

### HAC RF E-Field GSM 1900 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.00 V/m; Power Drift = -0.01 dB

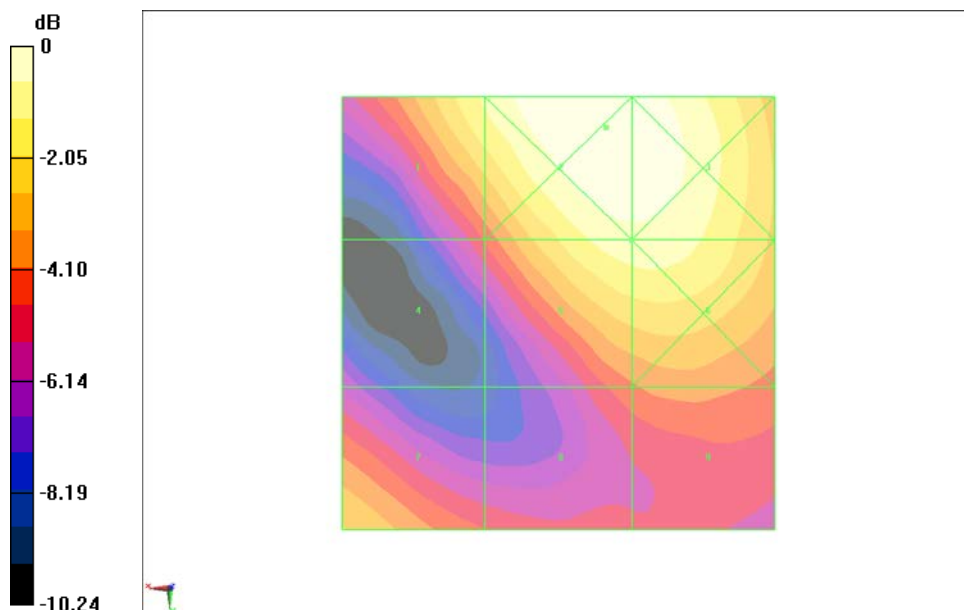
PMR not calibrated. PMF = 2.883 is applied.

E-field emissions = 79.73 V/m

Near-field category: M3 (AWF -5 dB)

PMF scaled E-field

Grid 1 M3 77.11 V/m	Grid 2 M2 88.84 V/m	Grid 3 M2 87.88 V/m
Grid 4 M3 52.16 V/m	Grid 5 M3 79.73 V/m	Grid 6 M3 79.87 V/m
Grid 7 M3 65.37 V/m	Grid 8 M3 54.80 V/m	Grid 9 M3 57.43 V/m



0 dB = 88.84 V/m = 38.97 dBV/m

Fig B.4 HAC RF E-Field GSM 1900 High

### HAC RF E-Field GSM 1900 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.68 V/m; Power Drift = 0.01 dB

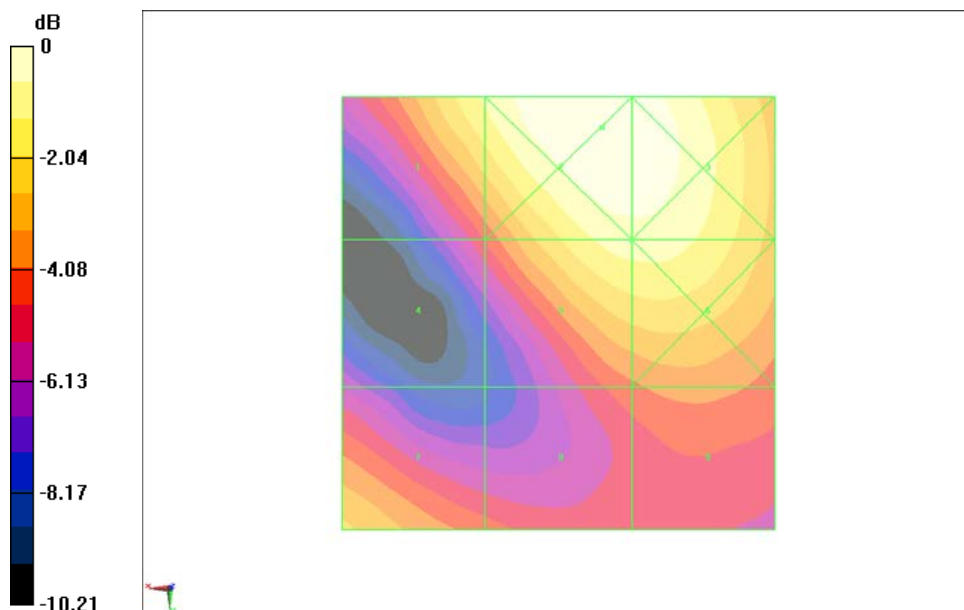
PMR not calibrated. PMF = 2.883 is applied.

E-field emissions = 78.42 V/m

Near-field category: M3 (AWF -5 dB)

PMF scaled E-field

Grid 1 M3 76.40 V/m	Grid 2 M2 88.02 V/m	Grid 3 M2 86.73 V/m
Grid 4 M3 51.38 V/m	Grid 5 M3 78.42 V/m	Grid 6 M3 78.57 V/m
Grid 7 M3 65.64 V/m	Grid 8 M3 54.15 V/m	Grid 9 M3 56.87 V/m



0 dB = 88.02 V/m = 38.89 dBV/m

Fig B.5 HAC RF E-Field GSM 1900 Middle

**HAC RF E-Field GSM 1900 Low**

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

**E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.81 V/m; Power Drift = -0.08 dB

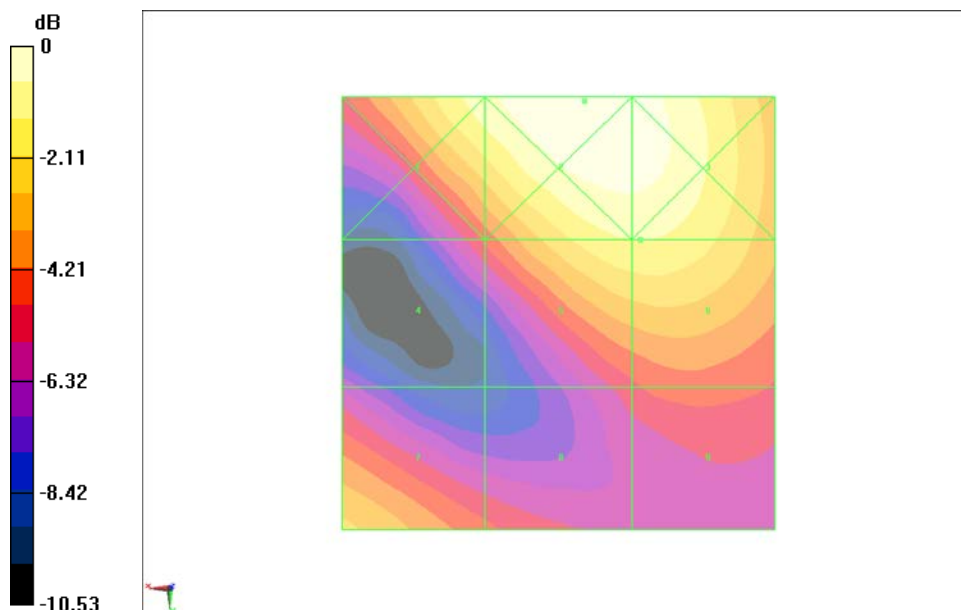
PMR not calibrated. PMF = 2.883 is applied.

