

Test Laboratory: UL CCS SAR Lab C

GSM 850 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 824.4 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.232 A/m

Probe Modulation Factor = 2.790

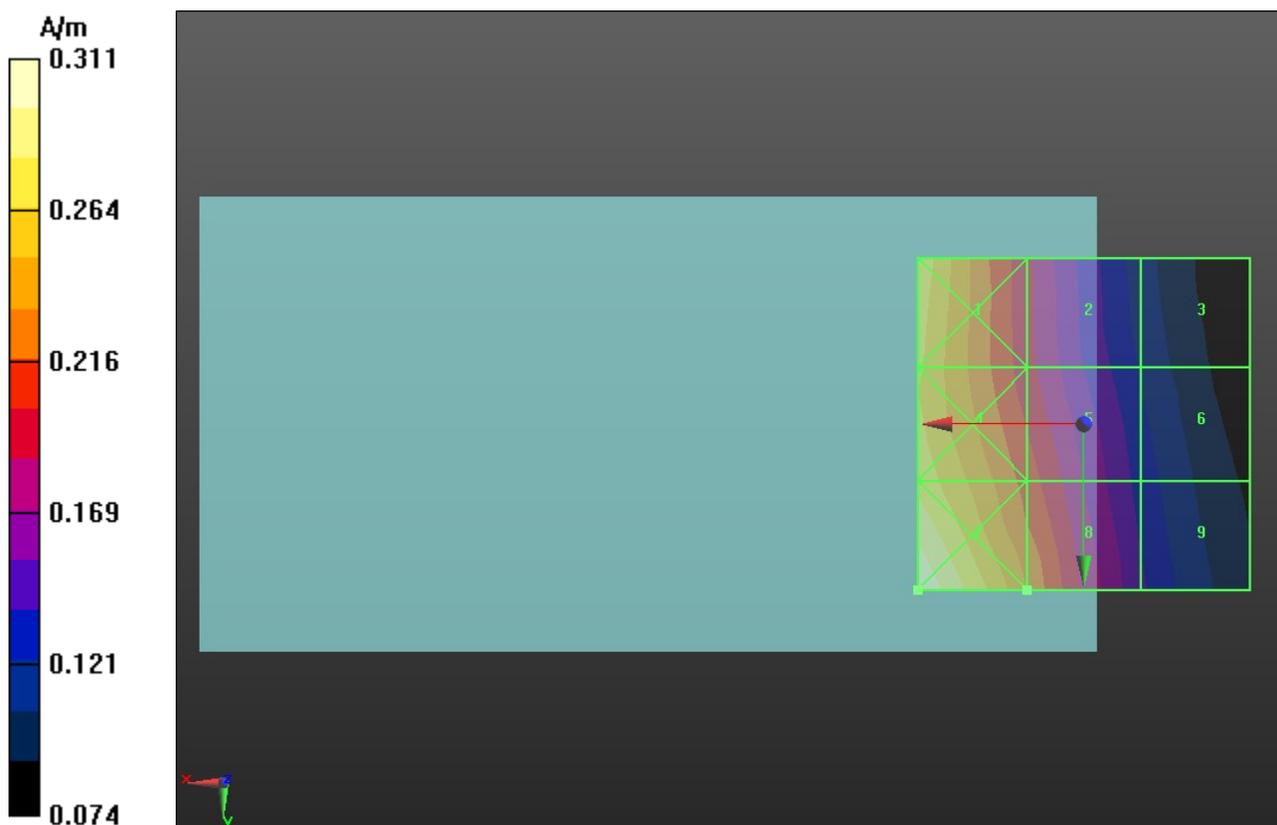
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.061 A/m; Power Drift = 0.005 dB

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

Peak H-field in A/m

Grid 1 0.278 M4	Grid 2 0.192 M4	Grid 3 0.121 M4
Grid 4 0.276 M4	Grid 5 0.210 M4	Grid 6 0.132 M4
Grid 7 0.311 M4	Grid 8 0.232 M4	Grid 9 0.142 M4



Test Laboratory: UL CCS SAR Lab C

GSM 850 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.228 A/m

Probe Modulation Factor = 2.790

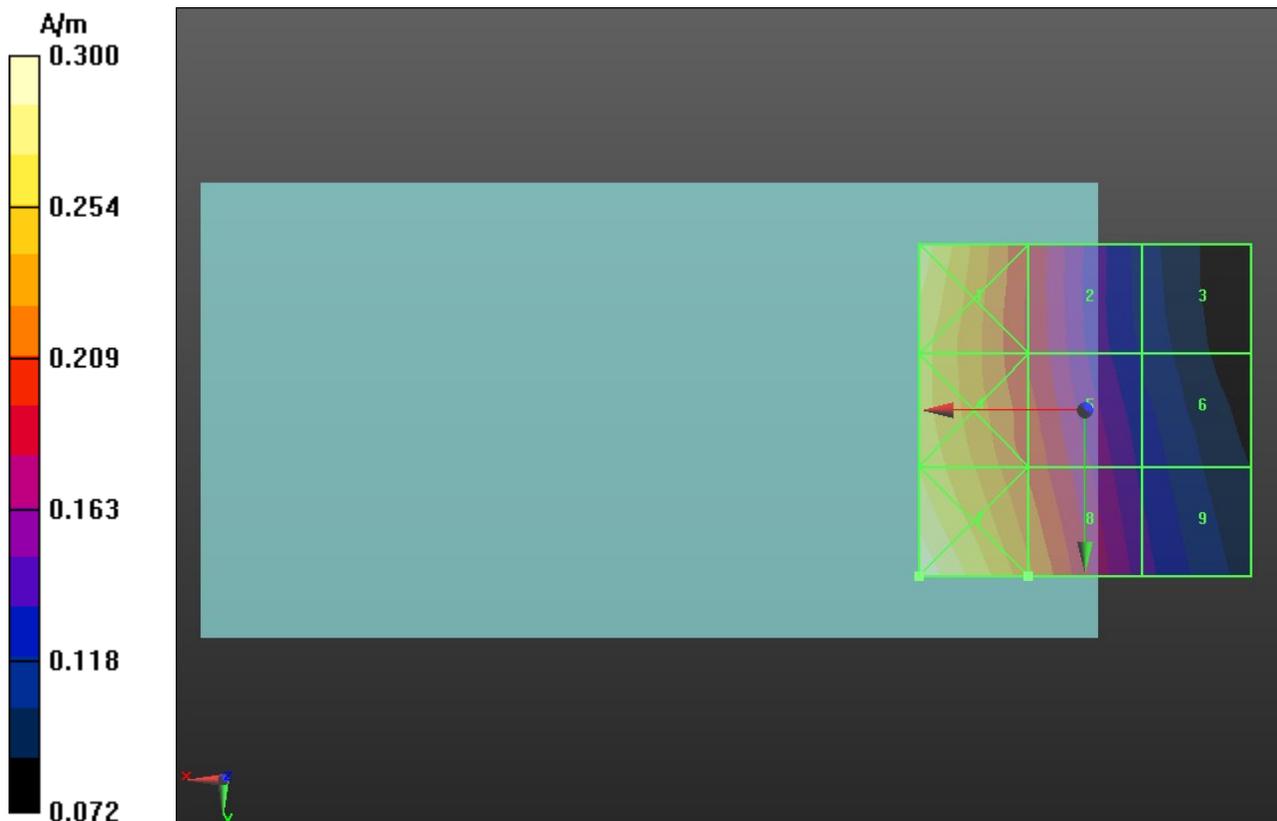
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = -0.09 dB

