



Appendix B - HAC Measurement Data

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA850 Ch1013_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 824.7 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 121.6 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 123.0 V/m; Power Drift = -0.014 dB

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

Peak E-field in V/m

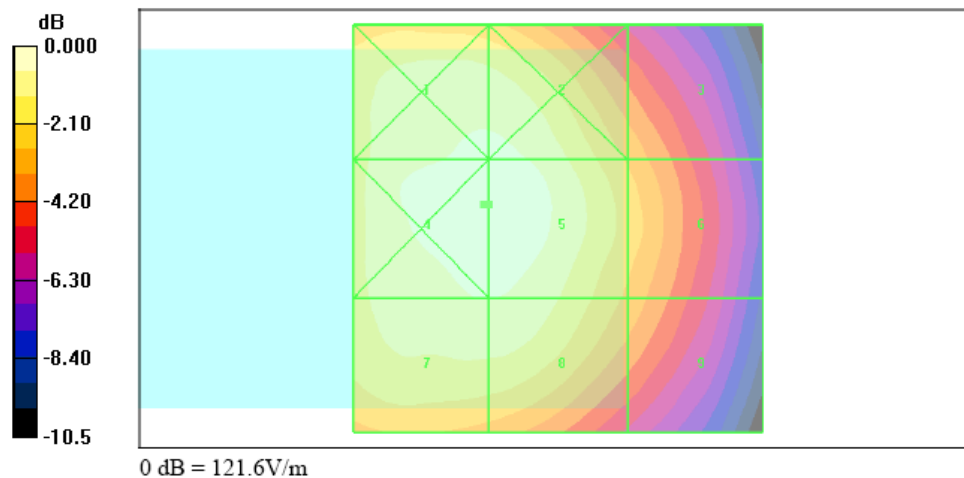
Grid 1 115.7 M4	Grid 2 115.7 M4	Grid 3 87.3 M4
Grid 4 121.6 M4	Grid 5 121.6 M4	Grid 6 92.9 M4
Grid 7 112.3 M4	Grid 8 112.2 M4	Grid 9 86.6 M4

Cursor:

Total = 121.6 V/m

E Category: M4

Location: 9, -3, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA850 Ch384_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 836.52 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch384/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 123.7 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 129.1 V/m; Power Drift = -0.138 dB

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

Peak E-field in V/m

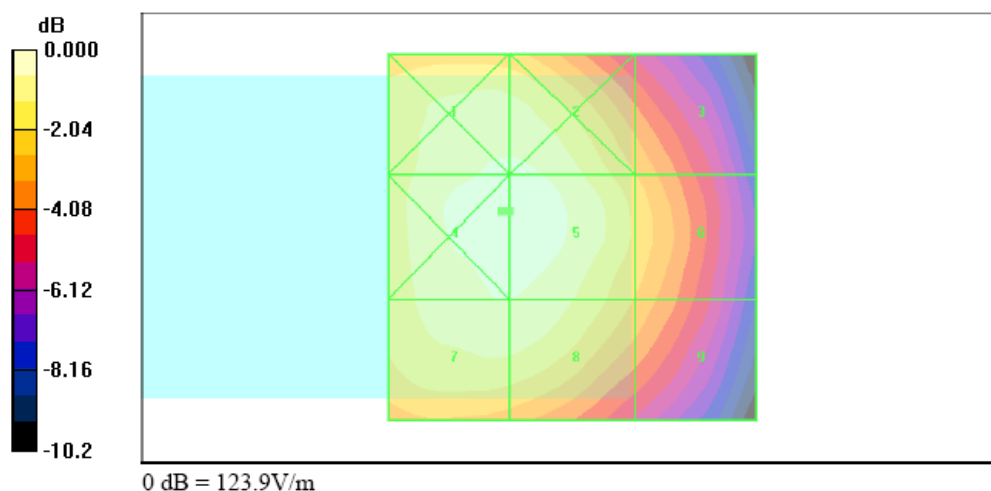
Grid 1	Grid 2	Grid 3
117.5 M4	117.5 M4	91.1 M4
Grid 4	Grid 5	Grid 6
123.9 M4	123.7 M4	96.8 M4
Grid 7	Grid 8	Grid 9
114.8 M4	114.6 M4	90.3 M4

Cursor:

Total = 123.9 V/m

E Category: M4

Location: 9.5, -3.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA850 Ch777_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 848.31 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 126.1 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 131.6 V/m; Power Drift = 0.020 dB

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

Peak E-field in V/m

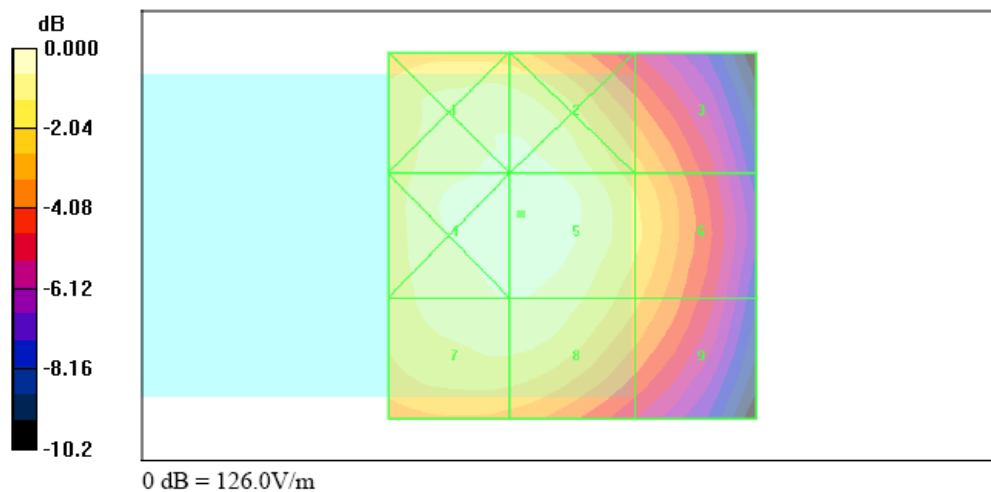
Grid 1	Grid 2	Grid 3
120.3 M4	120.6 M4	96.1 M4
Grid 4	Grid 5	Grid 6
125.8 M4	126.1 M4	102.0 M4
Grid 7	Grid 8	Grid 9
116.6 M4	116.7 M4	94.4 M4