E-field emissions = 77.81 V/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

<b>Grid 1 M3</b> <b>82.35 V/m</b>	<b>Grid 2 M2</b> <b>91.46 V/m</b>	<b>Grid 3 M2</b> <b>89.20 V/m</b>
<b>Grid 4 M3</b> <b>53.31 V/m</b>	<b>Grid 5 M3</b> <b>77.70 V/m</b>	<b>Grid 6 M3</b> <b>77.81 V/m</b>
<b>Grid 7 M3</b> <b>67.71 V/m</b>	<b>Grid 8 M3</b> <b>53.38 V/m</b>	<b>Grid 9 M3</b> <b>54.21 V/m</b>



0 dB = 91.46 V/m = 39.22 dBV/m

**Fig B.6 HAC RF E-Field GSM 1900 Low**

### HAC RF E-Field WCDMA 850 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 82.04 V/m; Power Drift = 0.01 dB

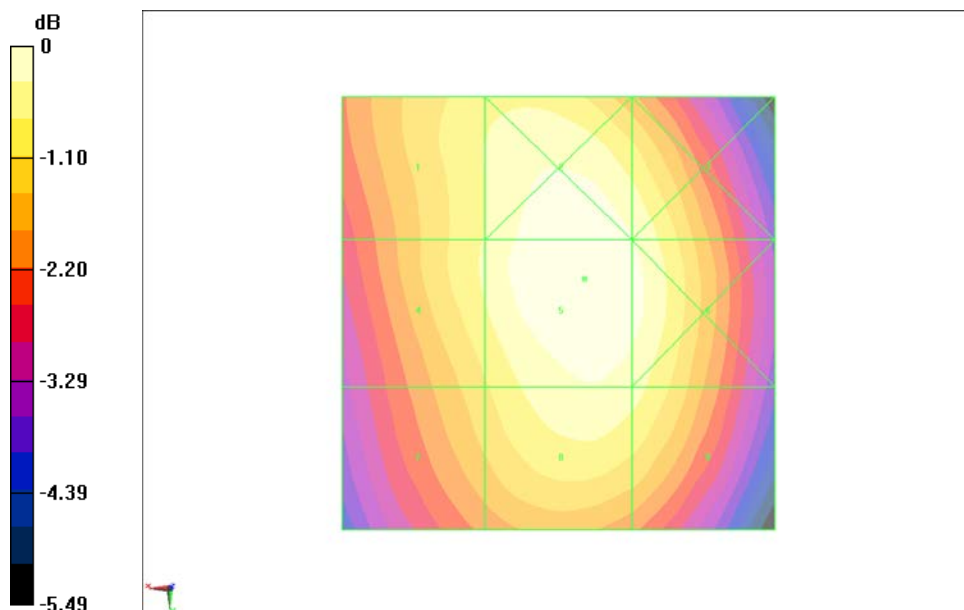
PMR not calibrated. PMF = 1.002 is applied.

E-field emissions = 65.42 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4 60.37 V/m	Grid 2 M4 64.69 V/m	Grid 3 M4 62.85 V/m
Grid 4 M4 60.67 V/m	Grid 5 M4 65.42 V/m	Grid 6 M4 63.78 V/m
Grid 7 M4 57.37 V/m	Grid 8 M4 62.59 V/m	Grid 9 M4 61.27 V/m



0 dB = 65.42 V/m = 36.31 dBV/m

Fig B.7 HAC RF E-Field WCDMA 850 High

### HAC RF E-Field WCDMA 850 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 88.14 V/m; Power Drift = 0.00 dB

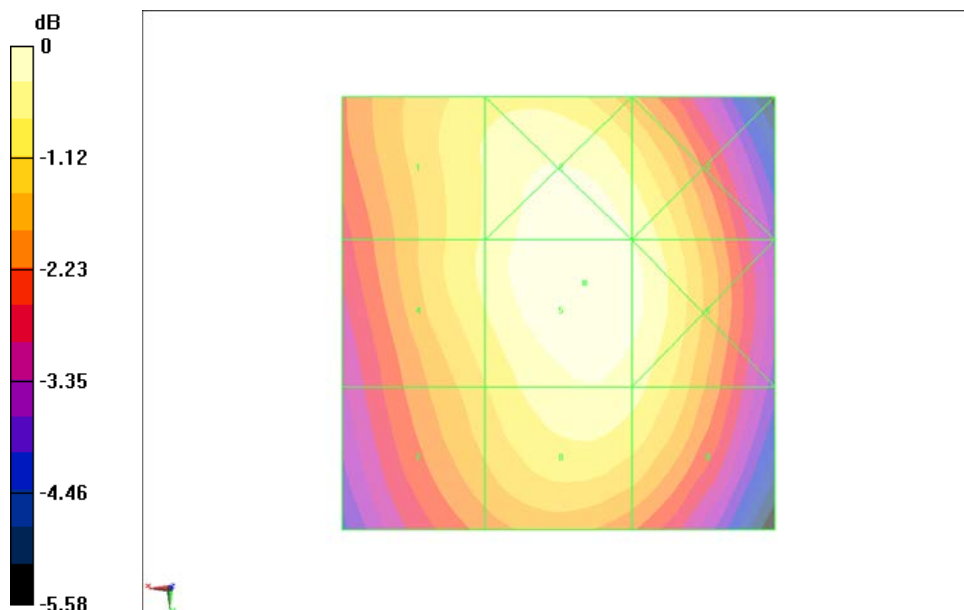
PMR not calibrated. PMF = 1.002 is applied.

E-field emissions = 70.33 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4 65.05 V/m	Grid 2 M4 69.65 V/m	Grid 3 M4 67.44 V/m
Grid 4 M4 65.42 V/m	Grid 5 M4 70.33 V/m	Grid 6 M4 68.44 V/m
Grid 7 M4 61.67 V/m	Grid 8 M4 67.31 V/m	Grid 9 M4 65.77 V/m



0 dB = 70.33 V/m = 36.94 dBV/m

Fig B.8 HAC RF E-Field WCDMA 850 Middle

### HAC RF E-Field WCDMA 850 Low

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 86.53 V/m; Power Drift = -0.00 dB

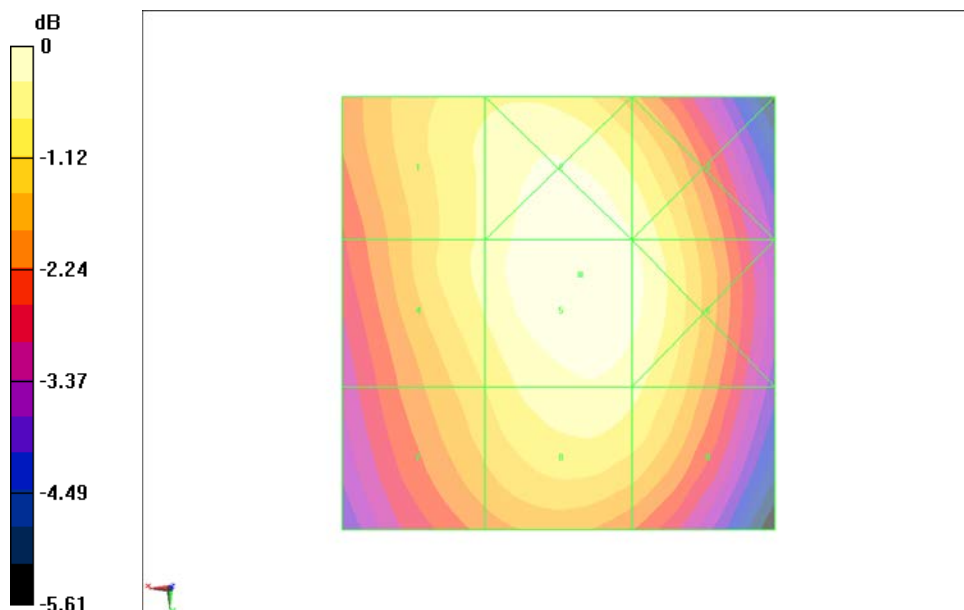
PMR not calibrated. PMF = 1.002 is applied.