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

Peak H-field in A/m

Grid 1 0.280 M4	Grid 2 0.193 M4	Grid 3 0.117 M4
Grid 4 0.269 M4	Grid 5 0.206 M4	Grid 6 0.130 M4
Grid 7 0.300 M4	Grid 8 0.228 M4	Grid 9 0.141 M4



Test Laboratory: UL CCS SAR Lab C

GSM 850 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 848.8 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.201 A/m

Probe Modulation Factor = 2.790

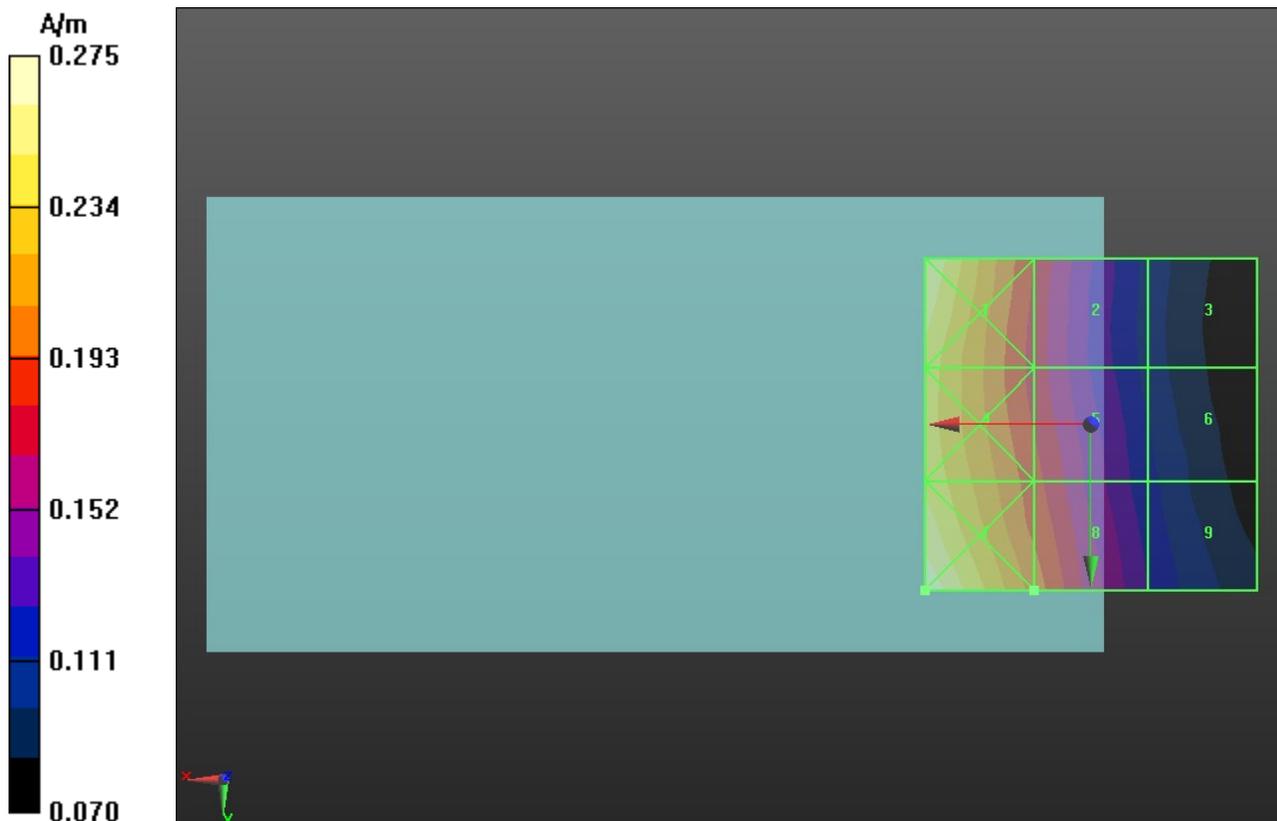
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.053 A/m; Power Drift = 0.14 dB

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

Peak H-field in A/m

Grid 1 0.264 M4	Grid 2 0.179 M4	Grid 3 0.108 M4
Grid 4 0.246 M4	Grid 5 0.184 M4	Grid 6 0.117 M4
Grid 7 0.275 M4	Grid 8 0.201 M4	Grid 9 0.126 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.143 A/m

Probe Modulation Factor = 2.840

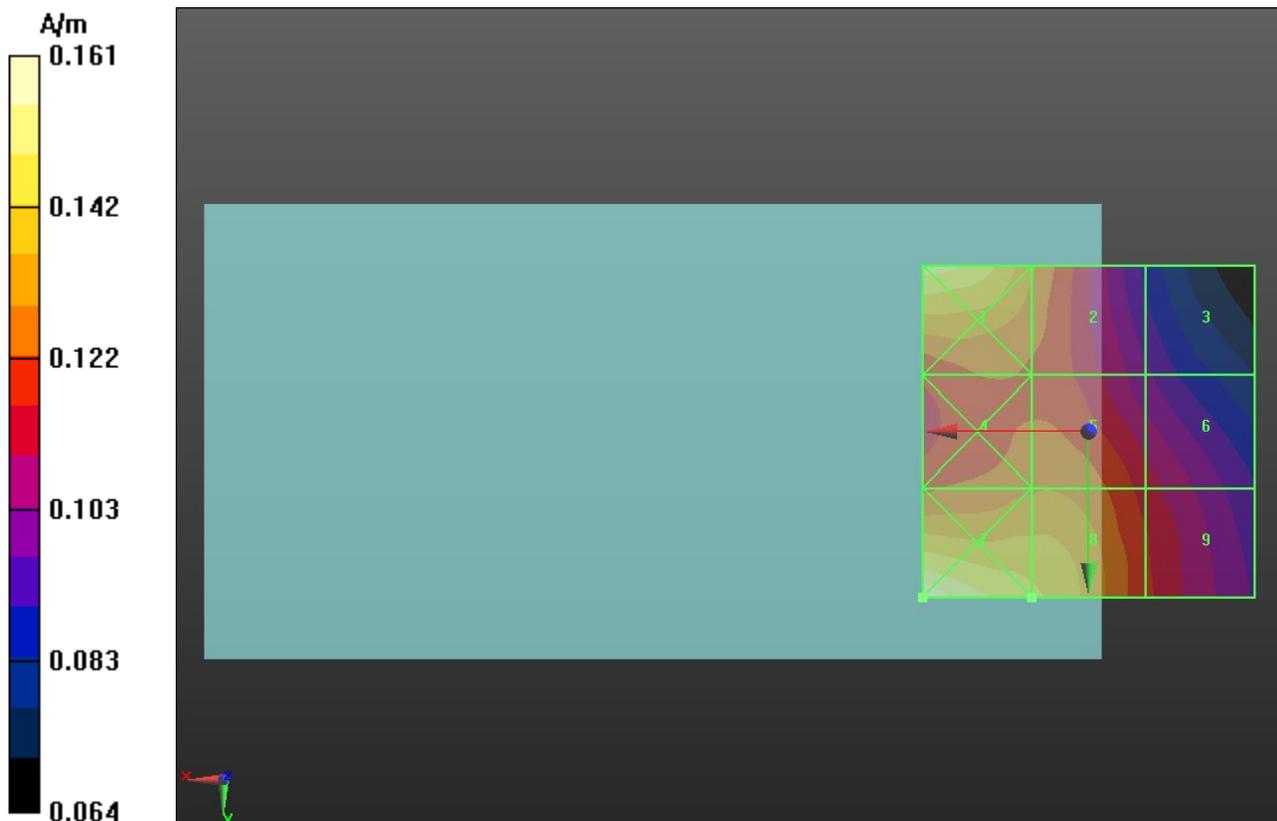
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.047 A/m; Power Drift = -0.0064 dB