Cursor:

Total = 126.0 V/m

E Category: M4

Location: 7, -3, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA850 Ch777_RC3 SO55_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; Frequency: 848.31 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 127.4 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 132.8 V/m; Power Drift = -0.011 dB

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

Peak E-field in V/m

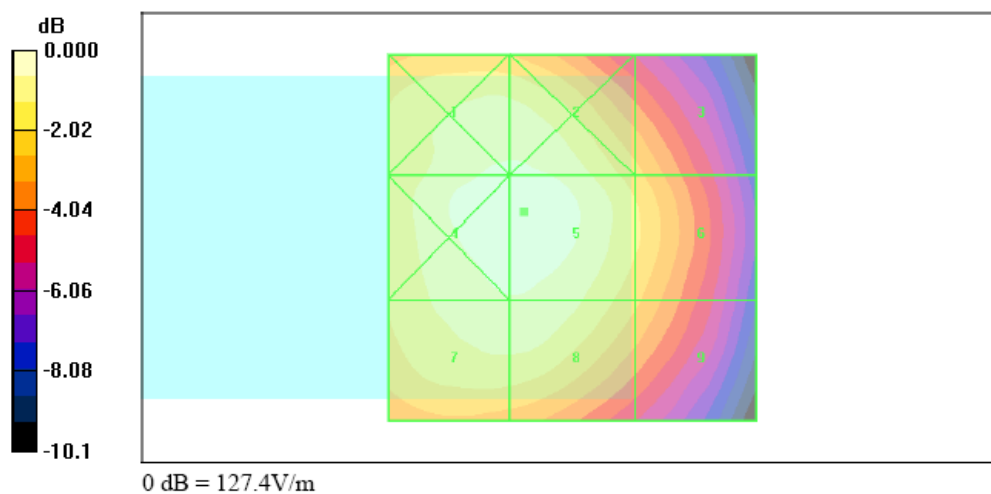
Grid 1	Grid 2	Grid 3
120.7 M4	120.8 M4	96.7 M4
Grid 4	Grid 5	Grid 6
127.1 M4	127.4 M4	102.9 M4
Grid 7	Grid 8	Grid 9
117.5 M4	117.5 M4	95.3 M4

Cursor:

Total = 127.4 V/m

E Category: M4

Location: 6.5, -3.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1700 Ch25_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1711.25 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 65.5 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 66.5 V/m; Power Drift = 0.209 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

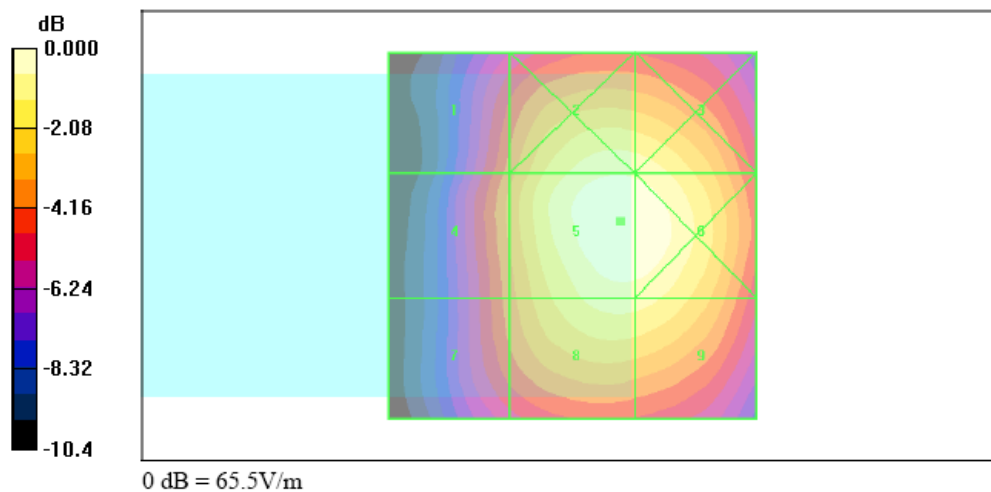
Grid 1	Grid 2	Grid 3
42.5 M4	60.2 M4	59.7 M4
Grid 4	Grid 5	Grid 6
45.2 M4	65.5 M3	65.0 M3
Grid 7	Grid 8	Grid 9
42.5 M4	58.3 M4	58.0 M4

Cursor:

Total = 65.5 V/m

E Category: M3

Location: -6.5, -2, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1700 Ch425_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1731.25 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch425/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 62.4 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 65.3 V/m; Power Drift = -0.106 dB

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

Peak E-field in V/m

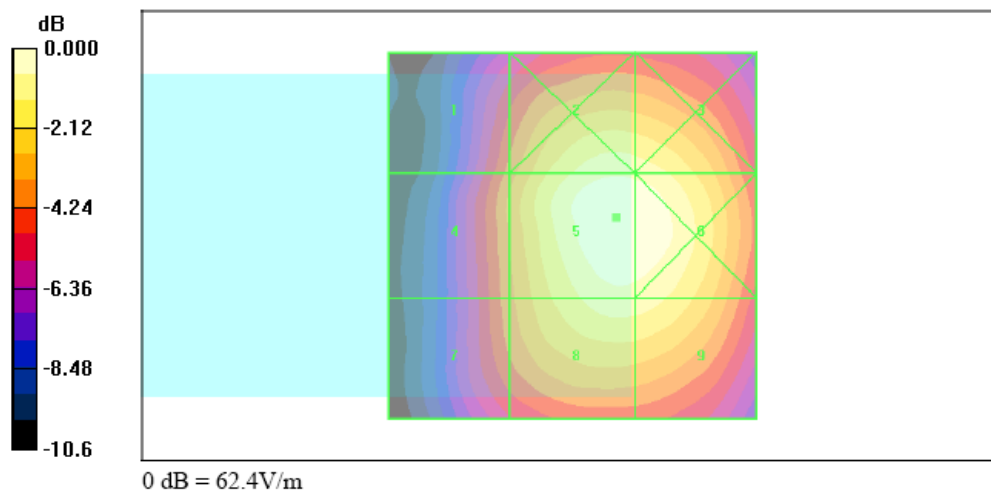
Grid 1	Grid 2	Grid 3
39.9 M4	57.1 M4	56.4 M4
Grid 4	Grid 5	Grid 6
42.5 M4	62.4 M4	61.7 M4
Grid 7	Grid 8	Grid 9
40.6 M4	56.0 M4	55.6 M4