E-field emissions = 68.85 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4 <b>64.00 V/m</b>	Grid 2 M4 <b>68.27 V/m</b>	Grid 3 M4 <b>66.12 V/m</b>
Grid 4 M4 <b>64.36 V/m</b>	Grid 5 M4 <b>68.85 V/m</b>	Grid 6 M4 <b>67.00 V/m</b>
Grid 7 M4 <b>60.59 V/m</b>	Grid 8 M4 <b>65.66 V/m</b>	Grid 9 M4 <b>64.13 V/m</b>



0 dB = 68.85 V/m = 36.76 dBV/m

Fig B.9 HAC RF E-Field WCDMA 850 Low

### HAC RF E-Field WCDMA 1900 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.81 V/m; Power Drift = 0.00 dB

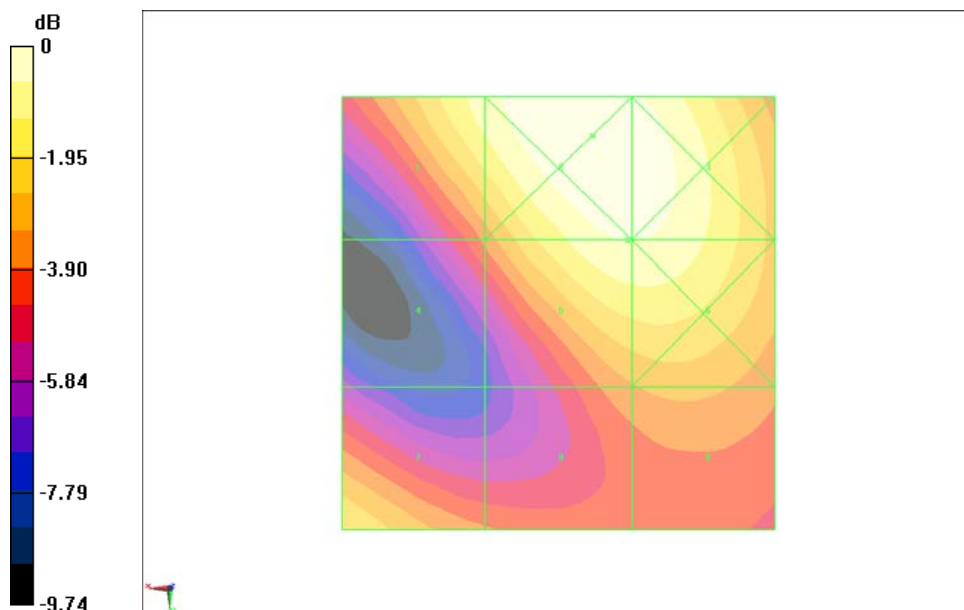
PMR not calibrated. PMF = 1.003 is applied.

E-field emissions = 34.15 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4 33.07 V/m	Grid 2 M4 36.77 V/m	Grid 3 M4 36.17 V/m
Grid 4 M4 24.07 V/m	Grid 5 M4 34.15 V/m	Grid 6 M4 34.15 V/m
Grid 7 M4 29.63 V/m	Grid 8 M4 25.11 V/m	Grid 9 M4 25.97 V/m



0 dB = 36.77 V/m = 31.31 dBV/m

Fig B.10 HAC RF E-Field WCDMA 1900 High

### HAC RF E-Field WCDMA 1900 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

### E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.41 V/m; Power Drift = -0.02 dB

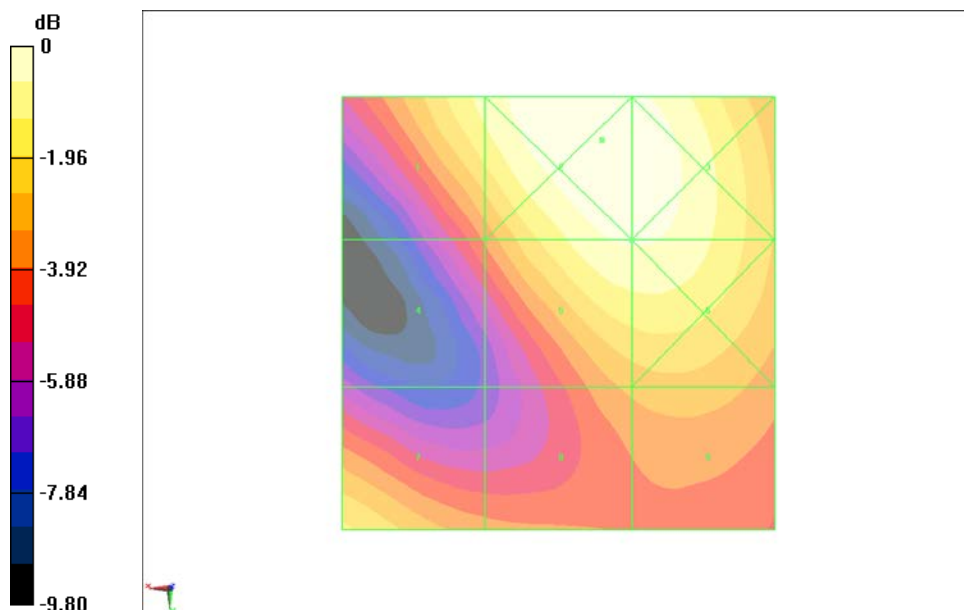
PMR not calibrated. PMF = 1.003 is applied.

E-field emissions = 33.41 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4 31.68 V/m	Grid 2 M4 35.74 V/m	Grid 3 M4 35.31 V/m
Grid 4 M4 23.15 V/m	Grid 5 M4 33.41 V/m	Grid 6 M4 33.41 V/m
Grid 7 M4 29.03 V/m	Grid 8 M4 25.09 V/m	Grid 9 M4 25.83 V/m



0 dB = 35.74 V/m = 31.06 dBV/m

Fig B.11 HAC RF E-Field WCDMA 1900 Middle



**HAC RF E-Field WCDMA 1900 Low**

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Probe: ER3DV6 - SN2272; ConvF(1, 1, 1)

**E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.53 V/m; Power Drift = -0.04 dB

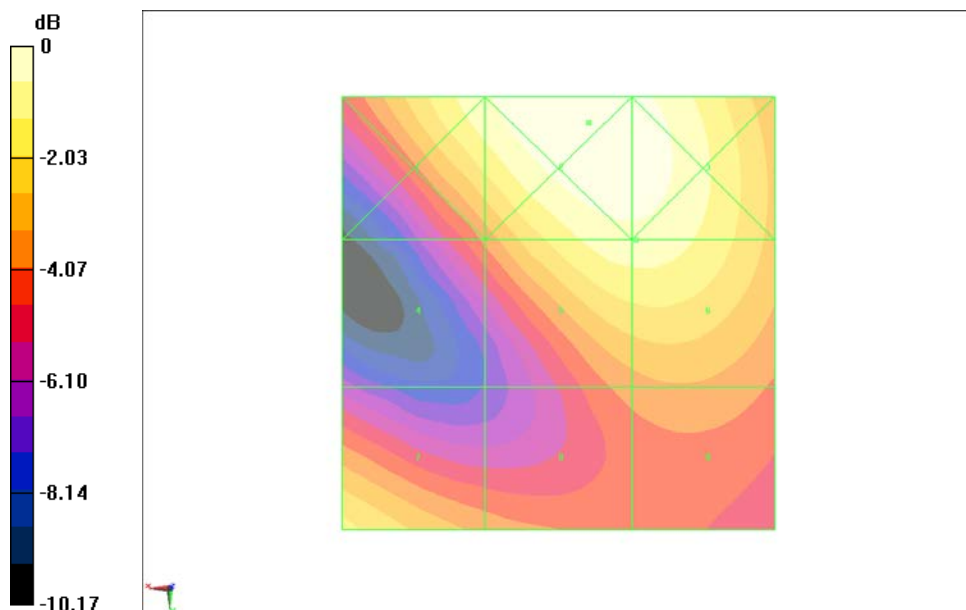
PMR not calibrated. PMF = 1.003 is applied.

