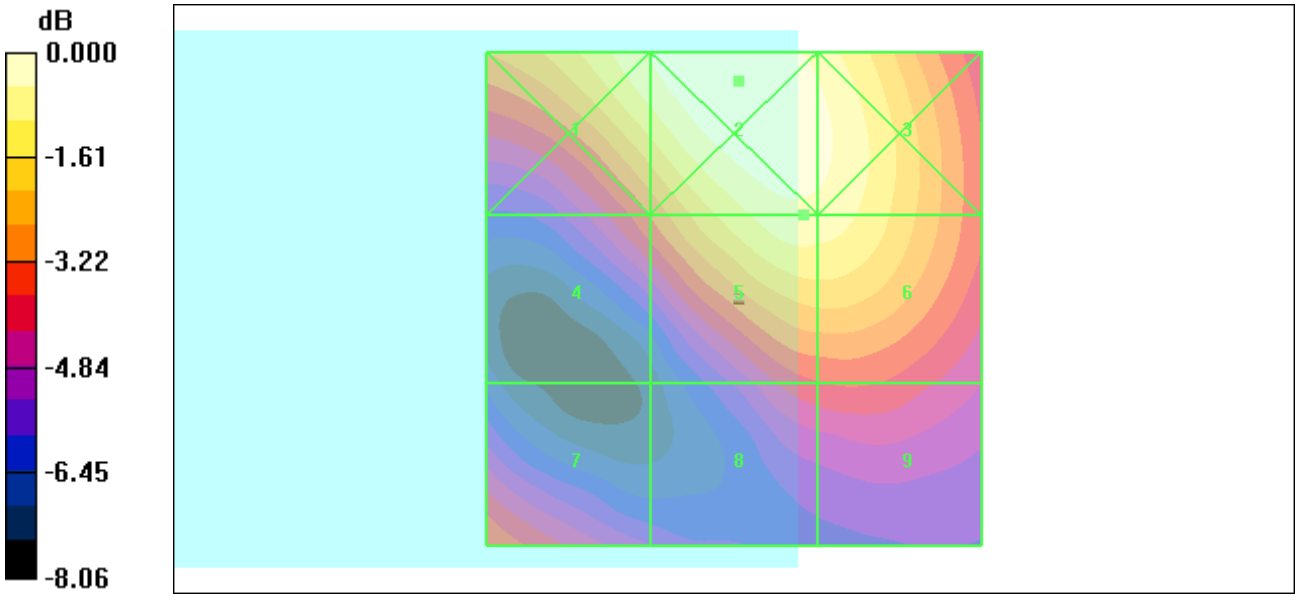
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 68.4 V/m
Probe Modulation Factor = 2.70
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 24.3 V/m; Power Drift = -0.089 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **69.9 M3**	Grid 2 **74.1 M3**	Grid 3 **71.0 M3**
Grid 4 **51.3 M3**	Grid 5 **68.4 M3**	Grid 6 **68.1 M3**
Grid 7 **51.4 M3**	Grid 8 **47.9 M3**	Grid 9 **48.5 M3**

Cursor:
Total = 74.1 V/m
E Category: M3
Location: -0.5, -22, 8.7 mm



0 dB = 74.1V/m

#03 HAC_E_GSM1900_Ch810_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

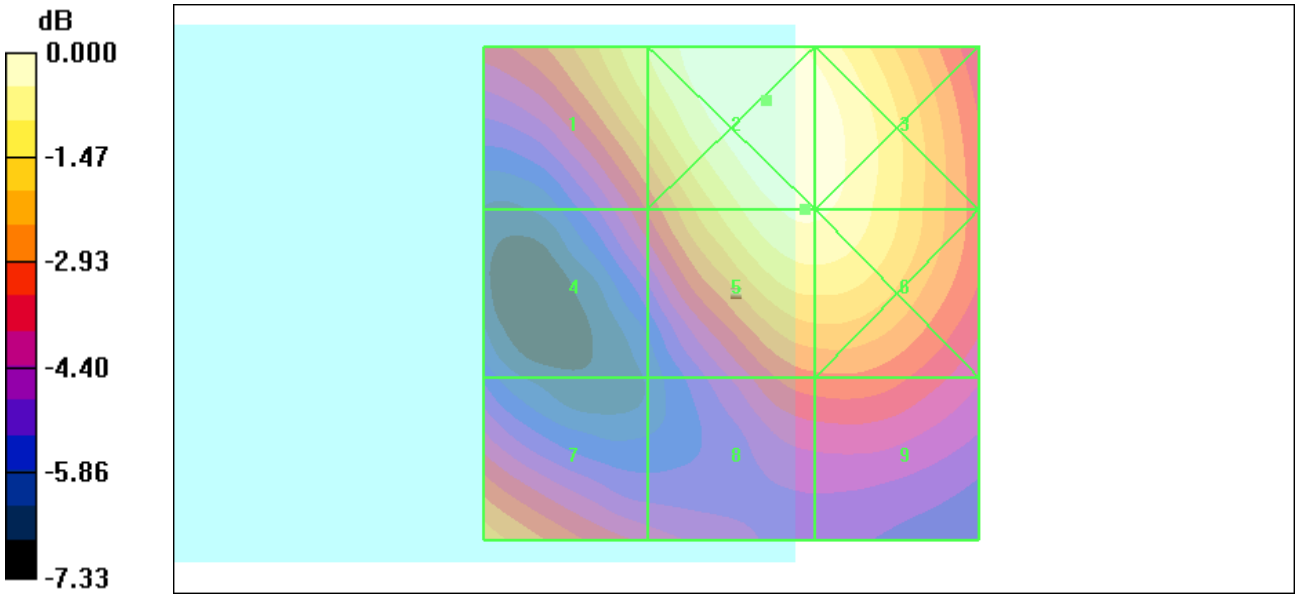
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 78.1 V/m
Probe Modulation Factor = 2.70
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 28.3 V/m; Power Drift = -0.119 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1 **73.1 M3**	Grid 2 **81.6 M3**	Grid 3 **79.8 M3**
Grid 4 **55.5 M3**	Grid 5 **78.1 M3**	Grid 6 **77.9 M3**
Grid 7 **63.9 M3**	Grid 8 **57.5 M3**	Grid 9 **57.8 M3**

Cursor:
Total = 81.6 V/m
E Category: M3
Location: -3.5, -19.5, 8.7 mm



0 dB = 81.6V/m

#16 HAC_E_WCDMA V_Ch4132_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.4 ℃

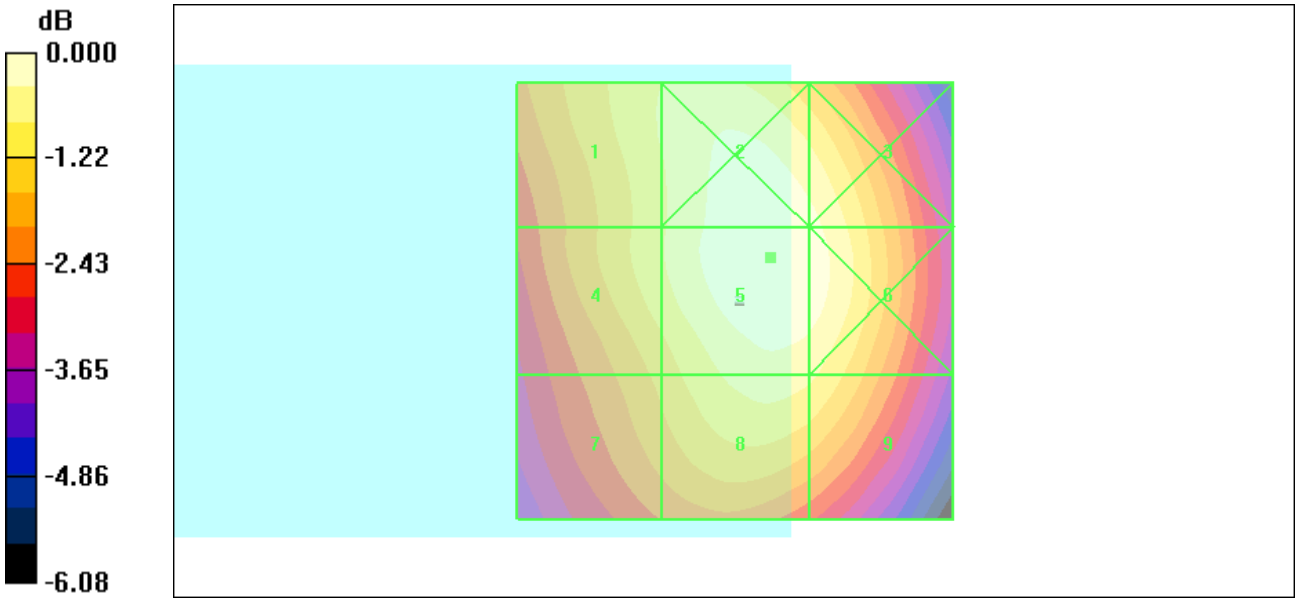
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 78.0 V/m
Probe Modulation Factor = 0.960
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 104.4 V/m; Power Drift = -0.181 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **71.4 M4**	Grid 2 **77.3 M4**	Grid 3 **75.7 M4**
Grid 4 **70.8 M4**	Grid 5 **78.0 M4**	Grid 6 **76.7 M4**
Grid 7 **65.8 M4**	Grid 8 **73.0 M4**	Grid 9 **71.7 M4**