Cursor:

Total = 62.4 V/m

E Category: M4

Location: -6, -2.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1700_Ch875_RC3_SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1753.75 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 22.7 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch875/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 63.6 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 65.2 V/m; Power Drift = -0.104 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

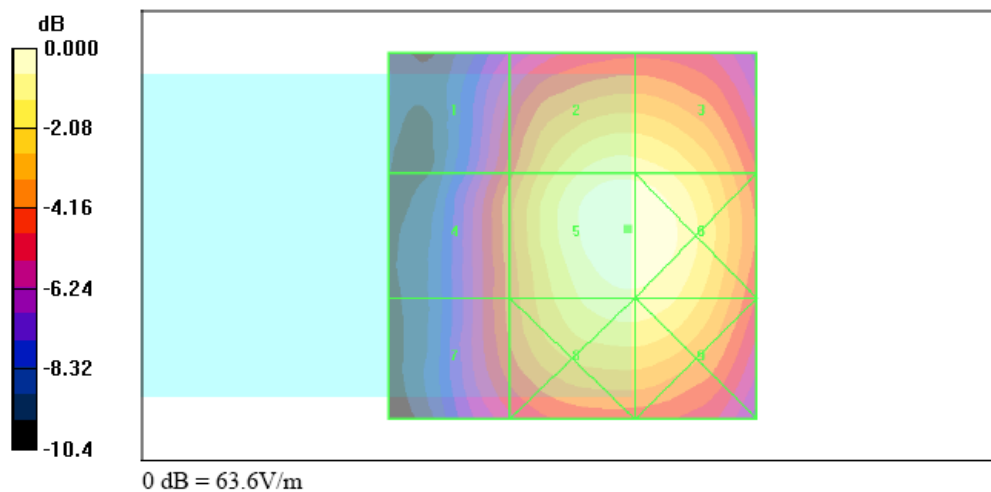
Grid 1	Grid 2	Grid 3
38.4 M4	57.7 M4	57.3 M4
Grid 4	Grid 5	Grid 6
41.9 M4	63.6 M3	63.5 M3
Grid 7	Grid 8	Grid 9
40.6 M4	57.7 M4	57.7 M4

Cursor:

Total = 63.6 V/m

E Category: M3

Location: -7.5, -1, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1700 Ch25_RC3 SO55_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; Frequency: 1711.25 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: 2008/1/28

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2007/9/17

- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 66.1 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 68.1 V/m; Power Drift = 0.106 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

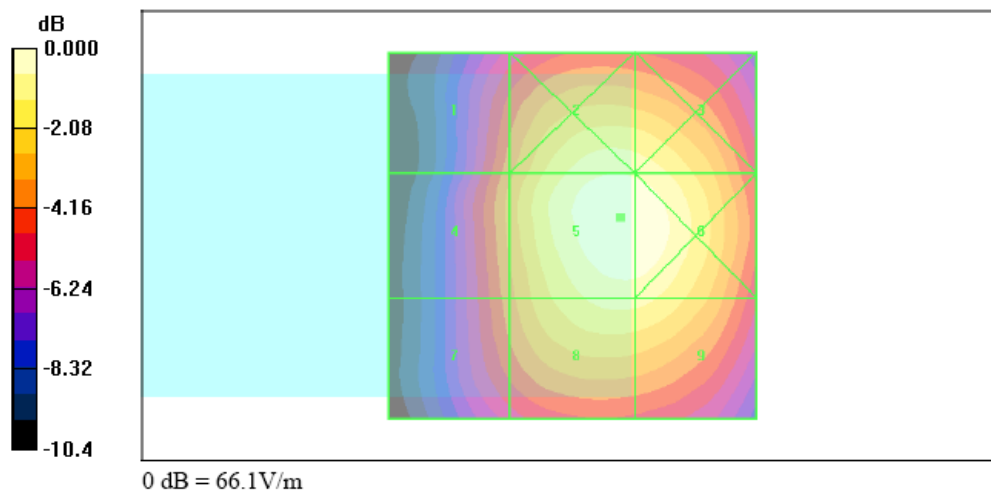
Grid 1	Grid 2	Grid 3
43.4 M4	61.0 M4	60.2 M4
Grid 4	Grid 5	Grid 6
45.9 M4	66.1 M3	65.6 M3
Grid 7	Grid 8	Grid 9
43.1 M4	58.4 M4	58.1 M4

Cursor:

Total = 66.1 V/m

E Category: M3

Location: -6.5, -2.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1900 Ch25_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 22.7 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 59.2 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 61.6 V/m; Power Drift = -0.107 dB

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

Peak E-field in V/m

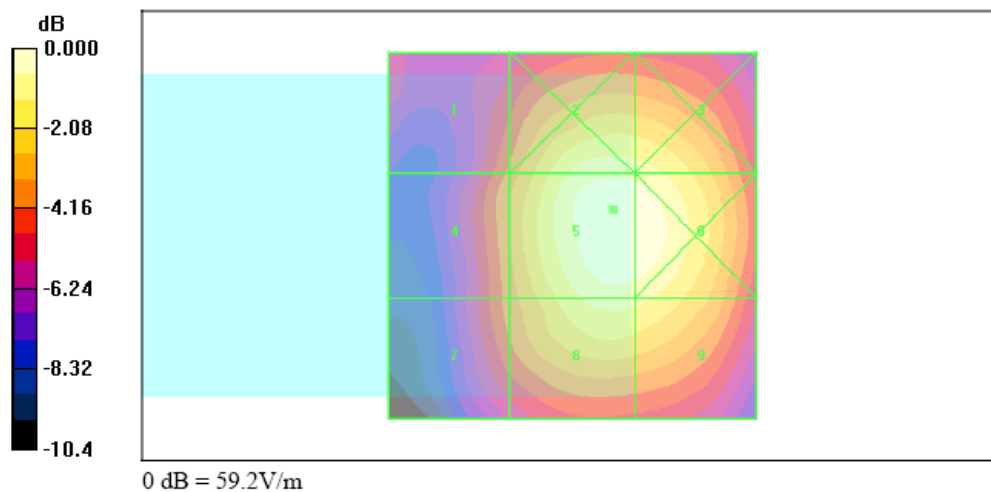
Grid 1	Grid 2	Grid 3
37.6 M4	53.8 M4	53.1 M4
Grid 4	Grid 5	Grid 6
40.2 M4	59.2 M4	58.5 M4
Grid 7	Grid 8	Grid 9
38.4 M4	52.4 M4	51.8 M4