E-field emissions = 35.99 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

<b>Grid 1 M4</b> <b>36.59 V/m</b>	<b>Grid 2 M4</b> <b>40.04 V/m</b>	<b>Grid 3 M4</b> <b>39.16 V/m</b>
<b>Grid 4 M4</b> <b>25.65 V/m</b>	<b>Grid 5 M4</b> <b>35.99 V/m</b>	<b>Grid 6 M4</b> <b>35.99 V/m</b>
<b>Grid 7 M4</b> <b>32.62 V/m</b>	<b>Grid 8 M4</b> <b>26.55 V/m</b>	<b>Grid 9 M4</b> <b>26.96 V/m</b>



0 dB = 40.04 V/m = 32.05 dBV/m

**Fig B.12 HAC RF E-Field WCDMA 1900 Low**

### HAC RF H-Field GSM 850 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08100 A/m; Power Drift = 0.07 dB

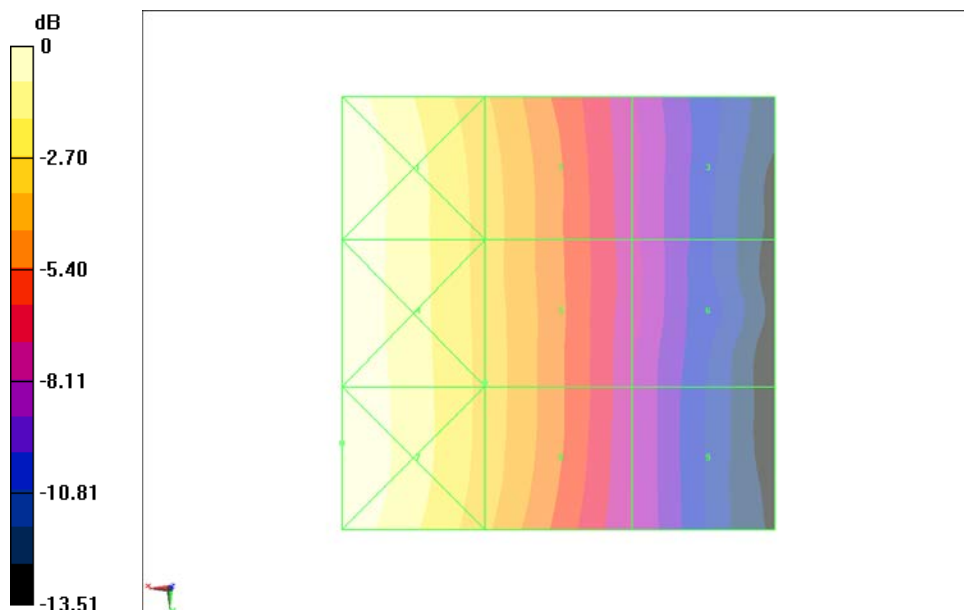
PMR not calibrated. PMF = 2.876 is applied.

H-field emissions = 0.2783 A/m

Near-field category: M4 (AWF -5 dB)

PMF scaled H-field

Grid 1 M4 0.390 A/m	Grid 2 M4 0.276 A/m	Grid 3 M4 0.160 A/m
Grid 4 M4 0.389 A/m	Grid 5 M4 0.278 A/m	Grid 6 M4 0.162 A/m
Grid 7 M4 0.393 A/m	Grid 8 M4 0.278 A/m	Grid 9 M4 0.157 A/m



0 dB = 0.3931 A/m = -8.11 dBA/m

Fig B.13 HAC RF H-Field GSM 850 High

### HAC RF H-Field GSM 850 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08300 A/m; Power Drift = 0.03 dB

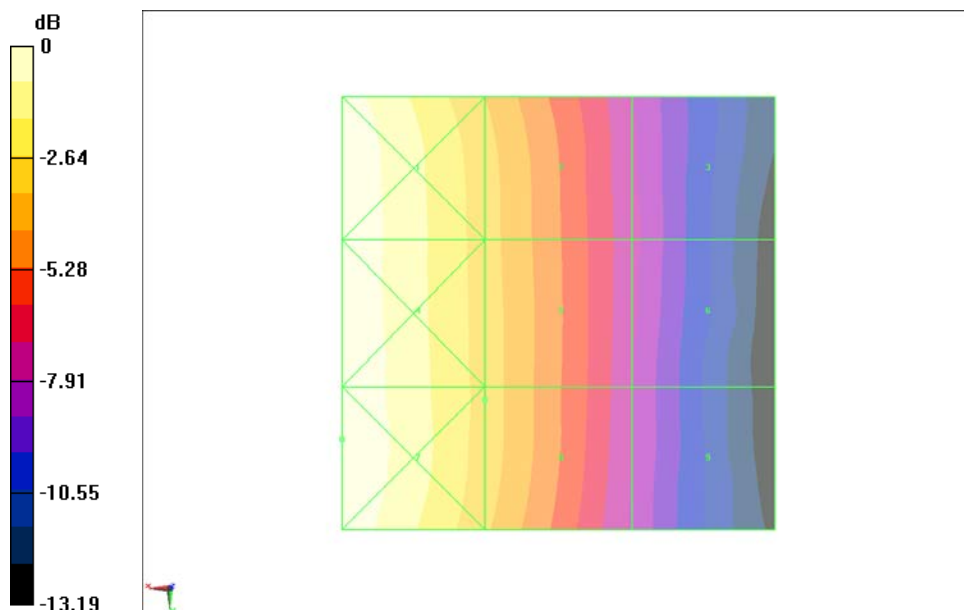
PMR not calibrated. PMF = 2.876 is applied.

H-field emissions = 0.2870 A/m

Near-field category: M4 (AWF -5 dB)

PMF scaled H-field

Grid 1 M4 0.397 A/m	Grid 2 M4 0.284 A/m	Grid 3 M4 0.169 A/m
Grid 4 M4 0.401 A/m	Grid 5 M4 0.287 A/m	Grid 6 M4 0.169 A/m
Grid 7 M4 0.405 A/m	Grid 8 M4 0.287 A/m	Grid 9 M4 0.164 A/m



0 dB = 0.4051 A/m = -7.85 dBA/m

Fig B.14 HAC RF H-Field GSM 850 Middle

### HAC RF H-Field GSM 850 Low

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.07800 A/m; Power Drift = 0.14 dB