Cursor:
Total = 78.0 V/m
E Category: M4
Location: -4, -5, 8.7 mm



0 dB = 78.0V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#17 HAC_E_WCDMA V_Ch4182_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

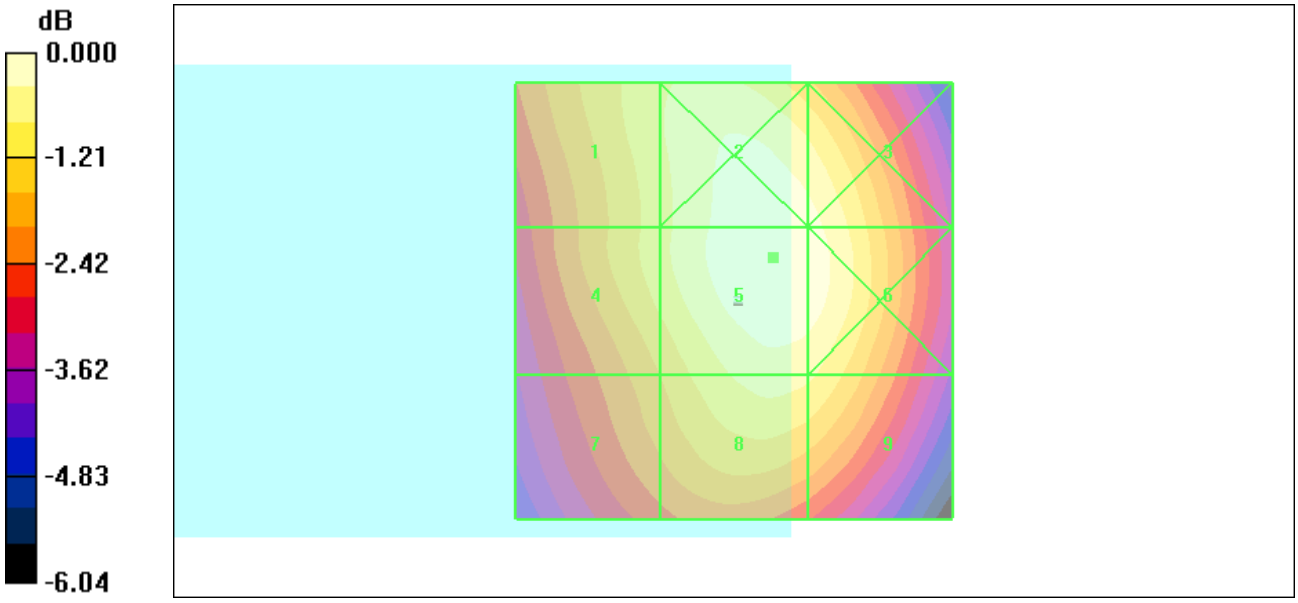
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 69.9 V/m
Probe Modulation Factor = 0.960
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 90.6 V/m; Power Drift = 0.126 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **63.5 M4**	Grid 2 **69.3 M4**	Grid 3 **68.0 M4**
Grid 4 **62.8 M4**	Grid 5 **69.9 M4**	Grid 6 **68.9 M4**
Grid 7 **58.1 M4**	Grid 8 **65.2 M4**	Grid 9 **64.2 M4**

Cursor:
Total = 69.9 V/m
E Category: M4
Location: -4.5, -5, 8.7 mm



0 dB = 69.9V/m

#18 HAC_E_WCDMA V_Ch4233_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.3 ℃

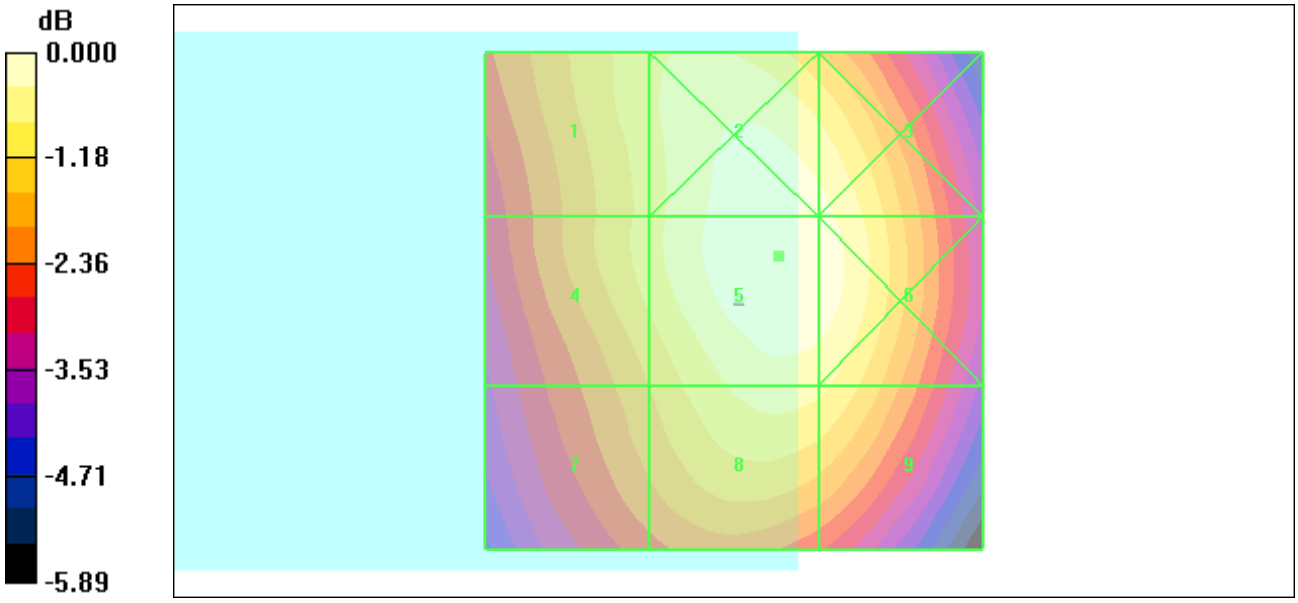
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

E Scan - EF3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 63.3 V/m
Probe Modulation Factor = 0.960
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 84.9 V/m; Power Drift = -0.247 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **57.3 M4**	Grid 2 **62.7 M4**	Grid 3 **61.6 M4**
Grid 4 **56.8 M4**	Grid 5 **63.3 M4**	Grid 6 **62.5 M4**
Grid 7 **52.9 M4**	Grid 8 **59.3 M4**	Grid 9 **58.5 M4**

Cursor:
Total = 63.3 V/m
E Category: M4
Location: -4.5, -4.5, 8.7 mm



0 dB = 63.3V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#13 HAC_E_WCDMA II_Ch9262_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.4 ℃