Cursor:

Total = 59.2 V/m

E Category: M4

Location: -5.5, -3.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/3/31

HAC_E_CDMA1900_Ch600_RC3_SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; 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 : 22.7 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 59.6 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 61.8 V/m; Power Drift = 0.059 dB

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

Peak E-field in V/m

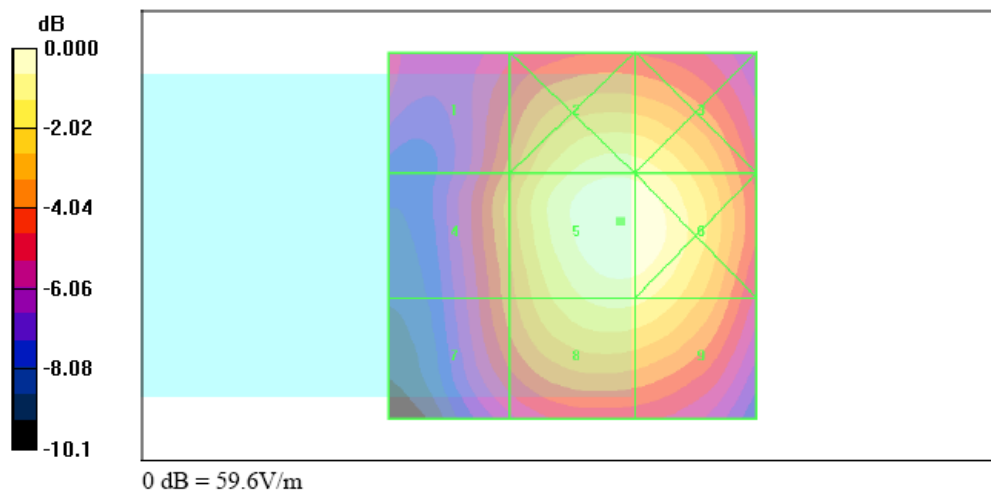
Grid 1	Grid 2	Grid 3
39.1 M4	54.5 M4	53.9 M4
Grid 4	Grid 5	Grid 6
42.0 M4	59.6 M4	59.1 M4
Grid 7	Grid 8	Grid 9
39.3 M4	52.6 M4	52.2 M4

Cursor:

Total = 59.6 V/m

E Category: M4

Location: -6.5, -2, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_E_CDMA1900_Ch1175_RC3_SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1908.75 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 57.2 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 58.8 V/m; Power Drift = 0.088 dB

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

Peak E-field in V/m

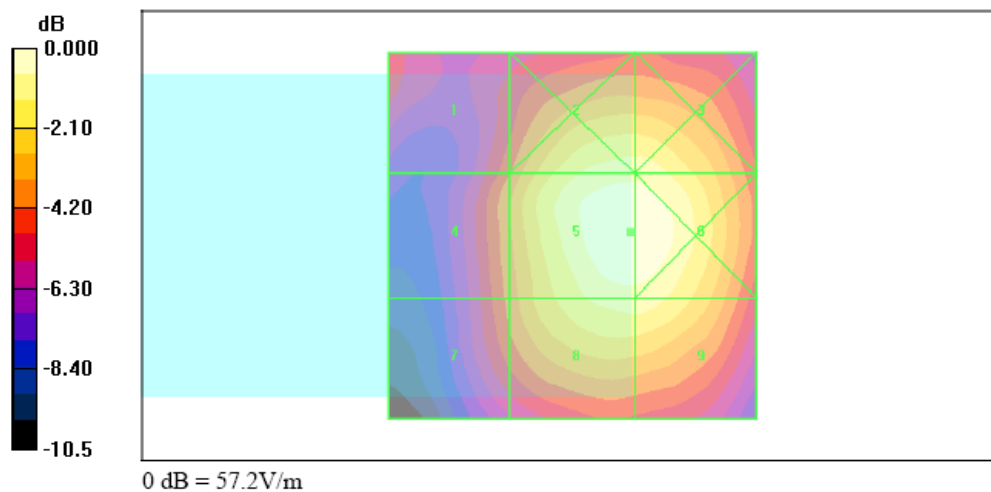
Grid 1	Grid 2	Grid 3
35.2 M4	51.5 M4	51.5 M4
Grid 4	Grid 5	Grid 6
38.3 M4	57.2 M4	57.2 M4
Grid 7	Grid 8	Grid 9
36.5 M4	51.1 M4	51.1 M4

Cursor:

Total = 57.2 V/m

E Category: M4

Location: -8, -0.5, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2008/3/31

HAC_E_CDMA1900_Ch600_RC3_SO55_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; 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 : 22.8 °C

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 58.9 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 61.5 V/m; Power Drift = -0.146 dB

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

Peak E-field in V/m

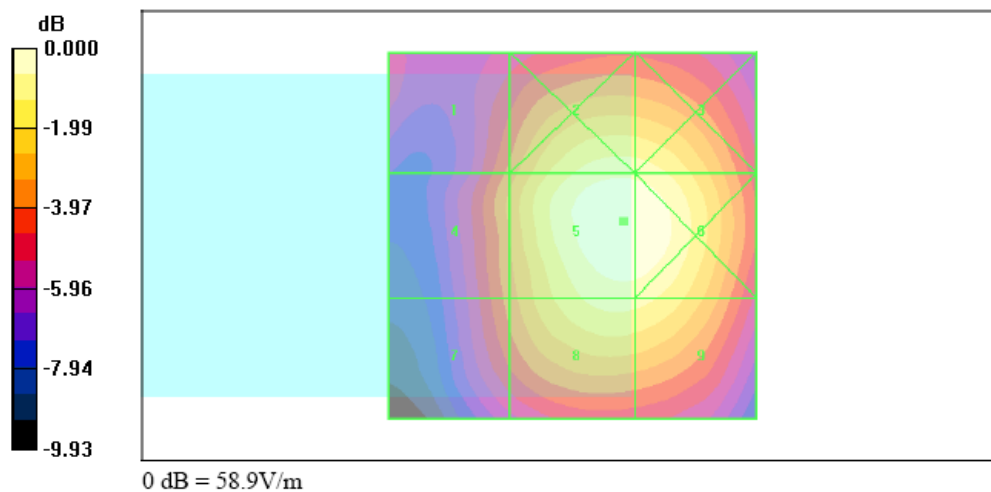
Grid 1	Grid 2	Grid 3
38.5 M4	53.7 M4	53.4 M4
Grid 4	Grid 5	Grid 6
41.1 M4	58.9 M4	58.7 M4
Grid 7	Grid 8	Grid 9
38.7 M4	52.6 M4	52.2 M4