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

Peak H-field in A/m

Grid 1 0.151 M3	Grid 2 0.130 M4	Grid 3 0.098 M4
Grid 4 0.128 M4	Grid 5 0.129 M4	Grid 6 0.113 M4
Grid 7 0.161 M3	Grid 8 0.143 M3	Grid 9 0.118 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.142 A/m

Probe Modulation Factor = 2.840

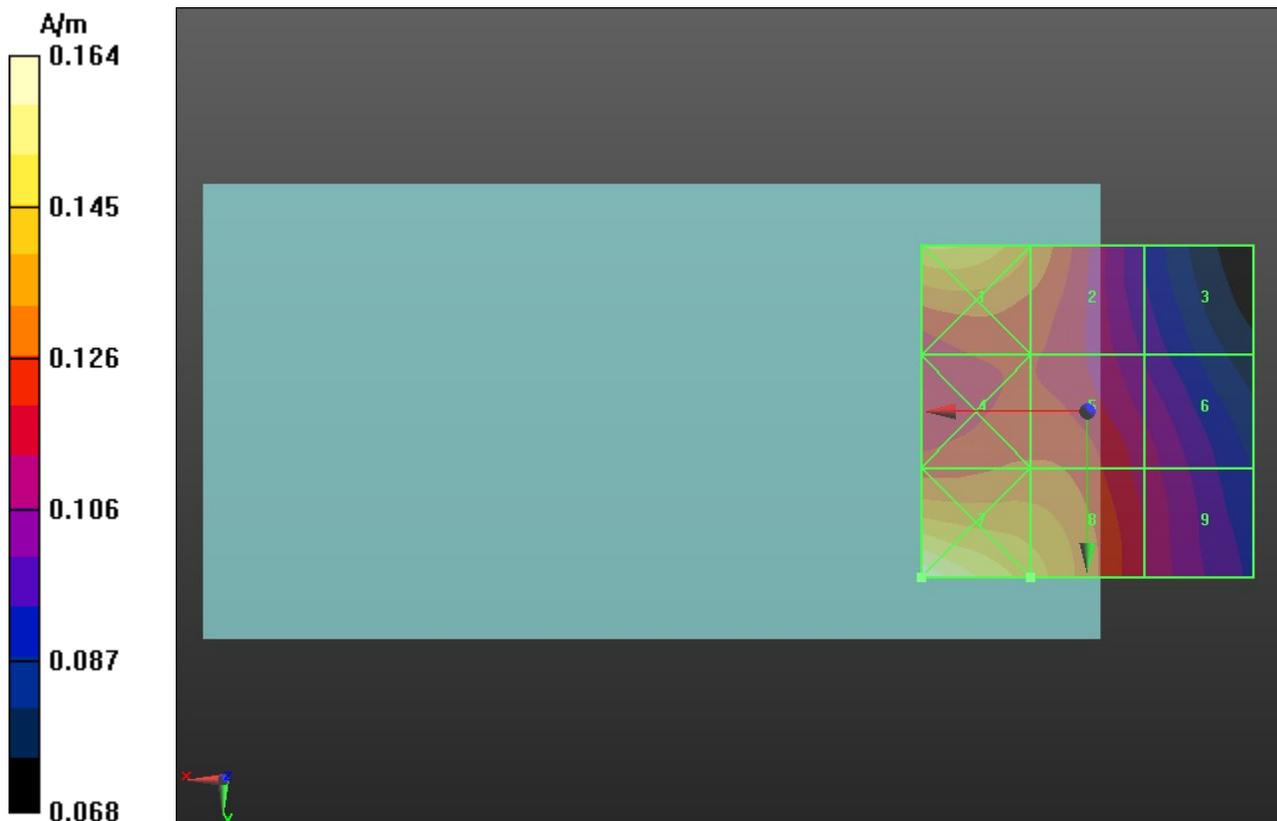
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.045 A/m; Power Drift = 0.14 dB

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

Peak H-field in A/m

Grid 1 0.146 M3	Grid 2 0.133 M4	Grid 3 0.100 M4
Grid 4 0.127 M4	Grid 5 0.127 M4	Grid 6 0.110 M4
Grid 7 0.164 M3	Grid 8 0.142 M3	Grid 9 0.113 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Standard cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.155 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.053 A/m; Power Drift = -0.0073 dB

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

Peak H-field in A/m

Grid 1 0.149 M3	Grid 2 0.135 M4	Grid 3 0.110 M4
Grid 4 0.155 M3	Grid 5 0.155 M3	Grid 6 0.130 M4
Grid 7 0.200 M3	Grid 8 0.173 M3	Grid 9 0.136 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Standard cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.054 A/m