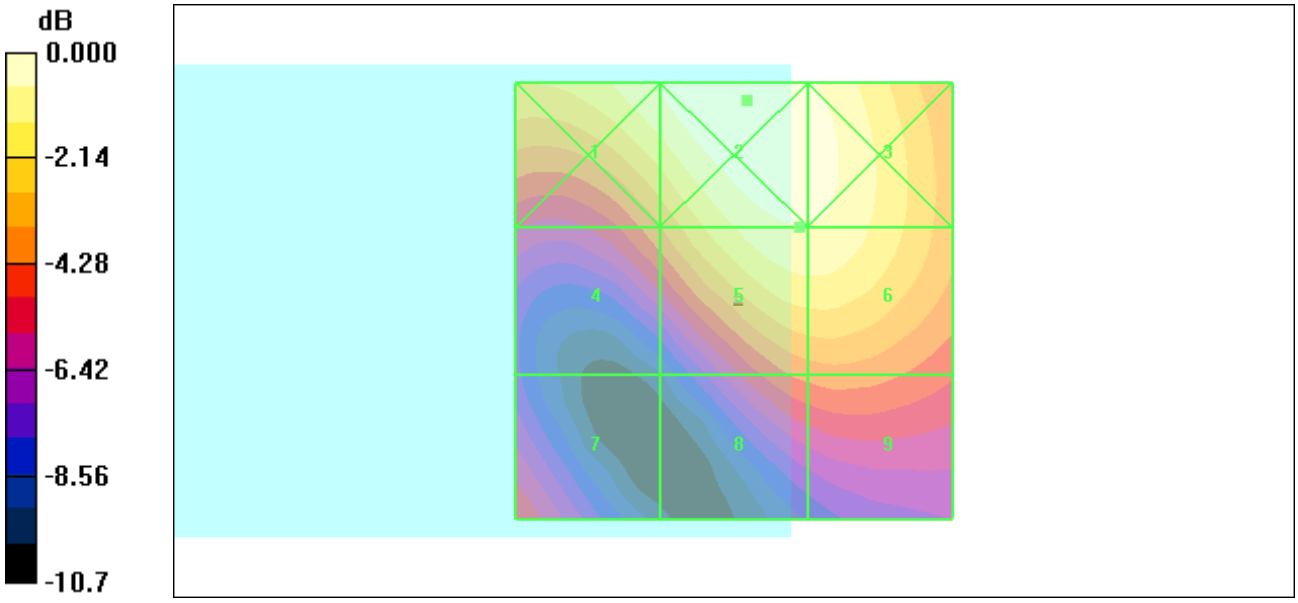
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 28.9 V/m
Probe Modulation Factor = 1.06
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 26.1 V/m; Power Drift = -0.199 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **29.3 M4**	Grid 2 **31.4 M4**	Grid 3 **30.3 M4**
Grid 4 **20.8 M4**	Grid 5 **28.9 M4**	Grid 6 **28.9 M4**
Grid 7 **17.7 M4**	Grid 8 **19.8 M4**	Grid 9 **20.2 M4**

Cursor:
Total = 31.4 V/m
E Category: M4
Location: -1.5, -23, 8.7 mm



0 dB = 31.4V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#14 HAC_E_WCDMA II_Ch9400_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.4 ℃

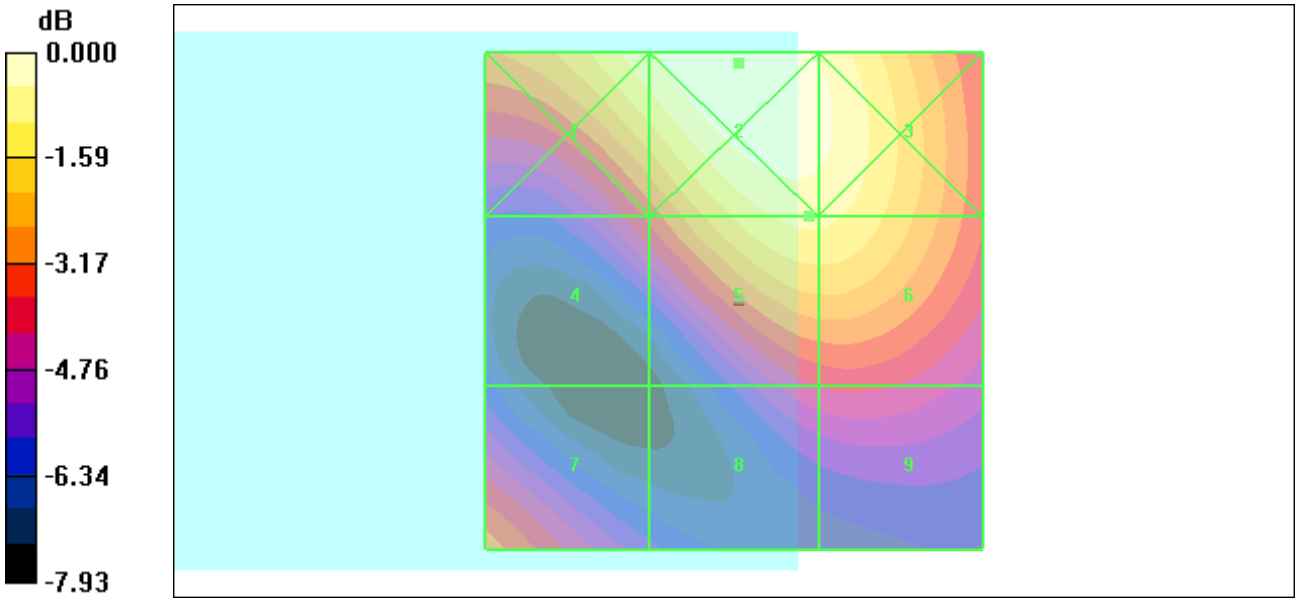
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 31.7 V/m
Probe Modulation Factor = 1.06
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 27.7 V/m; Power Drift = -0.135 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **32.8 M4**	Grid 2 **35.2 M4**	Grid 3 **33.8 M4**
Grid 4 **23.5 M4**	Grid 5 **31.7 M4**	Grid 6 **31.6 M4**
Grid 7 **25.3 M4**	Grid 8 **21.7 M4**	Grid 9 **22.1 M4**

Cursor:
Total = 35.2 V/m
E Category: M4
Location: -0.5, -24, 8.7 mm



0 dB = 35.2V/m

#15 HAC_E_WCDMA II_Ch9538_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.4 ℃