Cursor:

Total = 58.9 V/m

E Category: M4

Location: -7, -2, 364.8 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/3/31

HAC_H_CDMA850 Ch1013_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 824.7 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.107 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.079 A/m; Power Drift = 0.089 dB

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

Peak H-field in A/m

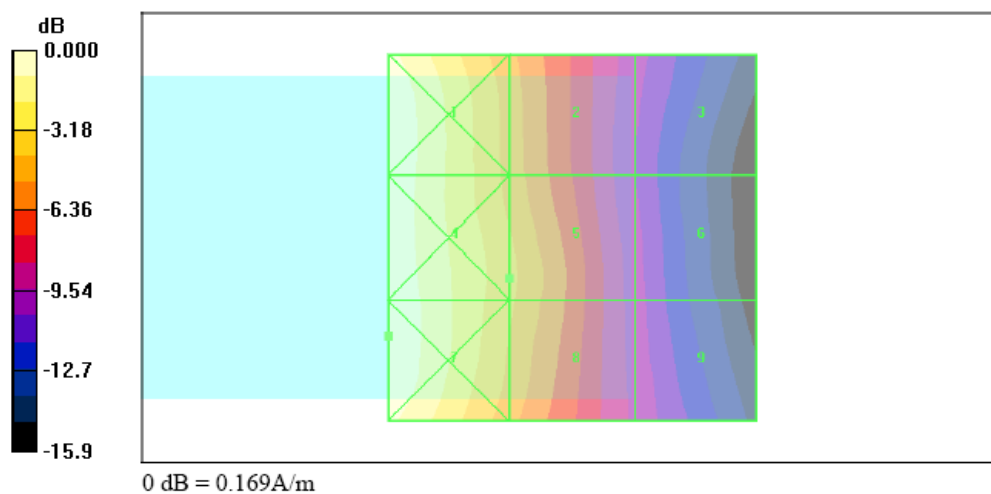
Grid 1	Grid 2	Grid 3
0.167 M4	0.100 M4	0.053 M4
Grid 4	Grid 5	Grid 6
0.168 M4	0.107 M4	0.053 M4
Grid 7	Grid 8	Grid 9
0.169 M4	0.106 M4	0.055 M4

Cursor:

Total = 0.169 A/m

H Category: M4

Location: 25, 13.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA850 Ch384_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 836.52 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch384/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.112 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.084 A/m; Power Drift = 0.036 dB

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

Peak H-field in A/m

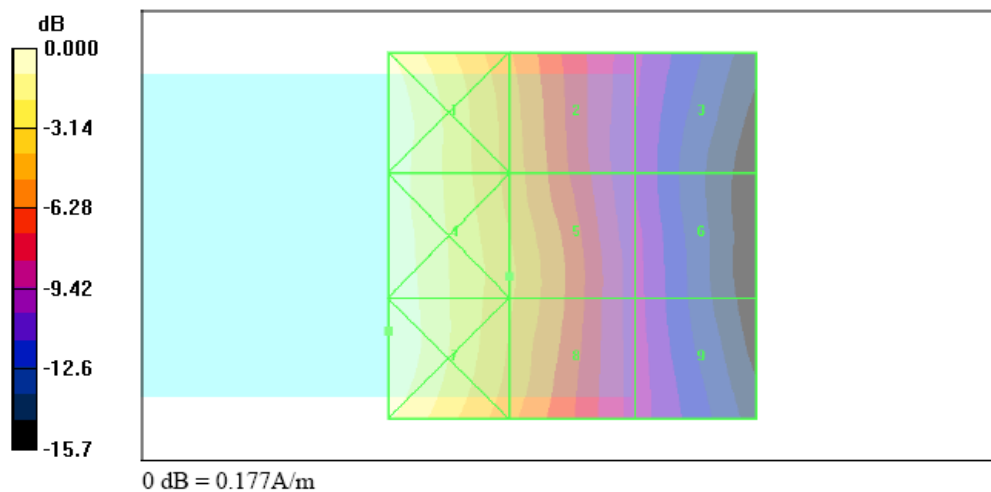
Grid 1	Grid 2	Grid 3
0.172 M4	0.105 M4	0.055 M4
Grid 4	Grid 5	Grid 6
0.175 M4	0.112 M4	0.056 M4
Grid 7	Grid 8	Grid 9
0.177 M4	0.111 M4	0.057 M4

Cursor:

Total = 0.177 A/m

H Category: M4

Location: 25, 13, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA850 Ch777_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 848.31 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.118 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.088 A/m; Power Drift = 0.005 dB

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

Peak H-field in A/m

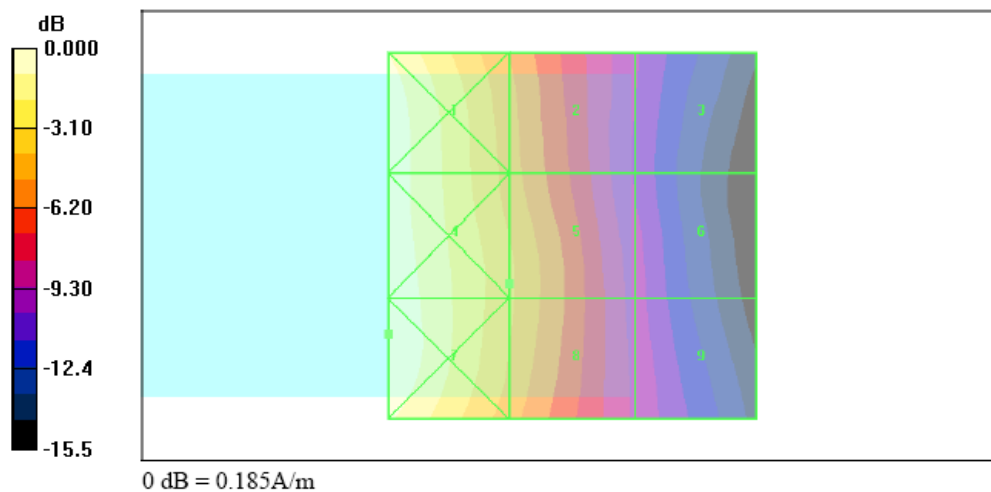
Grid 1	Grid 2	Grid 3
0.177 M4	0.109 M4	0.058 M4
Grid 4	Grid 5	Grid 6
0.183 M4	0.118 M4	0.060 M4
Grid 7	Grid 8	Grid 9
0.185 M4	0.117 M4	0.062 M4