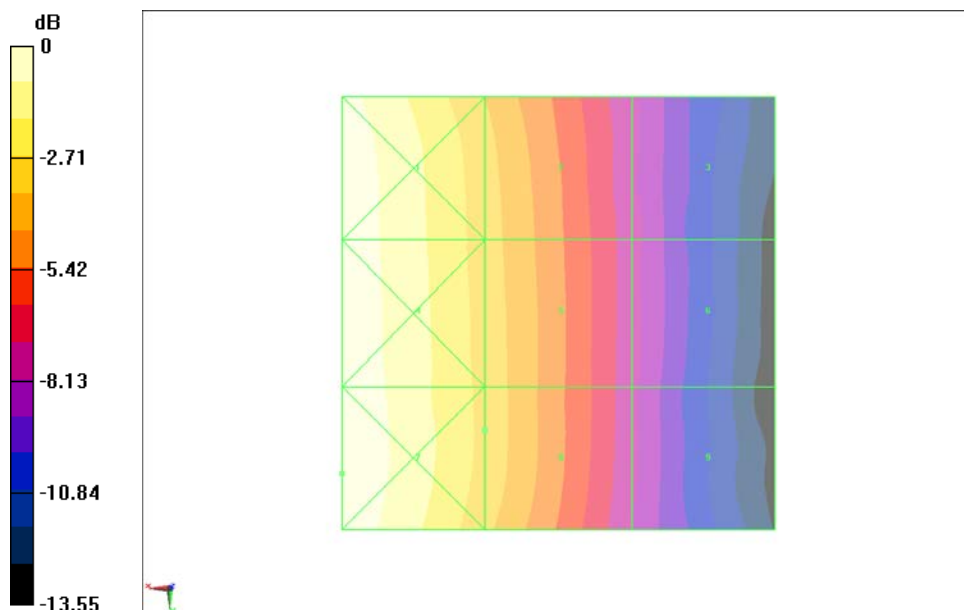
PMR not calibrated. PMF = 2.876 is applied.

H-field emissions = 0.2738 A/m

Near-field category: M4 (AWF -5 dB)

PMF scaled H-field

<b>Grid 1 M4</b> <b>0.377 A/m</b>	<b>Grid 2 M4</b> <b>0.268 A/m</b>	<b>Grid 3 M4</b> <b>0.159 A/m</b>
<b>Grid 4 M4</b> <b>0.382 A/m</b>	<b>Grid 5 M4</b> <b>0.273 A/m</b>	<b>Grid 6 M4</b> <b>0.158 A/m</b>
<b>Grid 7 M4</b> <b>0.386 A/m</b>	<b>Grid 8 M4</b> <b>0.274 A/m</b>	<b>Grid 9 M4</b> <b>0.156 A/m</b>



0 dB = 0.3856 A/m = -8.28 dBA/m

Fig B.15 HAC RF H-Field GSM 850 Low

### HAC RF H-Field GSM 1900 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08100 A/m; Power Drift = 0.05 dB

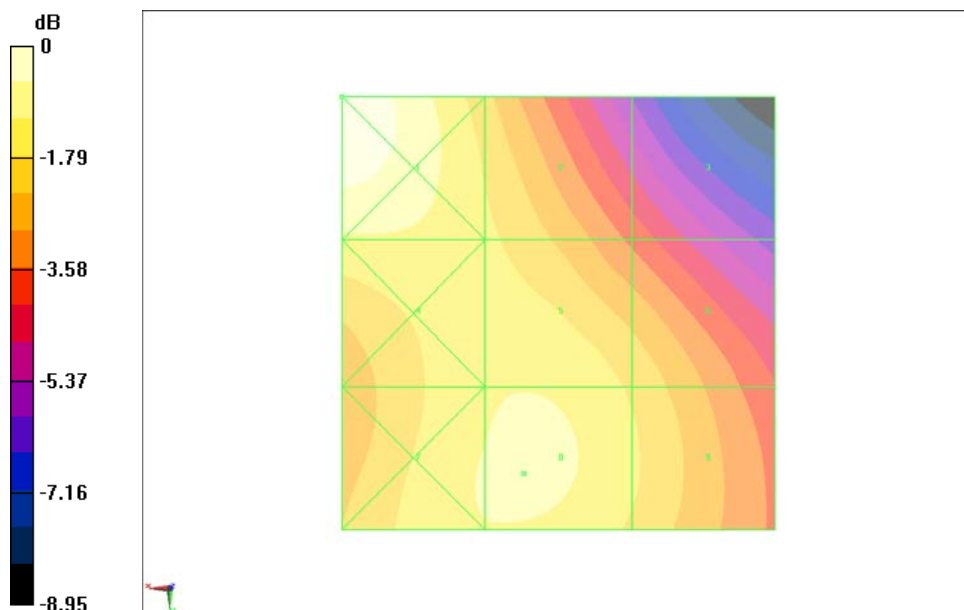
PMR not calibrated. PMF = 2.867 is applied.

H-field emissions = 0.2292 A/m

Near-field category: M3 (AWF -5 dB)

PMF scaled H-field

Grid 1 M2 0.258 A/m	Grid 2 M3 0.213 A/m	Grid 3 M3 0.169 A/m
Grid 4 M3 0.224 A/m	Grid 5 M3 0.225 A/m	Grid 6 M3 0.208 A/m
Grid 7 M3 0.226 A/m	Grid 8 M3 0.229 A/m	Grid 9 M3 0.213 A/m



0 dB = 0.2583 A/m = -11.76 dBA/m

Fig B.16 HAC RF H-Field GSM 1900 High

**HAC RF H-Field GSM 1900 Middle**

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

**H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08100 A/m; Power Drift = 0.08 dB

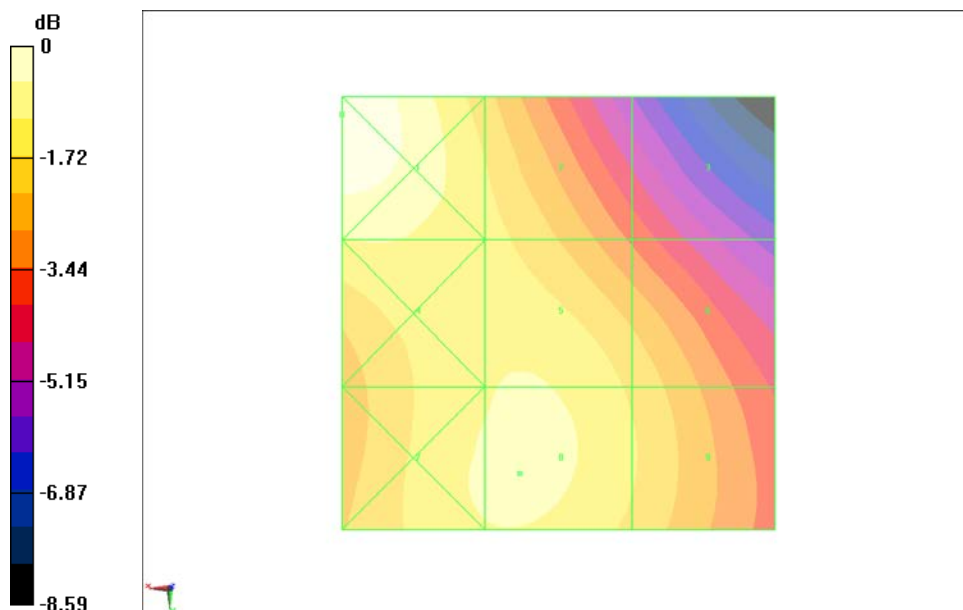
PMR not calibrated. PMF = 2.867 is applied.