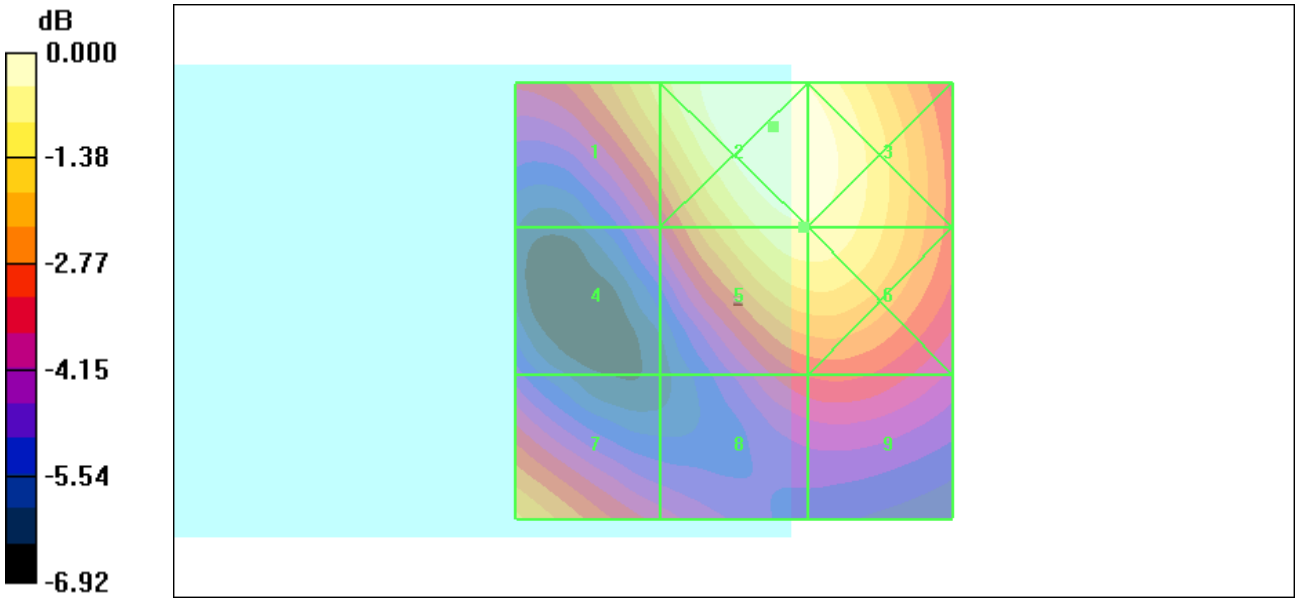
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 34.7 V/m
Probe Modulation Factor = 1.06
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 30.8 V/m; Power Drift = -0.140 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 **32.3 M4**	Grid 2 **36.9 M4**	Grid 3 **36.3 M4**
Grid 4 **24.2 M4**	Grid 5 **34.7 M4**	Grid 6 **34.7 M4**
Grid 7 **30.3 M4**	Grid 8 **25.6 M4**	Grid 9 **25.9 M4**

Cursor:
Total = 36.9 V/m
E Category: M4
Location: -4.5, -20, 8.7 mm



0 dB = 36.9V/m

#10 HAC_H_GSM850_Ch128_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

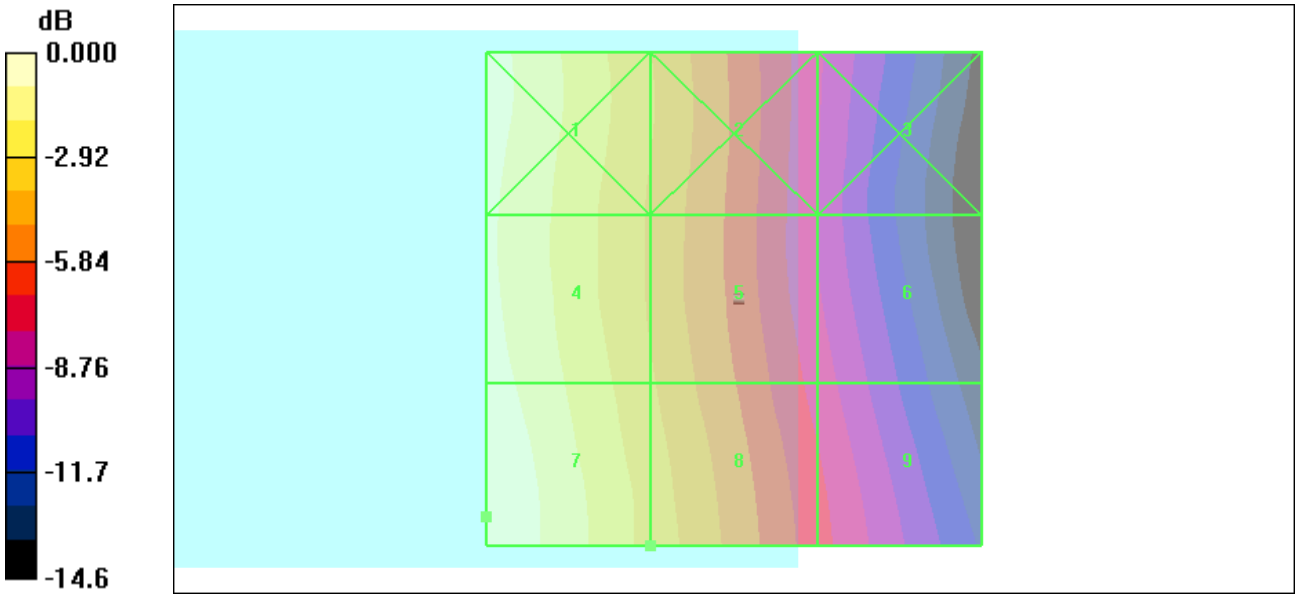
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.213 A/m
Probe Modulation Factor = 1.46
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.075 A/m; Power Drift = 0.033 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.201 M4**	Grid 2 **0.138 M4**	Grid 3 **0.079 M4**
Grid 4 **0.202 M4**	Grid 5 **0.139 M4**	Grid 6 **0.083 M4**
Grid 7 **0.213 M4**	Grid 8 **0.147 M4**	Grid 9 **0.091 M4**

Cursor:
Total = 0.213 A/m
H Category: M4
Location: 25, 22, 8.7 mm



0 dB = 0.213A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/1

#11 HAC_H_GSM850_Ch189_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

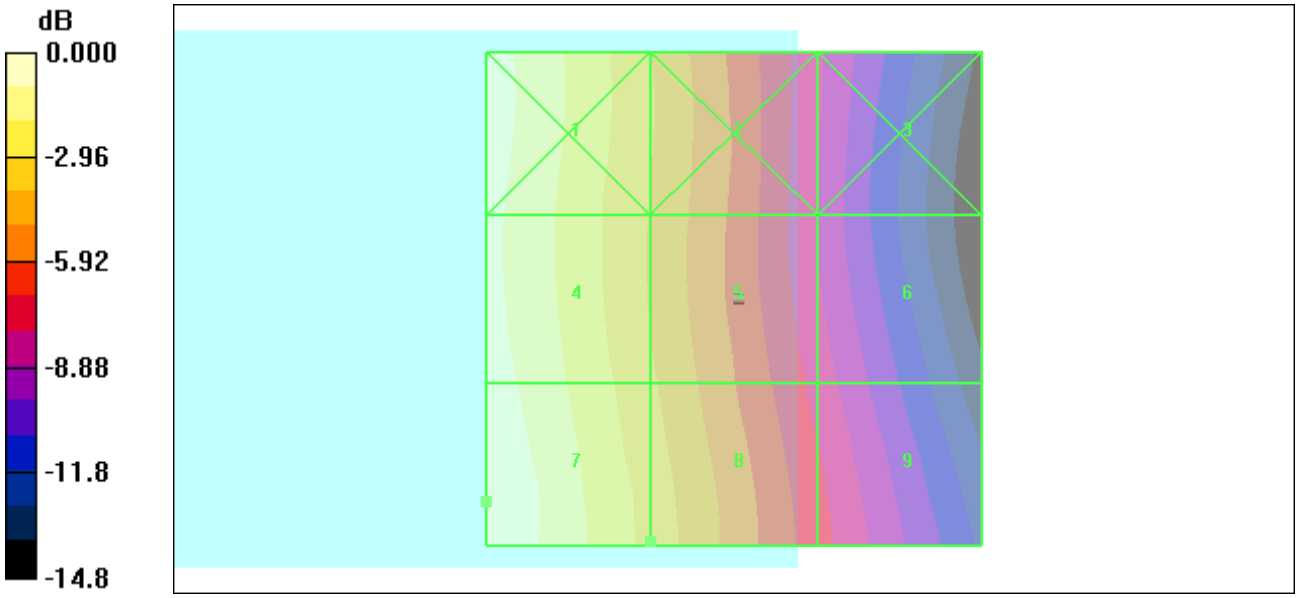
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.257 A/m
Probe Modulation Factor = 1.46
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.091 A/m; Power Drift = -0.067 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.243 M4**	Grid 2 **0.166 M4**	Grid 3 **0.095 M4**
Grid 4 **0.245 M4**	Grid 5 **0.167 M4**	Grid 6 **0.099 M4**
Grid 7 **0.257 M4**	Grid 8 **0.176 M4**	Grid 9 **0.109 M4**