Probe Modulation Factor = 0.950

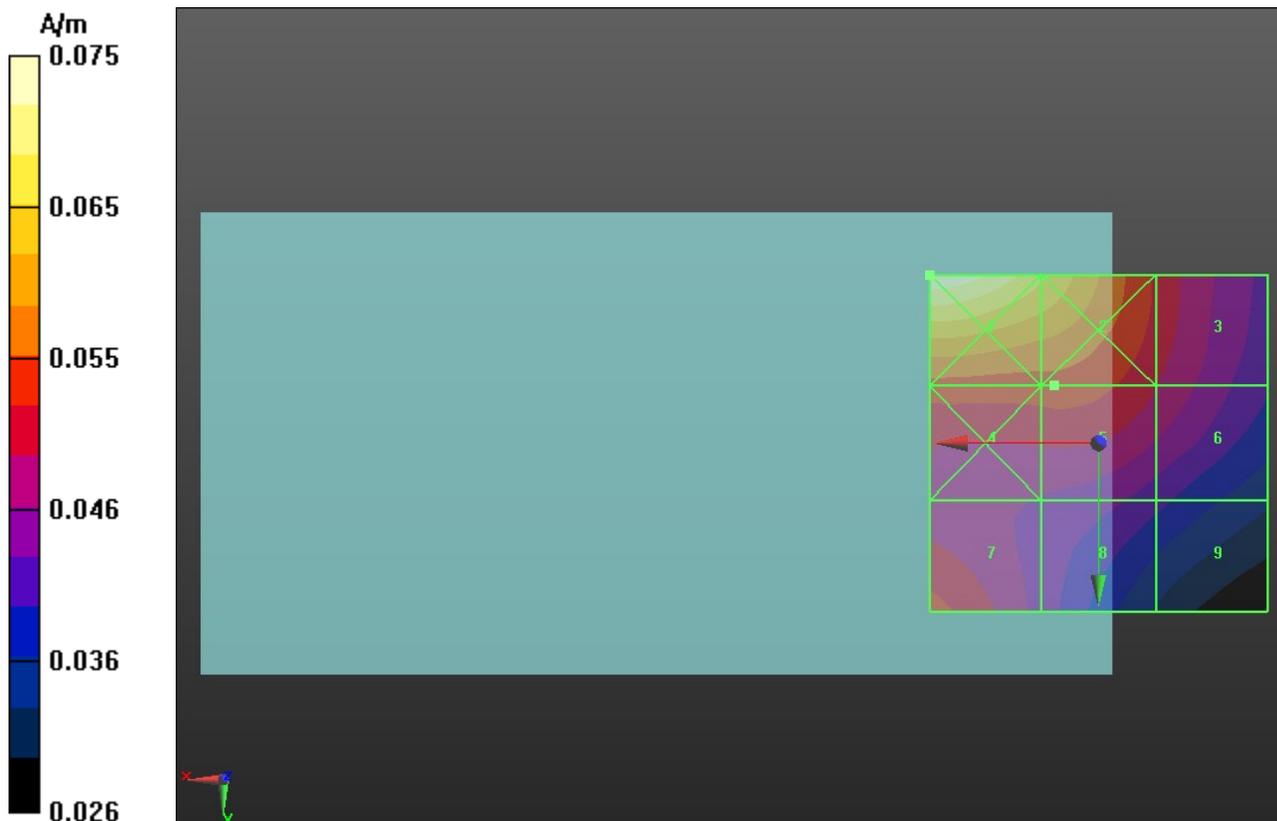
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.057 A/m; Power Drift = 0.04 dB

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

Peak H-field in A/m

Grid 1 0.075 M4	Grid 2 0.066 M4	Grid 3 0.052 M4
Grid 4 0.054 M4	Grid 5 0.054 M4	Grid 6 0.049 M4
Grid 7 0.054 M4	Grid 8 0.045 M4	Grid 9 0.040 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Standard cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.060 A/m

Probe Modulation Factor = 0.950

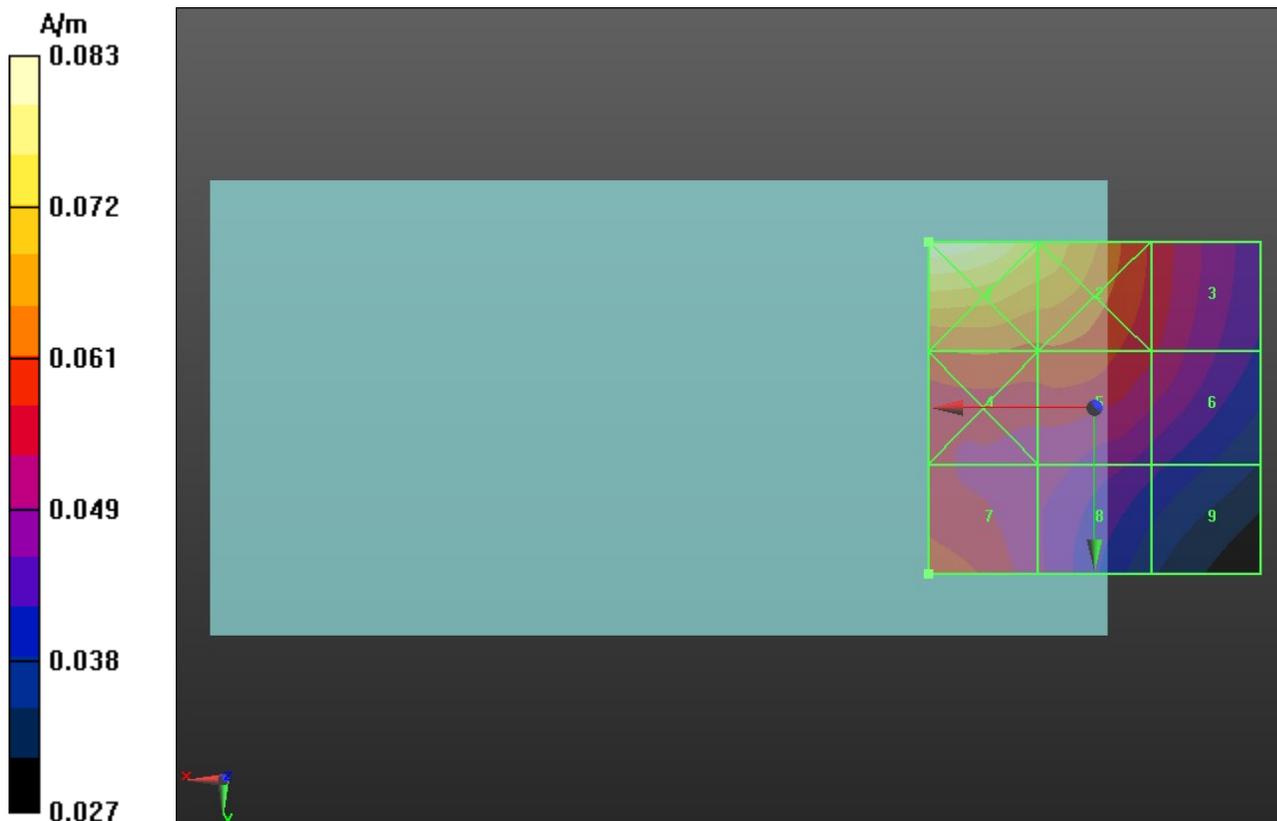
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.062 A/m; Power Drift = -0.07 dB