H-field emissions = 0.2265 A/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

<b>Grid 1 M2</b> <b>0.254 A/m</b>	<b>Grid 2 M3</b> <b>0.214 A/m</b>	<b>Grid 3 M3</b> <b>0.169 A/m</b>
<b>Grid 4 M3</b> <b>0.223 A/m</b>	<b>Grid 5 M3</b> <b>0.224 A/m</b>	<b>Grid 6 M3</b> <b>0.206 A/m</b>
<b>Grid 7 M3</b> <b>0.225 A/m</b>	<b>Grid 8 M3</b> <b>0.227 A/m</b>	<b>Grid 9 M3</b> <b>0.210 A/m</b>



0 dB = 0.2539 A/m = -11.91 dBA/m

**Fig B.17 HAC RF H-Field GSM 1900 Middle**

**HAC RF H-Field GSM 1900 Low**

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Probe: H3DV6 - SN6103;

**H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08200 A/m; Power Drift = -0.11 dB

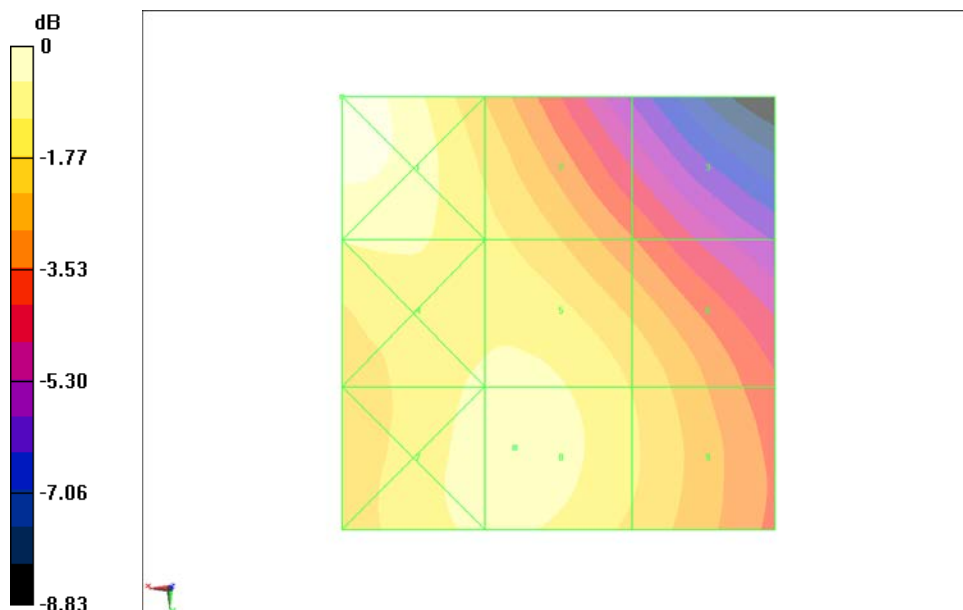
PMR not calibrated. PMF = 2.867 is applied.

H-field emissions = 0.2286 A/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

<b>Grid 1 M2</b> <b>0.254 A/m</b>	<b>Grid 2 M3</b> <b>0.212 A/m</b>	<b>Grid 3 M3</b> <b>0.170 A/m</b>
<b>Grid 4 M3</b> <b>0.224 A/m</b>	<b>Grid 5 M3</b> <b>0.226 A/m</b>	<b>Grid 6 M3</b> <b>0.206 A/m</b>
<b>Grid 7 M3</b> <b>0.227 A/m</b>	<b>Grid 8 M3</b> <b>0.229 A/m</b>	<b>Grid 9 M3</b> <b>0.210 A/m</b>



0 dB = 0.2538 A/m = -11.91 dBA/m

**Fig B.18 HAC RF H-Field GSM 1900 Low**

### HAC RF H-Field WCDMA 850 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.07500 A/m; Power Drift = 0.16 dB

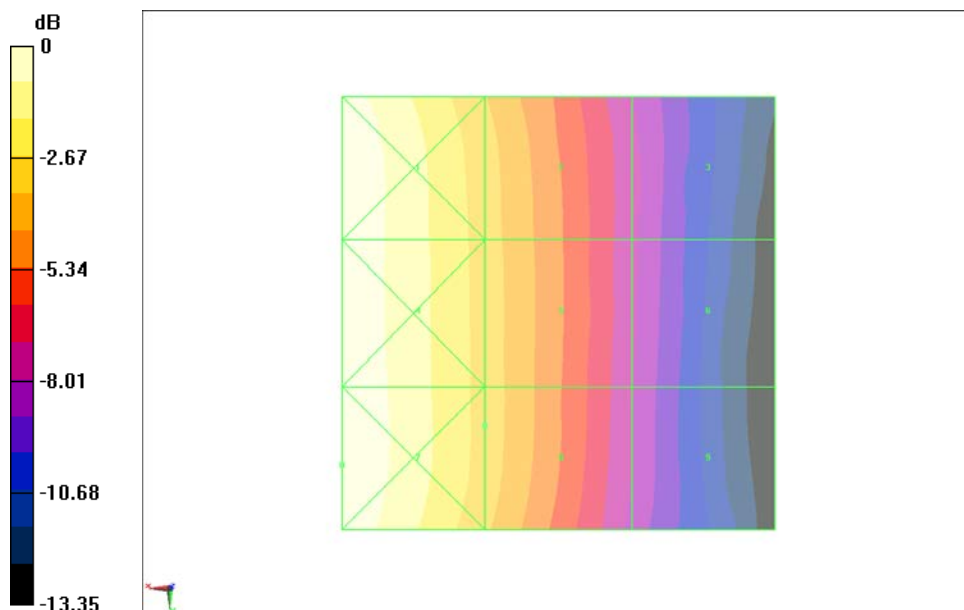
PMR not calibrated. PMF = 1.007 is applied.

H-field emissions = 0.09077 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

Grid 1 M4 0.127 A/m	Grid 2 M4 0.090 A/m	Grid 3 M4 0.053 A/m
Grid 4 M4 0.127 A/m	Grid 5 M4 0.091 A/m	Grid 6 M4 0.052 A/m
Grid 7 M4 0.128 A/m	Grid 8 M4 0.091 A/m	Grid 9 M4 0.052 A/m



0 dB = 0.1285 A/m = -17.82 dBA/m

Fig B.19 HAC RF H-Field WCDMA 850 High



### HAC RF H-Field WCDMA 850 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08100 A/m; Power Drift = -0.01 dB

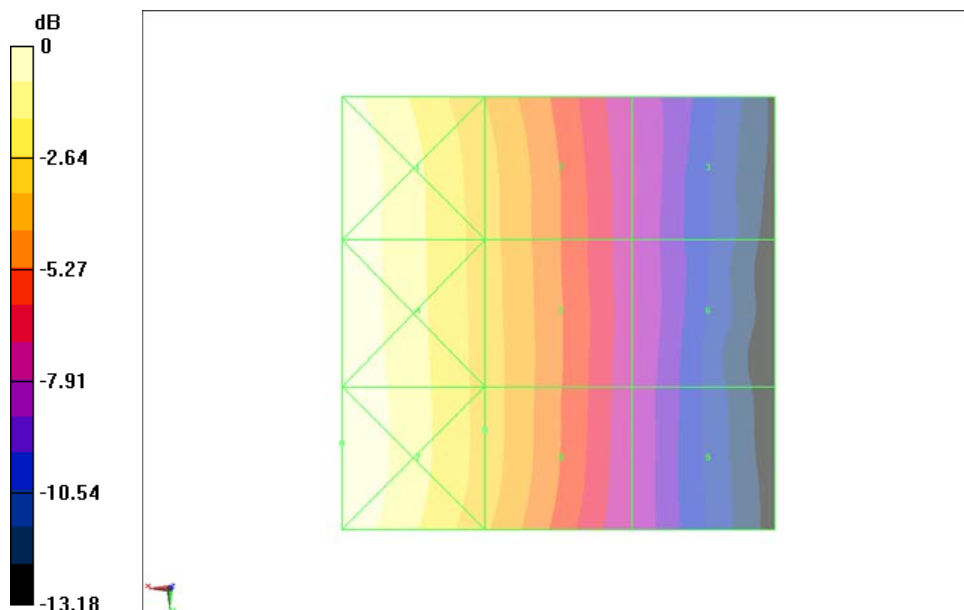
PMR not calibrated. PMF = 1.007 is applied.