Cursor:
Total = 0.257 A/m
H Category: M4
Location: 25, 20.5, 8.7 mm



0 dB = 0.257A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/1

#12 HAC_H_GSM850_Ch251_#3361

DUT: 051810-01

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

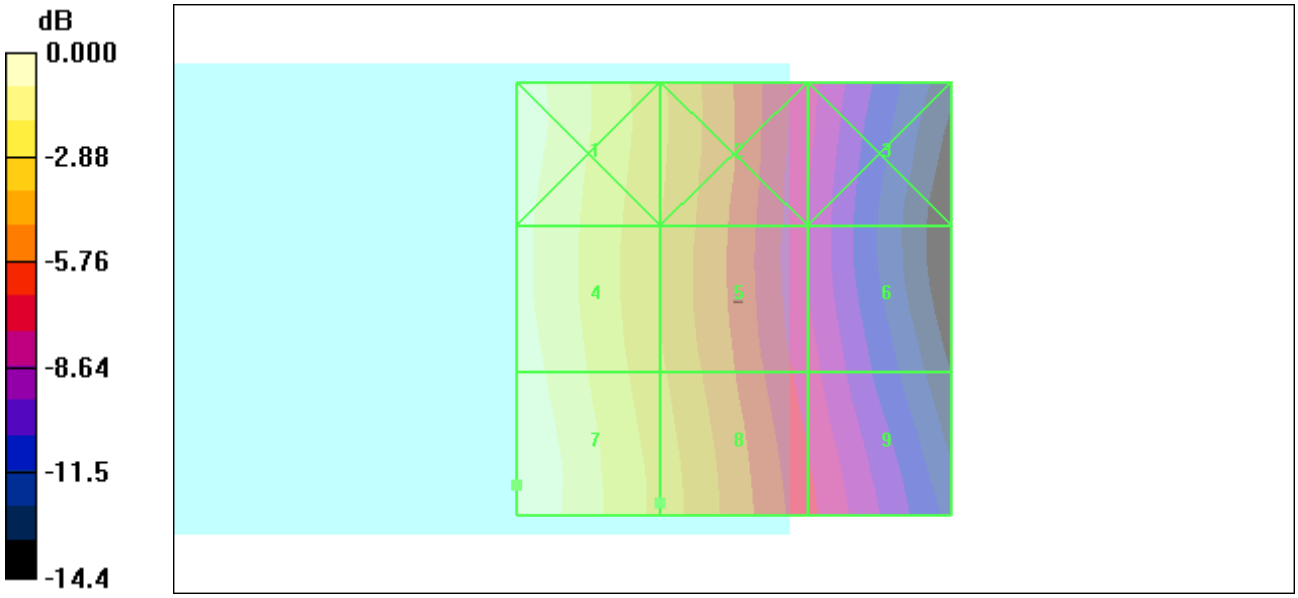
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.250 A/m
Probe Modulation Factor = 1.46
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.090 A/m; Power Drift = -0.035 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.240 M4**	Grid 2 **0.165 M4**	Grid 3 **0.097 M4**
Grid 4 **0.238 M4**	Grid 5 **0.164 M4**	Grid 6 **0.098 M4**
Grid 7 **0.250 M4**	Grid 8 **0.173 M4**	Grid 9 **0.107 M4**

Cursor:
Total = 0.250 A/m
H Category: M4
Location: 25, 21.5, 8.7 mm



0 dB = 0.250A/m

#07 HAC_H_GSM1900_Ch512_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.5 ℃

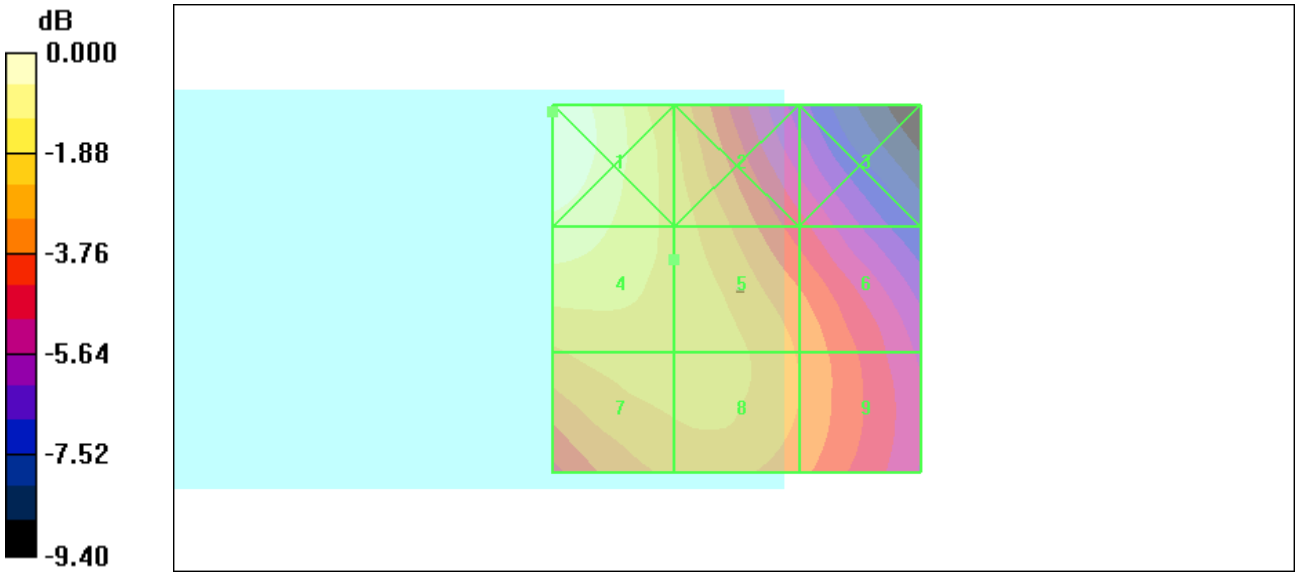
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch512/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.089 A/m
Probe Modulation Factor = 1.28
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.059 A/m; Power Drift = 0.038 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.097 M4**	Grid 2 **0.076 M4**	Grid 3 **0.056 M4**
Grid 4 **0.089 M4**	Grid 5 **0.076 M4**	Grid 6 **0.067 M4**
Grid 7 **0.076 M4**	Grid 8 **0.076 M4**	Grid 9 **0.068 M4**

Cursor:
Total = 0.097 A/m
H Category: M4
Location: 25, -24, 8.7 mm



0 dB = 0.097A/m

#08 HAC_H_GSM1900_Ch661_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

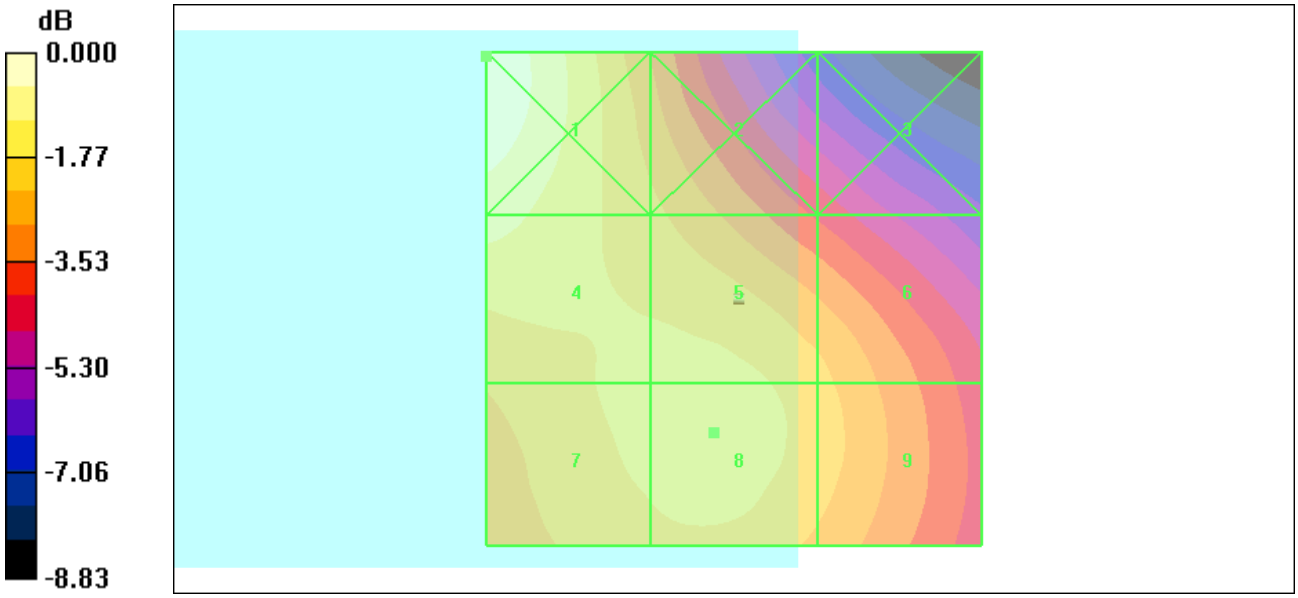
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch661/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.095 A/m
Probe Modulation Factor = 1.28
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.071 A/m; Power Drift = -0.057 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.106 M4**	Grid 2 **0.083 M4**	Grid 3 **0.065 M4**
Grid 4 **0.095 M4**	Grid 5 **0.089 M4**	Grid 6 **0.083 M4**
Grid 7 **0.089 M4**	Grid 8 **0.090 M4**	Grid 9 **0.084 M4**