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

Peak H-field in A/m

Grid 1 0.083 M4	Grid 2 0.073 M4	Grid 3 0.056 M4
Grid 4 0.061 M4	Grid 5 0.060 M4	Grid 6 0.054 M4
Grid 7 0.060 M4	Grid 8 0.051 M4	Grid 9 0.044 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Standard cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.074 A/m

Probe Modulation Factor = 0.950

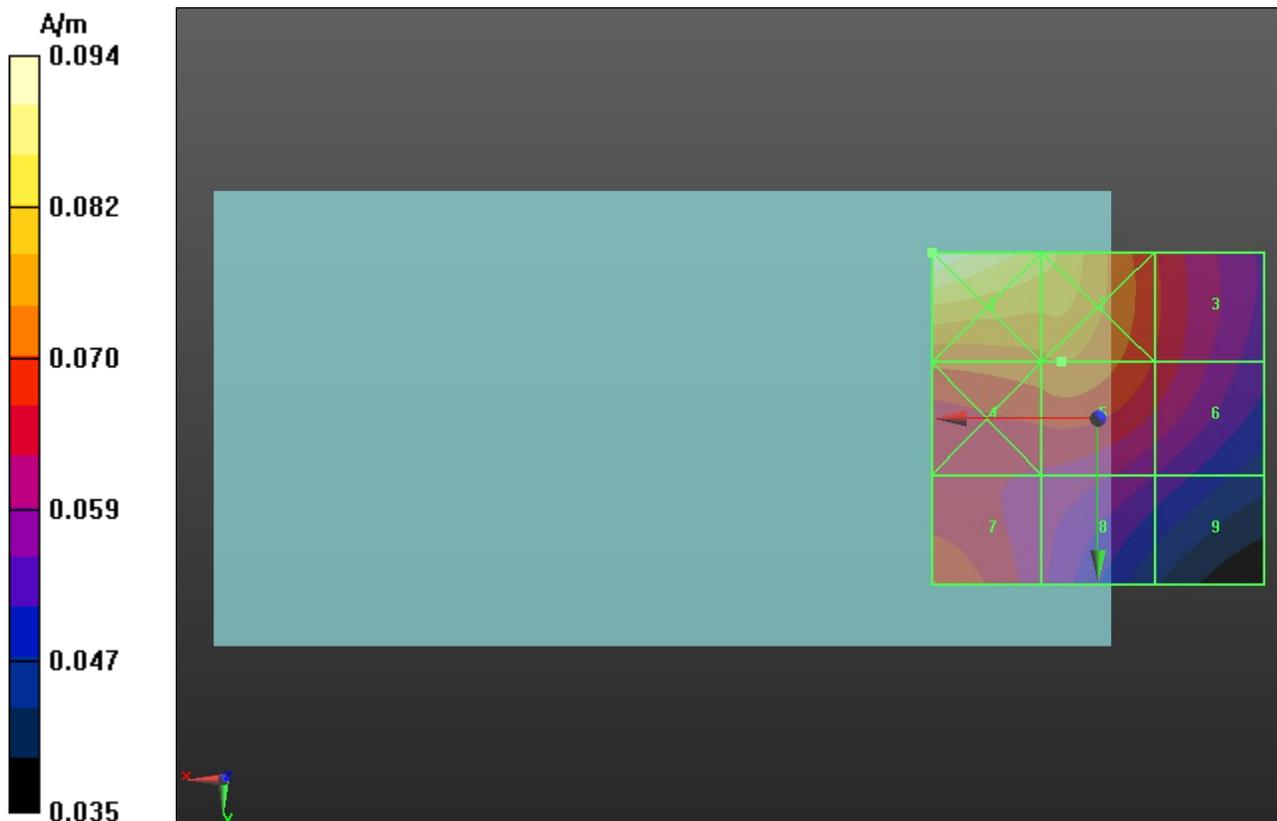
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.080 A/m; Power Drift = -0.20 dB

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

Peak H-field in A/m

Grid 1 0.094 M4	Grid 2 0.084 M4	Grid 3 0.068 M4
Grid 4 0.073 M4	Grid 5 0.074 M4	Grid 6 0.066 M4
Grid 7 0.071 M4	Grid 8 0.062 M4	Grid 9 0.055 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Standard cover

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.094 A/m

Probe Modulation Factor = 0.960

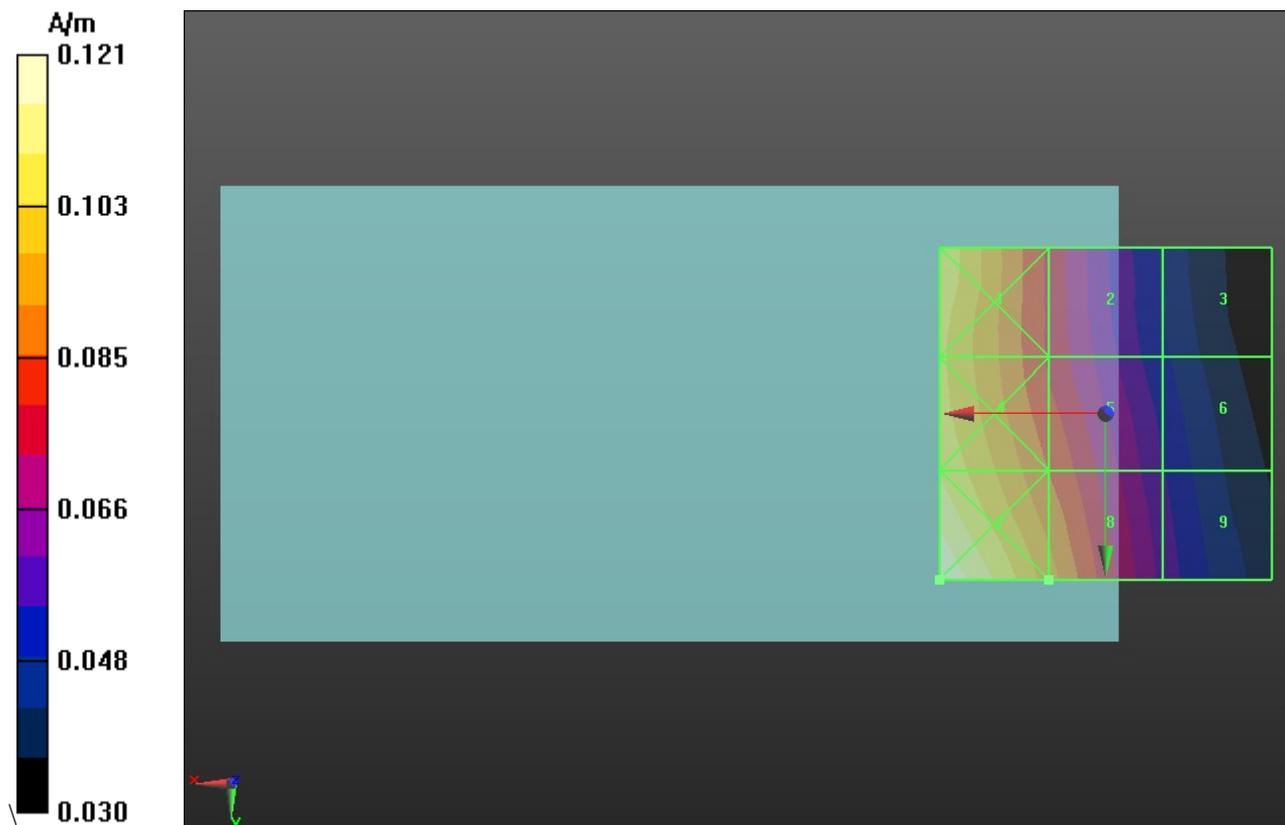
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.072 A/m; Power Drift = 0.05 dB