Cursor:

Total = 0.185 A/m

H Category: M4

Location: 25, 13.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA850 Ch777_RC3 SO55_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; Frequency: 848.31 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.120 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.089 A/m; Power Drift = 0.087 dB

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

Peak H-field in A/m

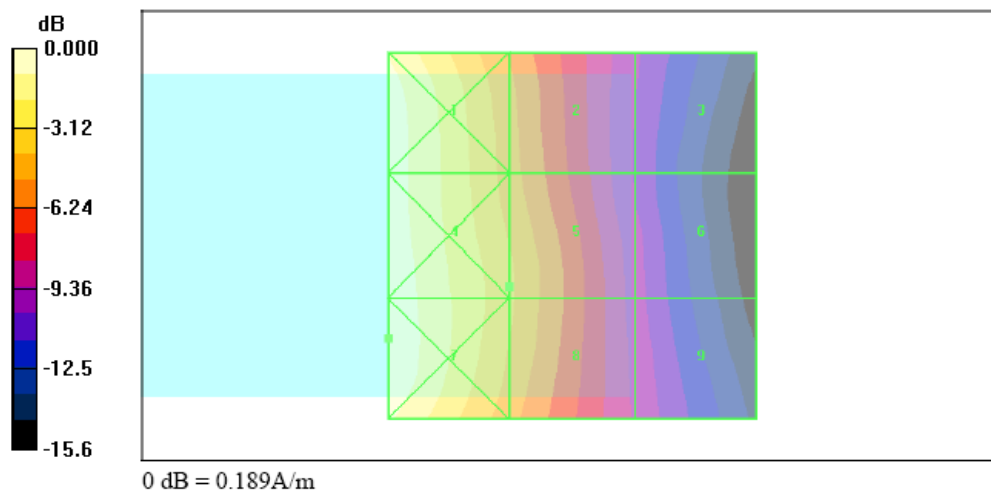
Grid 1	Grid 2	Grid 3
0.180 M4	0.111 M4	0.059 M4
Grid 4	Grid 5	Grid 6
0.186 M4	0.120 M4	0.061 M4
Grid 7	Grid 8	Grid 9
0.189 M4	0.120 M4	0.064 M4

Cursor:

Total = 0.189 A/m

H Category: M4

Location: 25, 14, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA1700 Ch25_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1711.25 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 22.7 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.156 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.116 A/m; Power Drift = 0.228 dB

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

Peak H-field in A/m

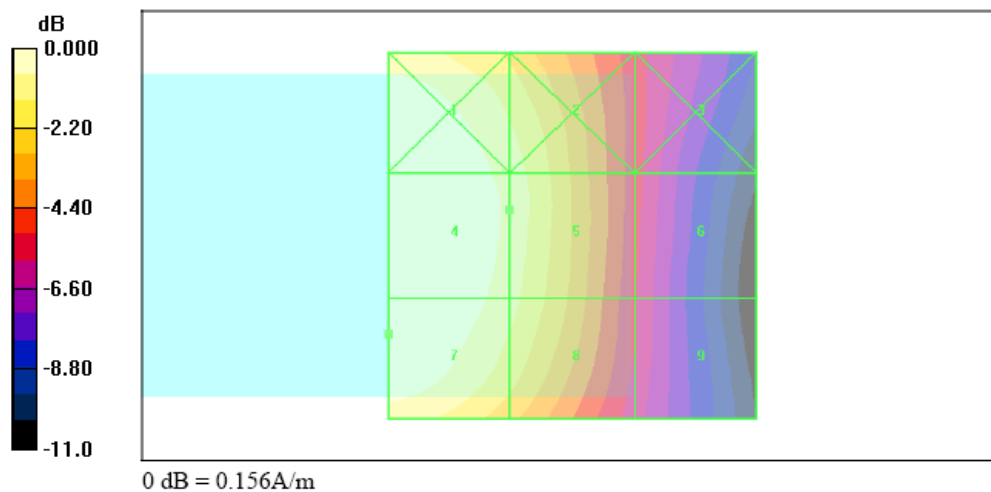
Grid 1	Grid 2	Grid 3
0.155 M4	0.138 M4	0.083 M4
Grid 4	Grid 5	Grid 6
0.155 M4	0.140 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.156 M4	0.136 M4	0.080 M4

Cursor:

Total = 0.156 A/m

H Category: M4

Location: 25, 13.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/3/31

HAC_H_CDMA1700_Ch425_RC3_SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1731.25 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch425/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.157 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.119 A/m; Power Drift = -0.182 dB

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

Peak H-field in A/m

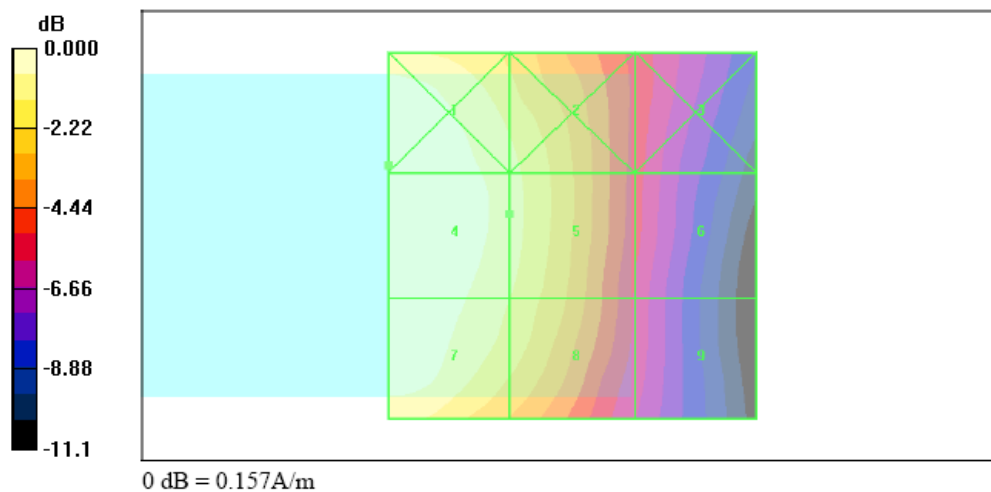
Grid 1	Grid 2	Grid 3
0.157 M4	0.136 M4	0.085 M4
Grid 4	Grid 5	Grid 6
0.157 M4	0.138 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.155 M4	0.133 M4	0.079 M4