Cursor:
Total = 0.106 A/m
H Category: M4
Location: 25, -24.5, 8.7 mm



0 dB = 0.106A/m

#09 HAC_H_GSM1900_Ch810_#3361

DUT: 051810-01

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

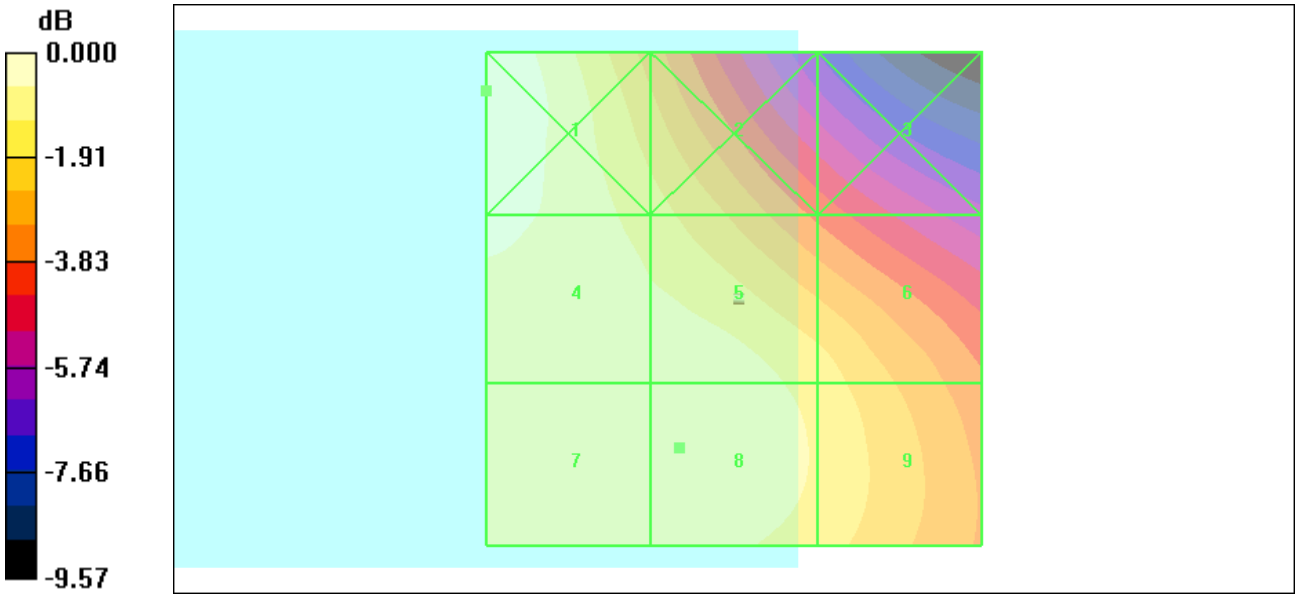
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.111 A/m
Probe Modulation Factor = 1.28
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.083 A/m; Power Drift = -0.018 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.117 M4**	Grid 2 **0.097 M4**	Grid 3 **0.074 M4**
Grid 4 **0.111 M4**	Grid 5 **0.106 M4**	Grid 6 **0.098 M4**
Grid 7 **0.108 M4**	Grid 8 **0.108 M4**	Grid 9 **0.100 M4**

Cursor:
Total = 0.117 A/m
H Category: M4
Location: 25, -21, 8.7 mm



0 dB = 0.117A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#22 HAC_H_WCDMA V_Ch4132_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.6 ℃

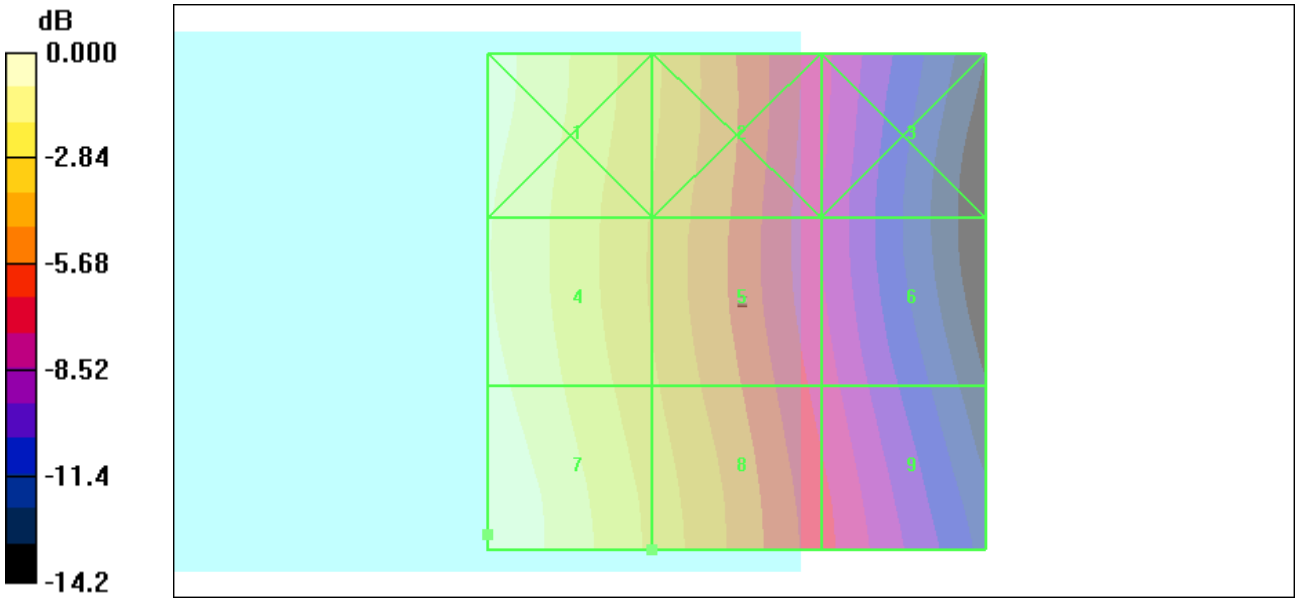
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.117 A/m
Probe Modulation Factor = 0.768
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.081 A/m; Power Drift = -0.066 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.111 M4**	Grid 2 **0.077 M4**	Grid 3 **0.046 M4**
Grid 4 **0.109 M4**	Grid 5 **0.077 M4**	Grid 6 **0.047 M4**
Grid 7 **0.117 M4**	Grid 8 **0.082 M4**	Grid 9 **0.051 M4**

Cursor:
Total = 0.117 A/m
H Category: M4
Location: 25, 23.5, 8.7 mm



0 dB = 0.117A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#23 HAC_H_WCDMA V_Ch4182_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.6 ℃