H-field emissions = 0.09629 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

<b>Grid 1 M4</b> <b>0.133 A/m</b>	<b>Grid 2 M4</b> <b>0.095 A/m</b>	<b>Grid 3 M4</b> <b>0.056 A/m</b>
<b>Grid 4 M4</b> <b>0.134 A/m</b>	<b>Grid 5 M4</b> <b>0.096 A/m</b>	<b>Grid 6 M4</b> <b>0.056 A/m</b>
<b>Grid 7 M4</b> <b>0.136 A/m</b>	<b>Grid 8 M4</b> <b>0.096 A/m</b>	<b>Grid 9 M4</b> <b>0.055 A/m</b>



0 dB = 0.1359 A/m = -17.34 dBA/m

Fig B.20 HAC RF H-Field WCDMA 850 Middle

### HAC RF H-Field WCDMA 850 Low

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 850; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.07900 A/m; Power Drift = 0.01 dB

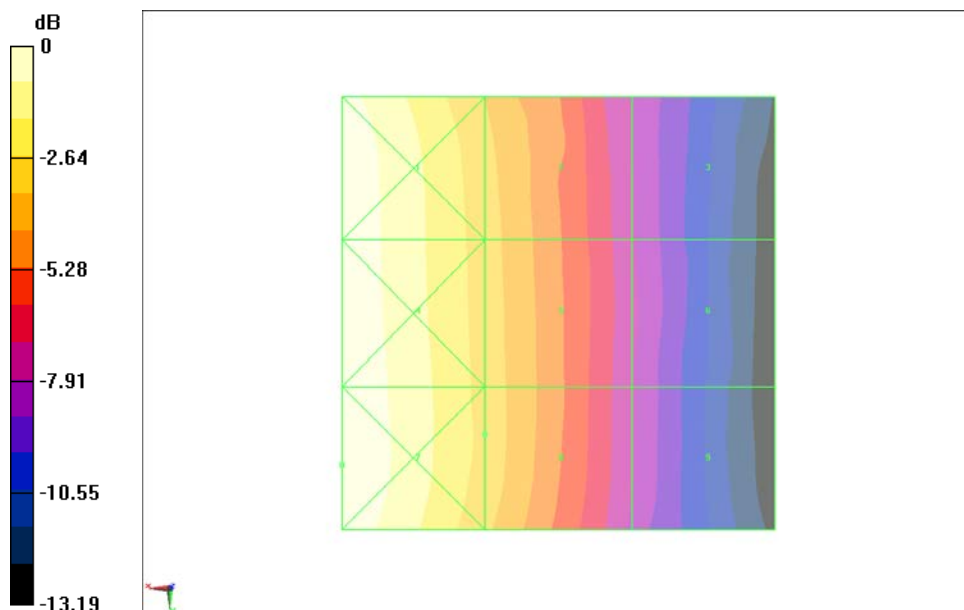
PMR not calibrated. PMF = 1.007 is applied.

H-field emissions = 0.09415 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

Grid 1 M4 0.129 A/m	Grid 2 M4 0.092 A/m	Grid 3 M4 0.054 A/m
Grid 4 M4 0.130 A/m	Grid 5 M4 0.094 A/m	Grid 6 M4 0.055 A/m
Grid 7 M4 0.132 A/m	Grid 8 M4 0.094 A/m	Grid 9 M4 0.054 A/m



0 dB = 0.1319 A/m = -17.60 dBA/m

Fig B.21 HAC RF H-Field WCDMA 850 Low

### HAC RF H-Field WCDMA 1900 High

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09400 A/m; Power Drift = -0.01 dB

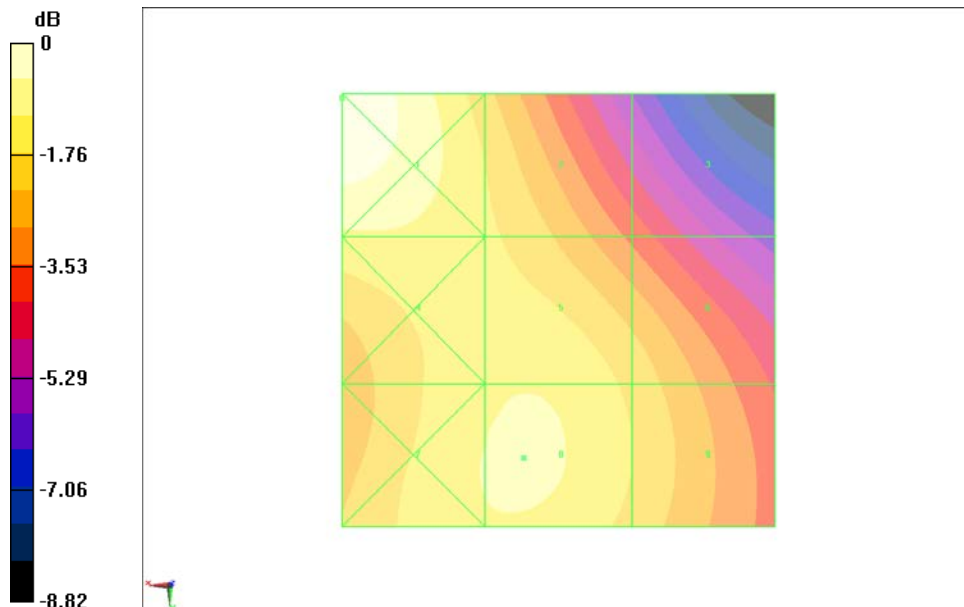
PMR not calibrated. PMF = 1.004 is applied.

H-field emissions = 0.09175 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

Grid 1 M4 0.104 A/m	Grid 2 M4 0.086 A/m	Grid 3 M4 0.068 A/m
Grid 4 M4 0.090 A/m	Grid 5 M4 0.090 A/m	Grid 6 M4 0.083 A/m
Grid 7 M4 0.091 A/m	Grid 8 M4 0.092 A/m	Grid 9 M4 0.085 A/m



0 dB = 0.1036 A/m = -19.69 dBA/m

Fig B.22 HAC RF H-Field WCDMA 1900 High

### HAC RF H-Field WCDMA 1900 Middle

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09300 A/m; Power Drift = 0.02 dB

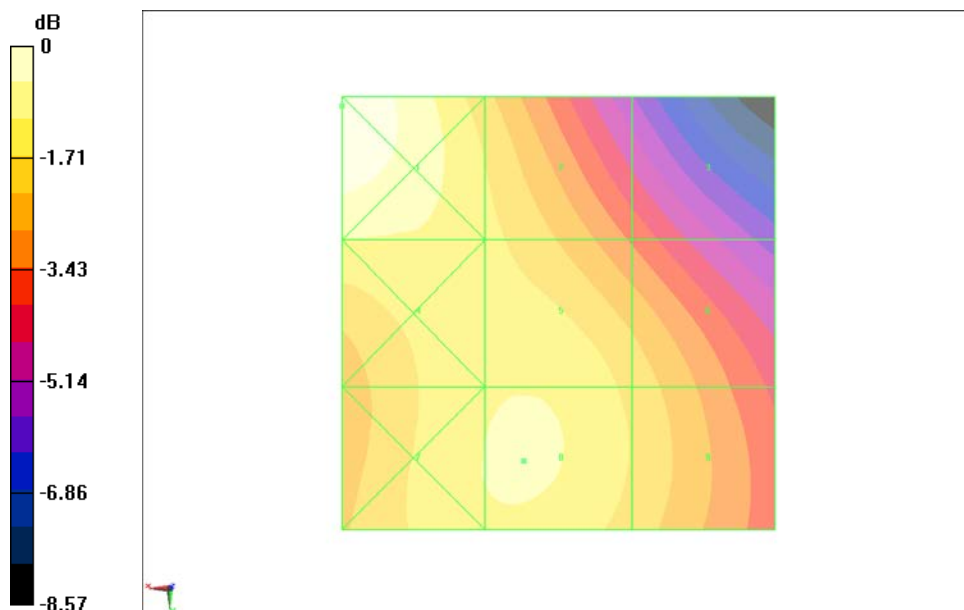
PMR not calibrated. PMF = 1.004 is applied.