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

Peak H-field in A/m

Grid 1 0.108 M4	Grid 2 0.078 M4	Grid 3 0.050 M4
Grid 4 0.109 M4	Grid 5 0.085 M4	Grid 6 0.055 M4
Grid 7 0.121 M4	Grid 8 0.094 M4	Grid 9 0.059 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Standard cover

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.088 A/m

Probe Modulation Factor = 0.960

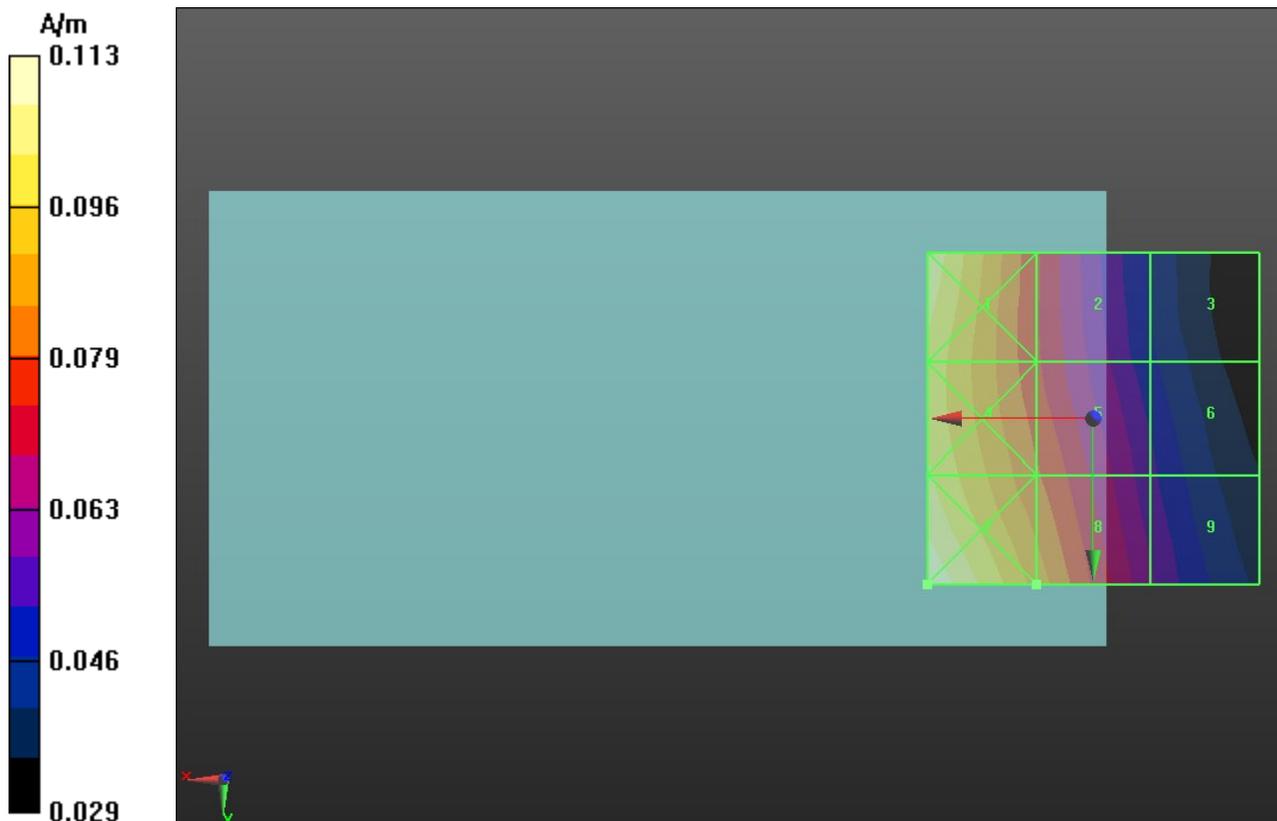
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.070 A/m; Power Drift = 0.07 dB

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

Peak H-field in A/m

Grid 1 0.107 M4	Grid 2 0.075 M4	Grid 3 0.048 M4
Grid 4 0.103 M4	Grid 5 0.080 M4	Grid 6 0.053 M4
Grid 7 0.113 M4	Grid 8 0.088 M4	Grid 9 0.058 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Standard cover

Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.083 A/m

Probe Modulation Factor = 0.960

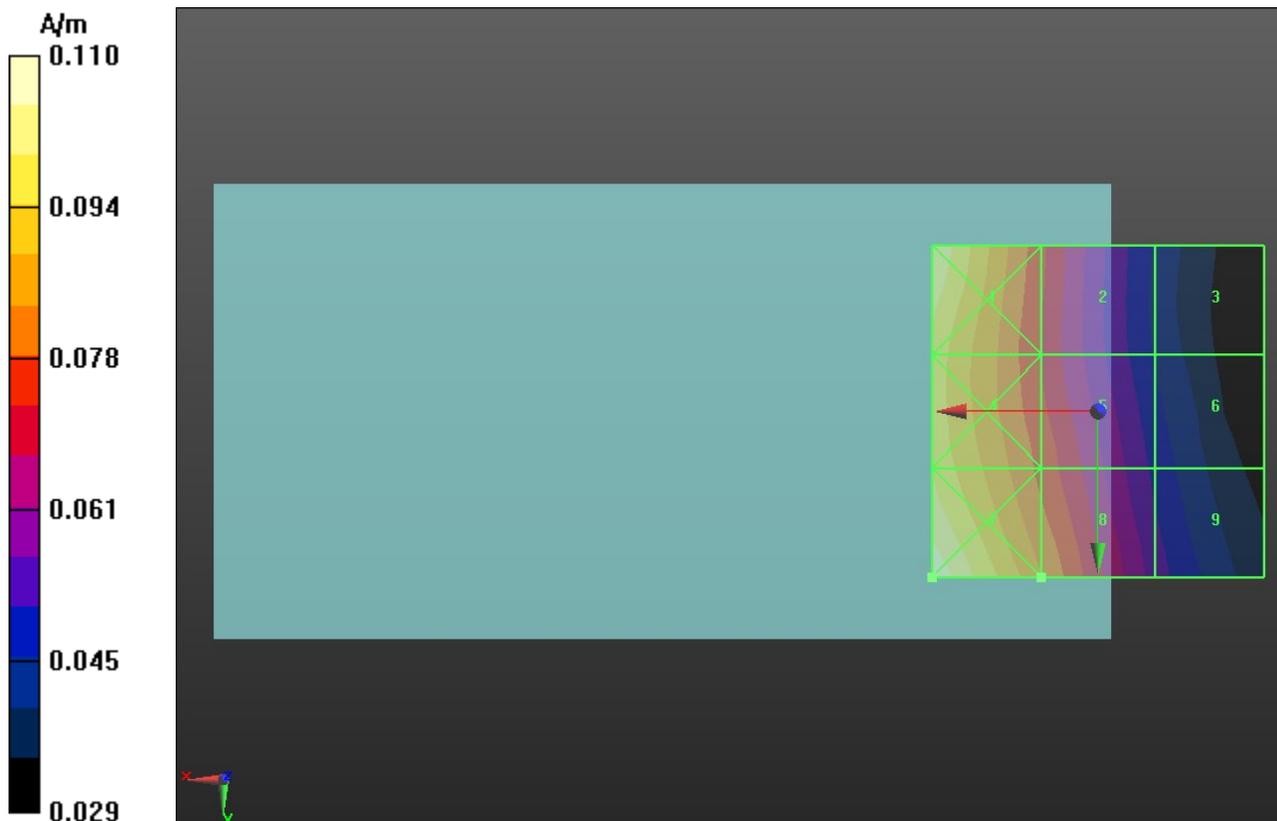
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.066 A/m; Power Drift = -0.03 dB

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

Peak H-field in A/m

Grid 1 0.105 M4	Grid 2 0.074 M4	Grid 3 0.045 M4
Grid 4 0.099 M4	Grid 5 0.076 M4	Grid 6 0.050 M4
Grid 7 0.110 M4	Grid 8 0.083 M4	Grid 9 0.054 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Standard cover

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.066 A/m

Probe Modulation Factor = 0.980

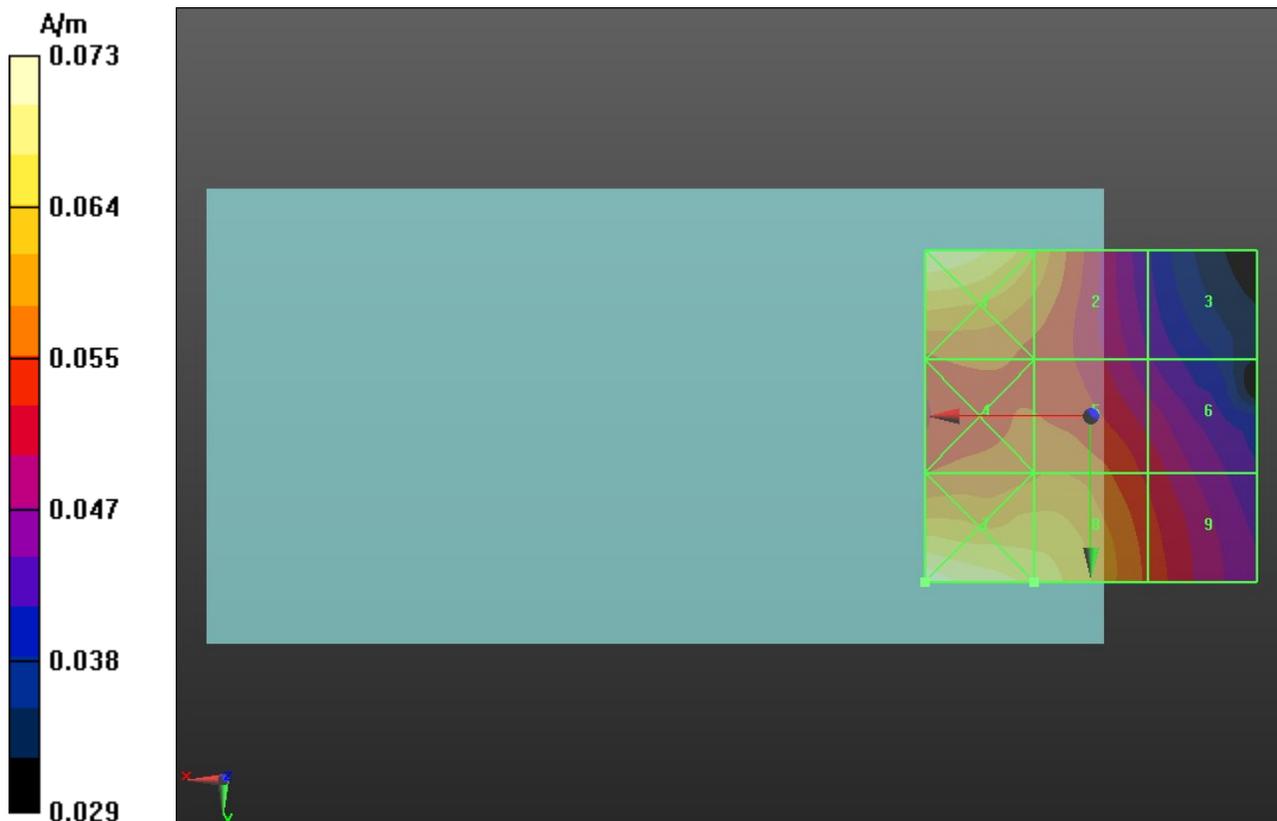
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.061 A/m; Power Drift = -0.00023 dB

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

Peak H-field in A/m

Grid 1 0.071 M4	Grid 2 0.062 M4	Grid 3 0.044 M4
Grid 4 0.058 M4	Grid 5 0.058 M4	Grid 6 0.052 M4
Grid 7 0.073 M4	Grid 8 0.066 M4	Grid 9 0.055 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Standard cover