Cursor:

Total = 0.157 A/m

H Category: M4

Location: 25, -9.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA1700 Ch875_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1753.75 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 22.7 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch875/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.156 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.122 A/m; Power Drift = -0.011 dB

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

Peak H-field in A/m

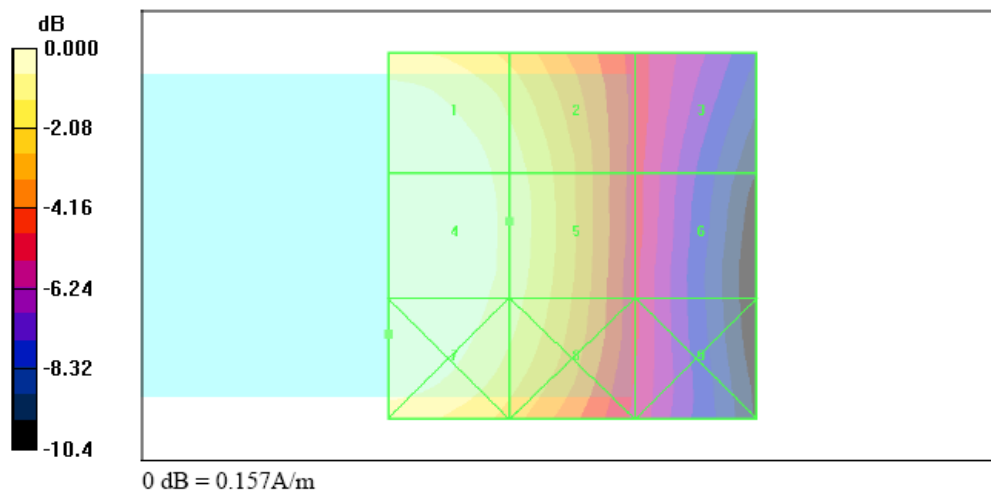
Grid 1	Grid 2	Grid 3
0.155 M4	0.140 M4	0.088 M4
Grid 4	Grid 5	Grid 6
0.156 M4	0.141 M4	0.087 M4
Grid 7	Grid 8	Grid 9
0.157 M4	0.139 M4	0.085 M4

Cursor:

Total = 0.157 A/m

H Category: M4

Location: 25, 13.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/3/31

HAC_H_CDMA1700_Ch425_RC3_S055_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; Frequency: 1731.25 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch425/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.139 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.118 A/m; Power Drift = -0.172 dB

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

Peak H-field in A/m

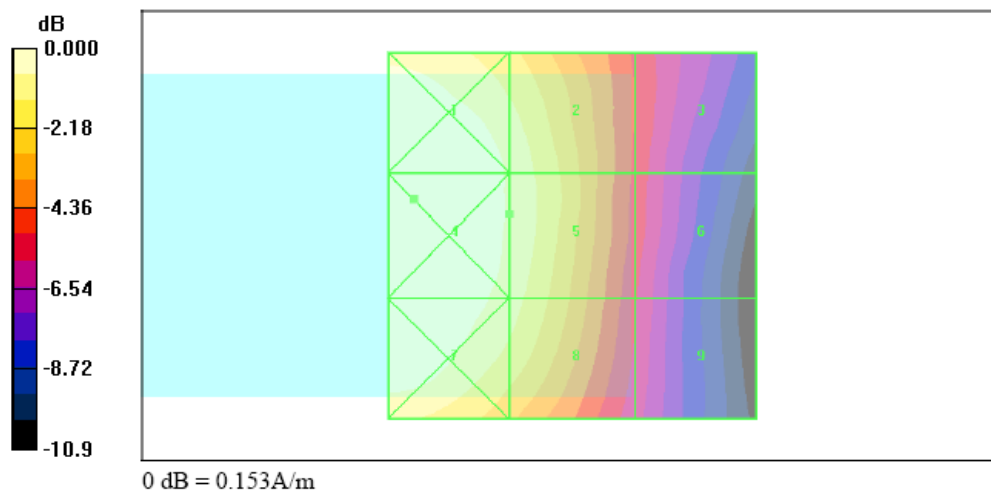
Grid 1	Grid 2	Grid 3
0.153 M4	0.139 M4	0.085 M4
Grid 4	Grid 5	Grid 6
0.153 M4	0.139 M4	0.084 M4
Grid 7	Grid 8	Grid 9
0.153 M4	0.135 M4	0.079 M4

Cursor:

Total = 0.153 A/m

H Category: M4

Location: 21.5, -5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA1900 Ch25_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1851.25 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: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.153 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.123 A/m; Power Drift = 0.043 dB