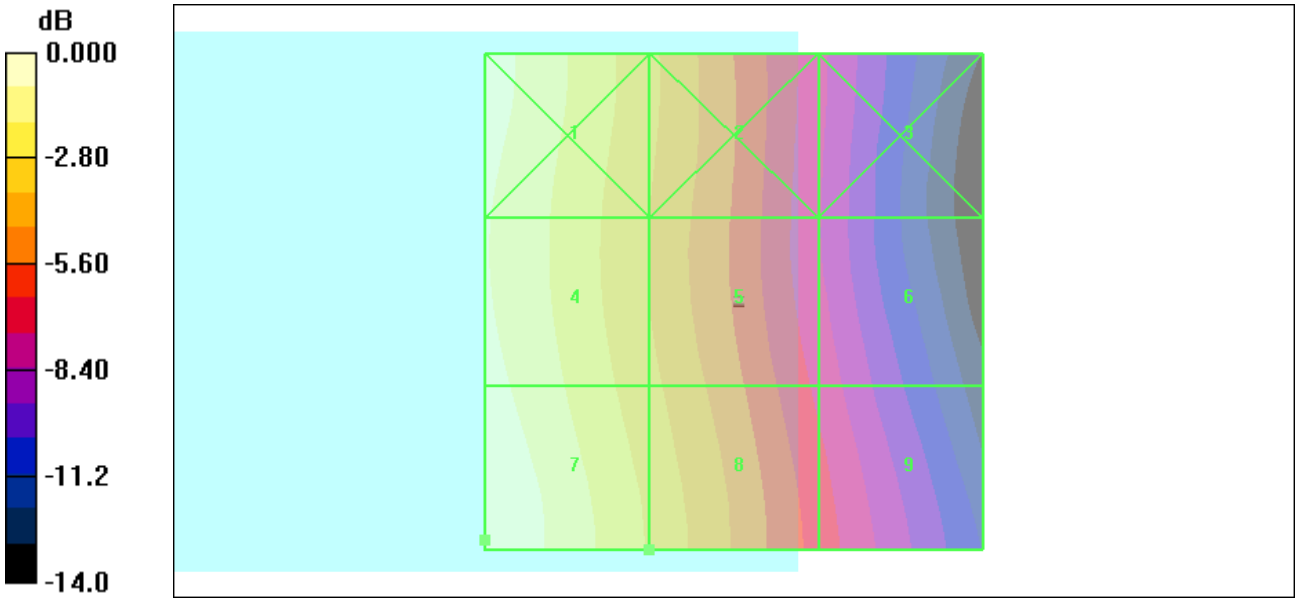
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.102 A/m
Probe Modulation Factor = 0.768
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.072 A/m; Power Drift = 0.064 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.097 M4**	Grid 2 **0.068 M4**	Grid 3 **0.040 M4**
Grid 4 **0.096 M4**	Grid 5 **0.069 M4**	Grid 6 **0.042 M4**
Grid 7 **0.102 M4**	Grid 8 **0.073 M4**	Grid 9 **0.046 M4**

Cursor:
Total = 0.102 A/m
H Category: M4
Location: 25, 24, 8.7 mm



0 dB = 0.102A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#24 HAC_H_WCDMA V_Ch4233_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.3 ℃

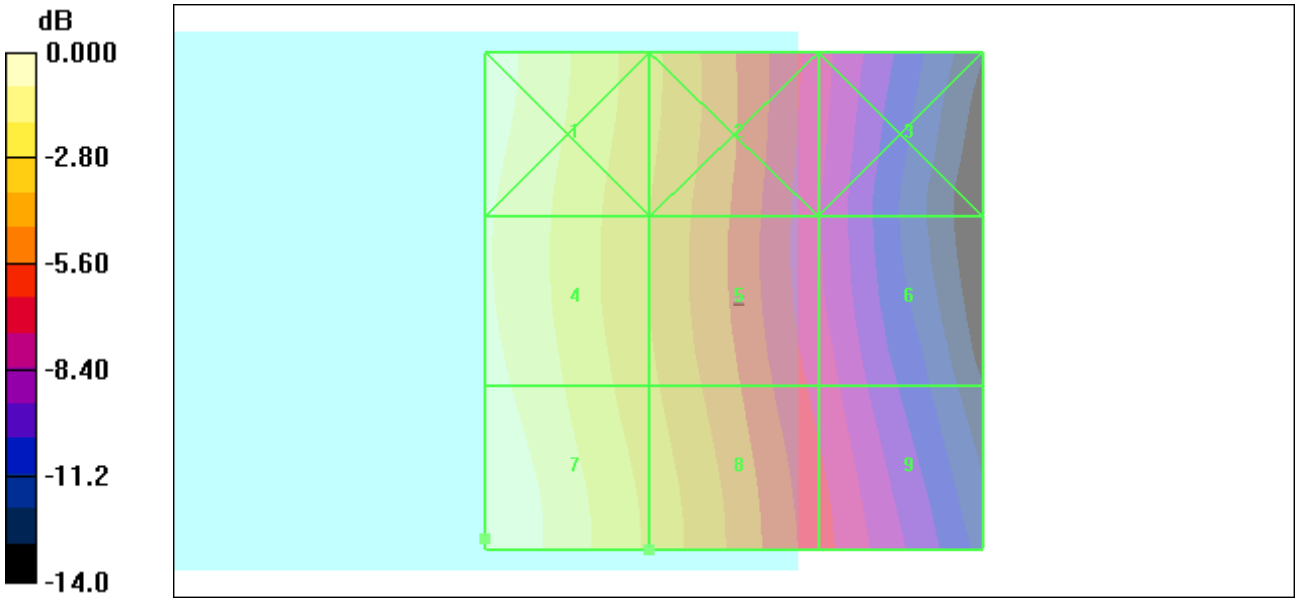
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4233/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.095 A/m
Probe Modulation Factor = 0.768
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.068 A/m; Power Drift = -0.178 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.091 M4**	Grid 2 **0.064 M4**	Grid 3 **0.038 M4**
Grid 4 **0.089 M4**	Grid 5 **0.063 M4**	Grid 6 **0.039 M4**
Grid 7 **0.095 M4**	Grid 8 **0.068 M4**	Grid 9 **0.042 M4**

Cursor:
Total = 0.095 A/m
H Category: M4
Location: 25, 24, 8.7 mm



0 dB = 0.095A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#19 HAC_H_WCDMA II_Ch9262_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.4 ℃

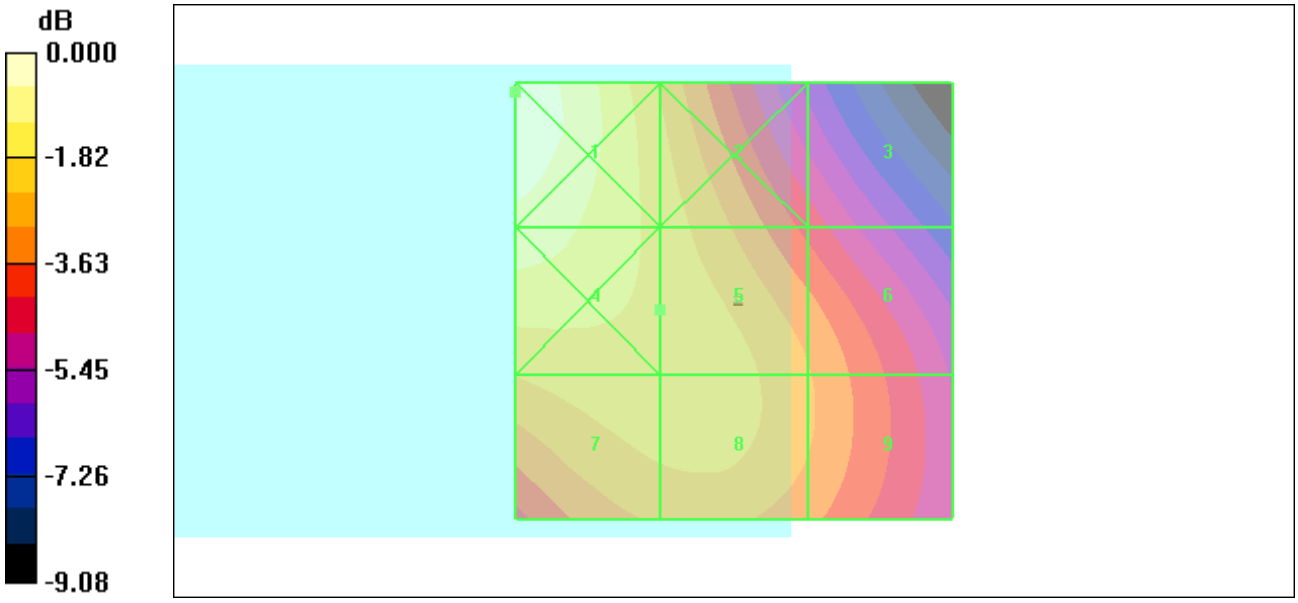
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.043 A/m
Probe Modulation Factor = 0.580
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.075 A/m; Power Drift = -0.121 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.054 M4**	Grid 2 **0.043 M4**	Grid 3 **0.032 M4**
Grid 4 **0.049 M4**	Grid 5 **0.043 M4**	Grid 6 **0.038 M4**
Grid 7 **0.043 M4**	Grid 8 **0.043 M4**	Grid 9 **0.039 M4**