H-field emissions = 0.09053 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

Grid 1 M4 0.102 A/m	Grid 2 M4 0.085 A/m	Grid 3 M4 0.068 A/m
Grid 4 M4 0.089 A/m	Grid 5 M4 0.089 A/m	Grid 6 M4 0.082 A/m
Grid 7 M4 0.090 A/m	Grid 8 M4 0.091 A/m	Grid 9 M4 0.084 A/m



0 dB = 0.1021 A/m = -19.82 dBA/m

Fig B.23 HAC RF H-Field WCDMA 1900 Middle

### HAC RF H-Field WCDMA 1900 Low

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: WCDMA 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Probe: H3DV6 - SN6103;

### H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09800 A/m; Power Drift = 0.08 dB

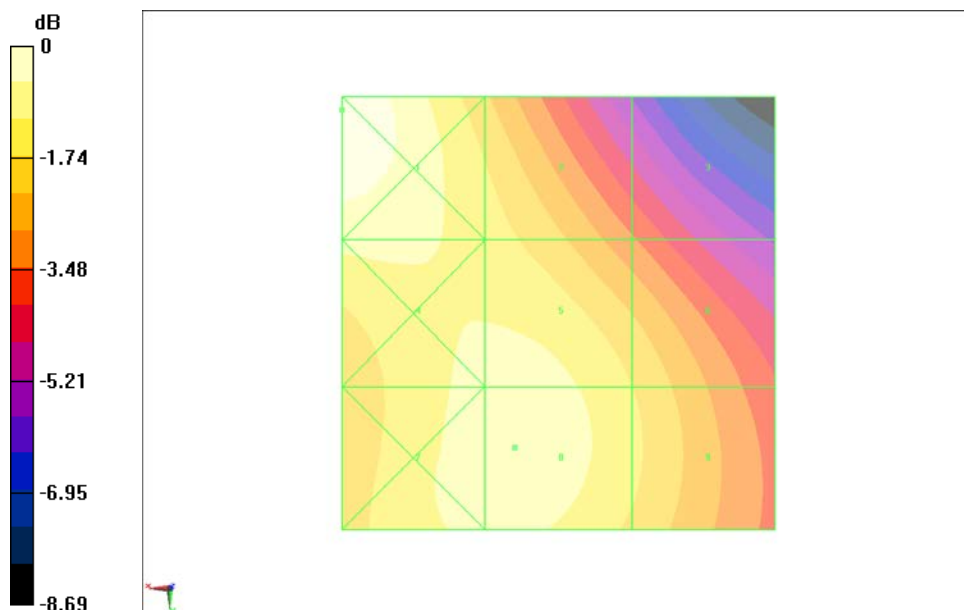
PMR not calibrated. PMF = 1.004 is applied.

H-field emissions = 0.09630 A/m

Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

<b>Grid 1 M4</b> <b>0.106 A/m</b>	<b>Grid 2 M4</b> <b>0.090 A/m</b>	<b>Grid 3 M4</b> <b>0.072 A/m</b>
<b>Grid 4 M4</b> <b>0.095 A/m</b>	<b>Grid 5 M4</b> <b>0.095 A/m</b>	<b>Grid 6 M4</b> <b>0.087 A/m</b>
<b>Grid 7 M4</b> <b>0.096 A/m</b>	<b>Grid 8 M4</b> <b>0.096 A/m</b>	<b>Grid 9 M4</b> <b>0.088 A/m</b>



0 dB = 0.1058 A/m = -19.51 dBA/m

Fig B.24 HAC RF H-Field WCDMA 1900 Low

**Total M-rating of GSM 850 MHz Band**

Date: 2013-11-26

Electronics: DAE4 Sn777

Medium: Air

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

Ambient Temperature: 22.5°C

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Probe: ER3DV6 - SN2272 Probe: H3DV6 - SN6103; ConvF(1, 1, 1)

**E Scan - ER3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 83.79 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 2.874 is applied.

E-field emissions = 190.4 V/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 175.7 V/m	Grid 2 M3 189.0 V/m	Grid 3 M3 184.3 V/m
Grid 4 M3 176.7 V/m	Grid 5 M3 190.4 V/m	Grid 6 M3 186.3 V/m
Grid 7 M3 167.1 V/m	Grid 8 M3 182.1 V/m	Grid 9 M3 177.4 V/m

**H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device 2/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08300 A/m; Power Drift = 0.03 dB

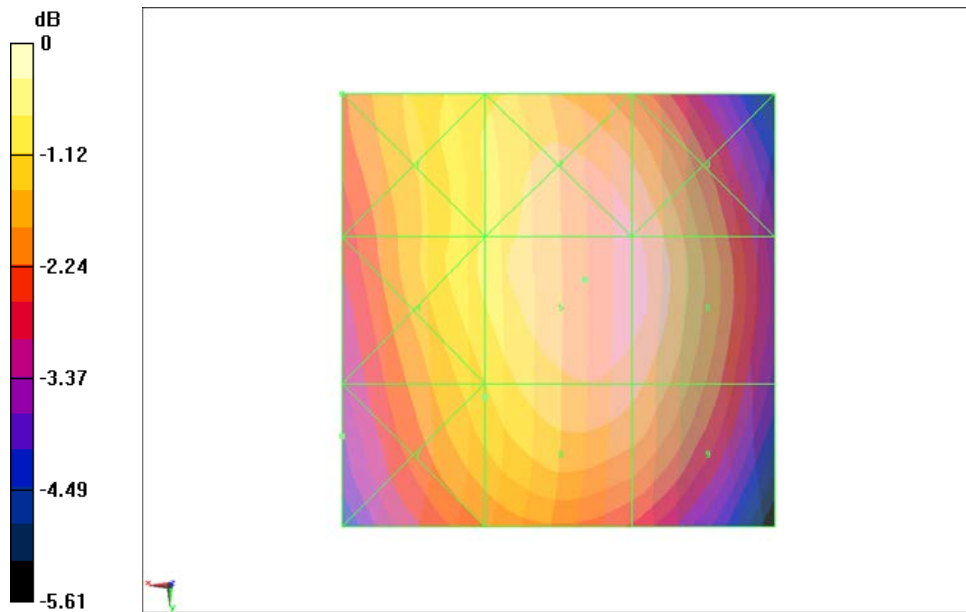
PMR not calibrated. PMF = 2.876 is applied.

H-field emissions = 0.2870 A/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4 0.397 A/m	Grid 2 M4 0.284 A/m	Grid 3 M4 0.169 A/m
Grid 4 M4 0.401 A/m	Grid 5 M4 0.287 A/m	Grid 6 M4 0.169 A/m
Grid 7 M4 0.405 A/m	Grid 8 M4 0.287 A/m	Grid 9 M4 0.164 A/m



0 dB = 190.4 V/m = 45.59 dBV/m

RF RESULTS AND M-RATING	E-Field M Rating	<b>M3 (AWF -5 dB)</b>
	H-Field M Rating	<b>M4 (AWF -5 dB)</b>
	<b>Total M Rating</b>	<b>M3</b>

**Fig B.25 Total M-rating of GSM 850**