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

Peak H-field in A/m

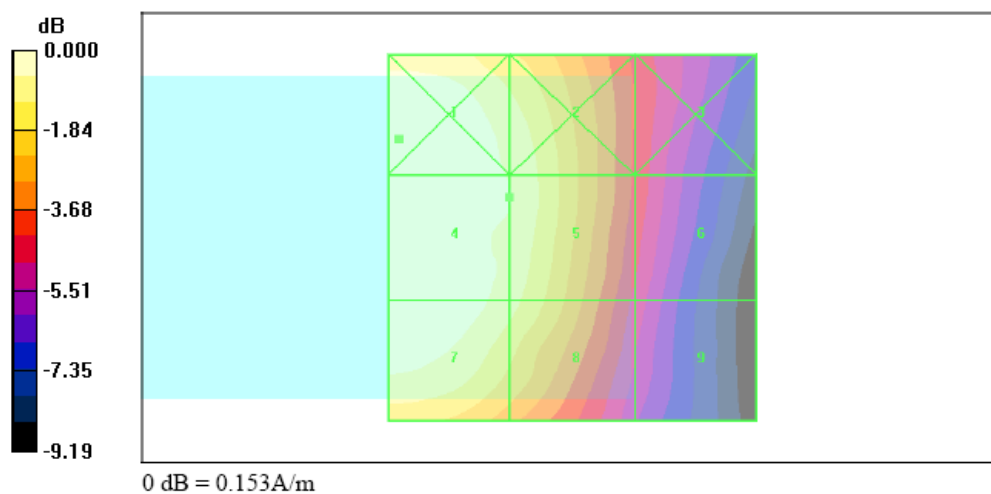
Grid 1	Grid 2	Grid 3
0.153 M4	0.142 M4	0.093 M4
Grid 4	Grid 5	Grid 6
0.153 M4	0.143 M4	0.092 M4
Grid 7	Grid 8	Grid 9
0.149 M4	0.137 M4	0.086 M4

Cursor:

Total = 0.153 A/m

H Category: M4

Location: 23.5, -13.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA1900 Ch600_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; 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 : 22.5 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.157 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.122 A/m; Power Drift = -0.041 dB

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

Peak H-field in A/m

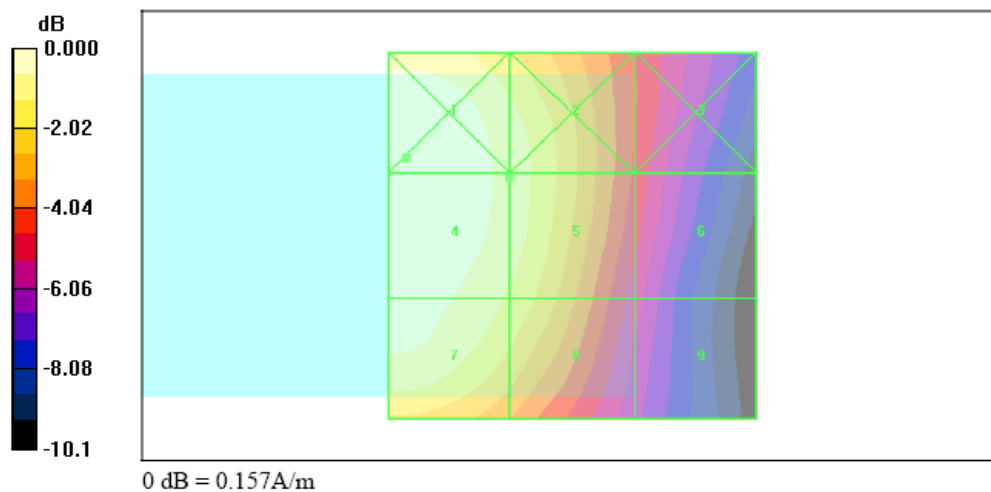
Grid 1	Grid 2	Grid 3
0.157 M4	0.141 M4	0.092 M4
Grid 4	Grid 5	Grid 6
0.157 M4	0.141 M4	0.090 M4
Grid 7	Grid 8	Grid 9
0.150 M4	0.133 M4	0.081 M4

Cursor:

Total = 0.157 A/m

H Category: M4

Location: 22.5, -10.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date:2008/3/31

HAC_H_CDMA1900 Ch1175_RC3 SO55_Loop_Full**DUT: 820515**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 22.6 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.141 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.115 A/m; Power Drift = 0.125 dB

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

Peak H-field in A/m

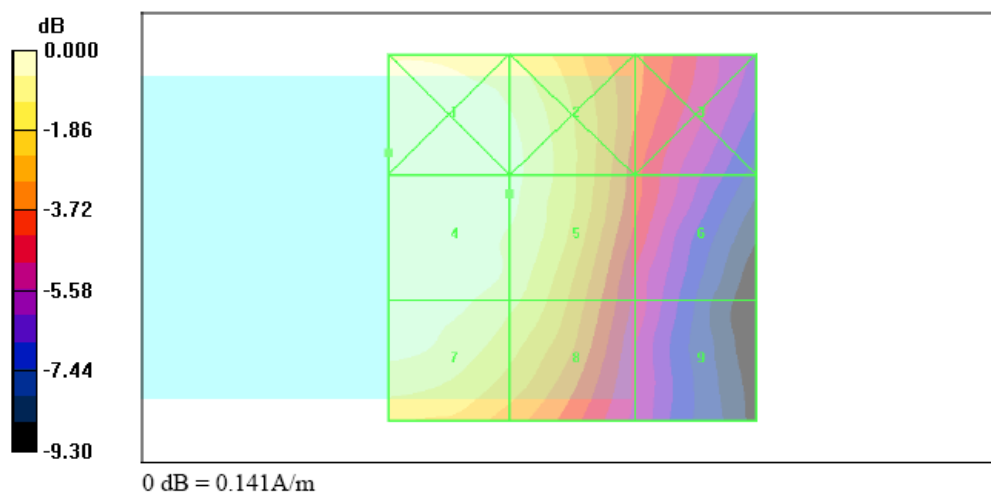
Grid 1	Grid 2	Grid 3
0.141 M4	0.134 M4	0.094 M4
Grid 4	Grid 5	Grid 6
0.141 M4	0.135 M4	0.088 M4
Grid 7	Grid 8	Grid 9
0.136 M4	0.125 M4	0.079 M4

Cursor:

Total = 0.141 A/m

H Category: M4

Location: 25, -11.5, 365.6 mm





Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/3/31

HAC_H_CDMA1900 Ch600_RC3 SO55_Loop_Full_Backlight on**DUT: 820515**

Communication System: CDMA ; 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 : 22.6 °C

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2008/1/28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2007/9/17
- Phantom: HAC Test Arch 4.6; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.167 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.132 A/m; Power Drift = -0.045 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.170 M4	0.154 M4	0.100 M4
Grid 4	Grid 5	Grid 6
0.167 M4	0.154 M4	0.098 M4
Grid 7	Grid 8	Grid 9
0.162 M4	0.143 M4	0.088 M4

Cursor:

Total = 0.170 A/m

H Category: M4

Location: 25, -14.5, 365.6 mm