Cursor:
Total = 0.054 A/m
H Category: M4
Location: 25, -24, 8.7 mm



0 dB = 0.054A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#20 HAC_H_WCDMA II_Ch9400_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.4 ℃

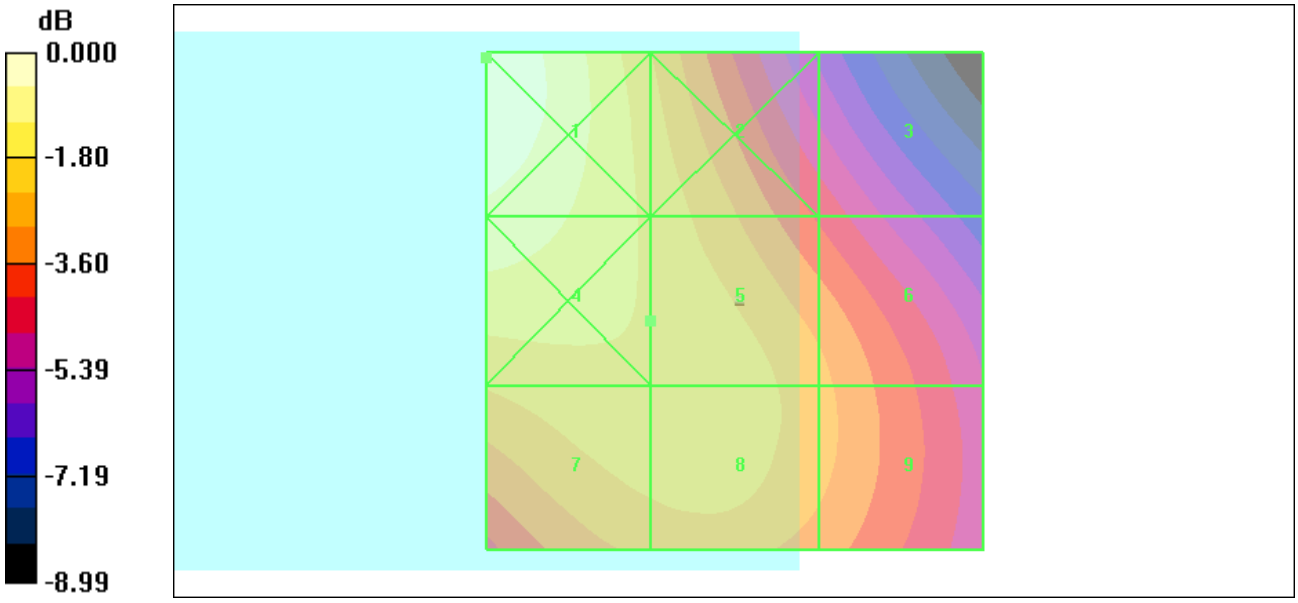
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.041 A/m
Probe Modulation Factor = 0.580
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.072 A/m; Power Drift = -0.080 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.051 M4**	Grid 2 **0.041 M4**	Grid 3 **0.031 M4**
Grid 4 **0.047 M4**	Grid 5 **0.041 M4**	Grid 6 **0.037 M4**
Grid 7 **0.041 M4**	Grid 8 **0.041 M4**	Grid 9 **0.037 M4**

Cursor:
Total = 0.051 A/m
H Category: M4
Location: 25, -24.5, 8.7 mm



0 dB = 0.051A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/2

#21 HAC_H_WCDMA II_Ch9538_#3361

DUT: 051810-01

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.5 ℃

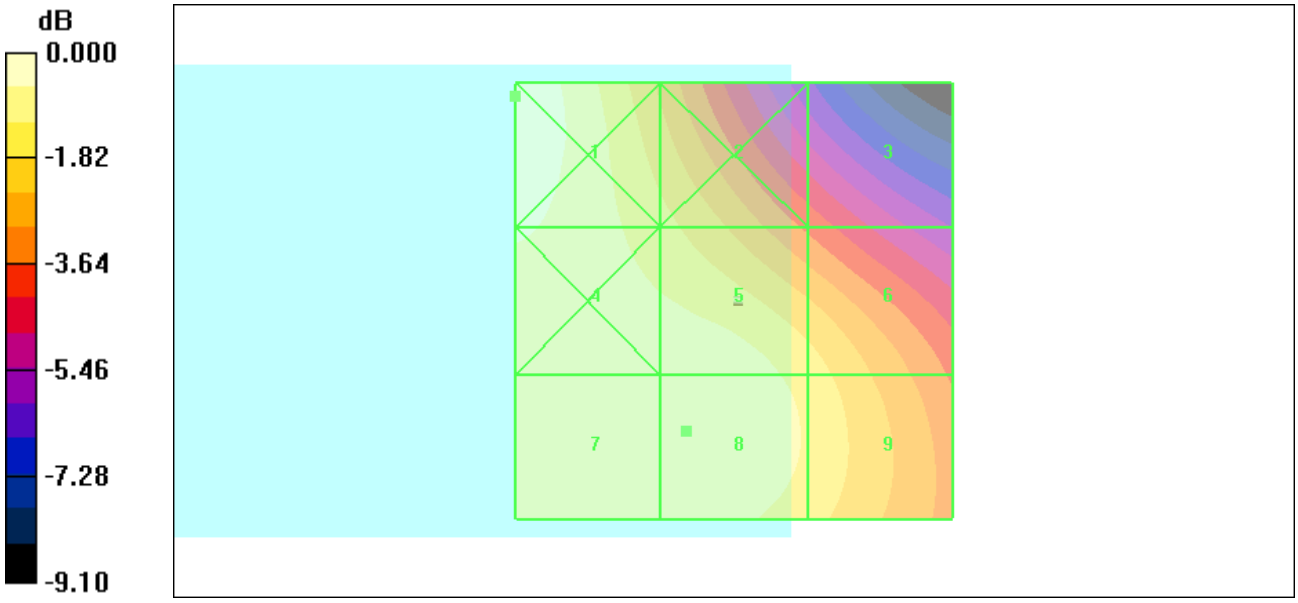
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.053 A/m
Probe Modulation Factor = 0.580
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.089 A/m; Power Drift = -0.138 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.057 M4**	Grid 2 **0.047 M4**	Grid 3 **0.037 M4**
Grid 4 **0.054 M4**	Grid 5 **0.052 M4**	Grid 6 **0.048 M4**
Grid 7 **0.053 M4**	Grid 8 **0.053 M4**	Grid 9 **0.049 M4**

Cursor:
Total = 0.057 A/m
H Category: M4
Location: 25, -23.5, 8.7 mm



0 dB = 0.057A/m