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.070 A/m

Probe Modulation Factor = 0.980

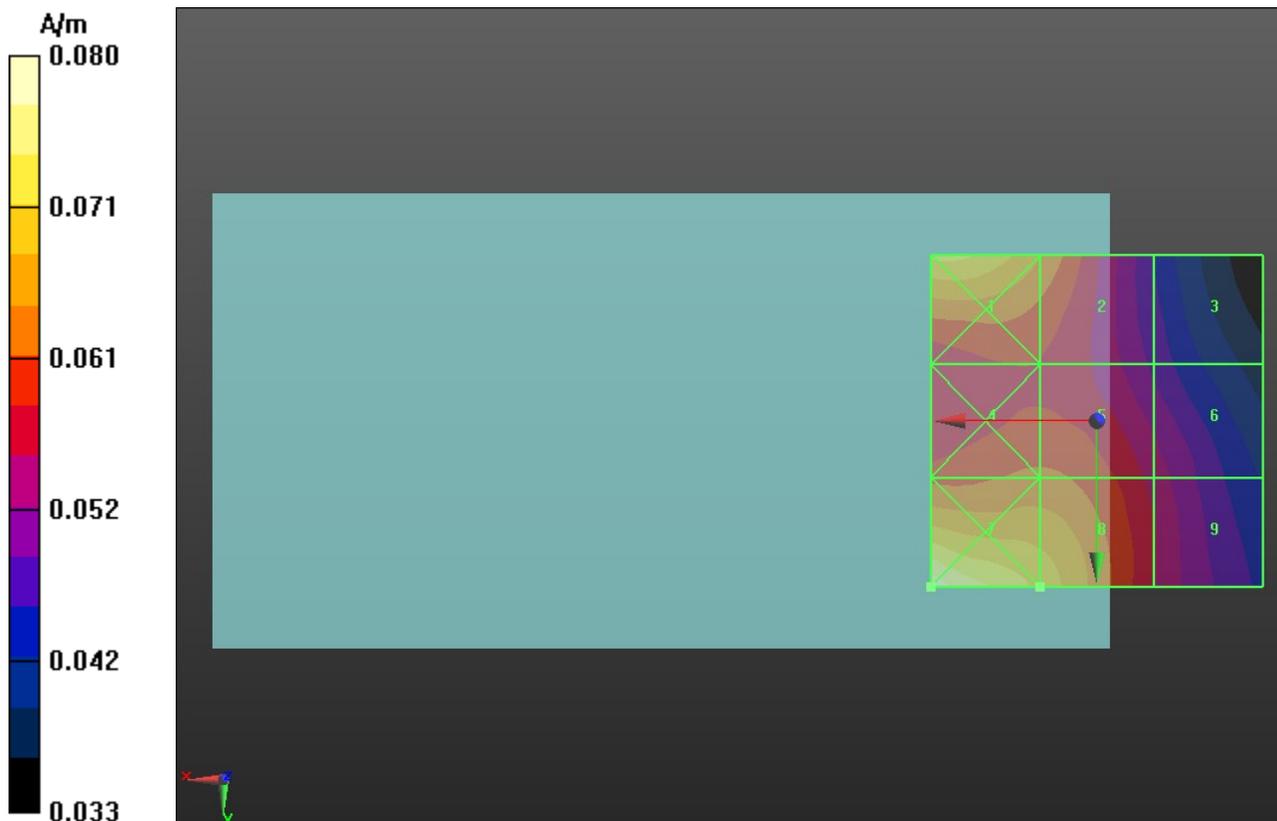
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

Grid 1 0.072 M4	Grid 2 0.065 M4	Grid 3 0.048 M4
Grid 4 0.062 M4	Grid 5 0.062 M4	Grid 6 0.054 M4
Grid 7 0.080 M4	Grid 8 0.070 M4	Grid 9 0.055 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Standard cover

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.069 A/m

Probe Modulation Factor = 0.980

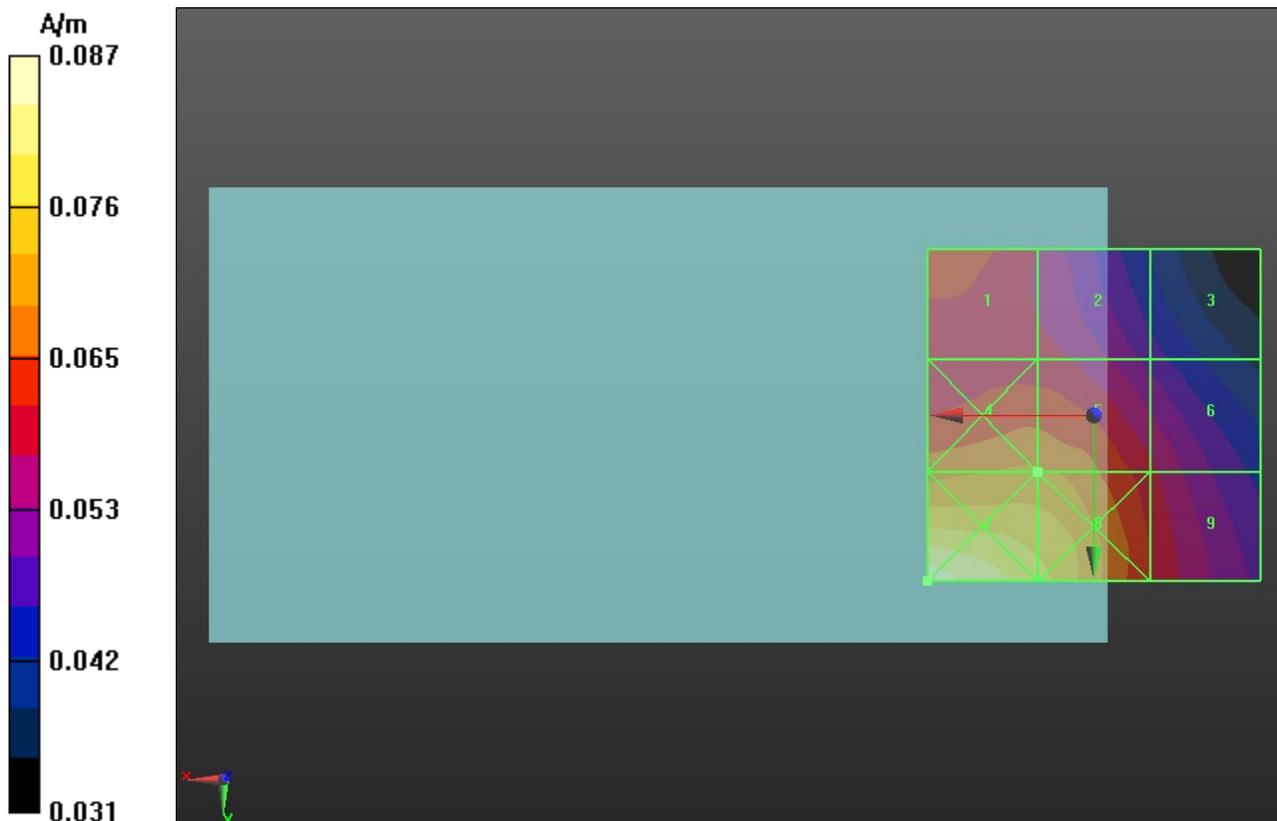
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.067 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.065 M4	Grid 2 0.059 M4	Grid 3 0.048 M4
Grid 4 0.069 M4	Grid 5 0.069 M4	Grid 6 0.058 M4
Grid 7 0.087 M4	Grid 8 0.077 M4	Grid 9 0.061 M4



Test Laboratory: UL CCS SAR Lab C

GSM 850 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 824.4 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.233 A/m

Probe Modulation Factor = 2.790

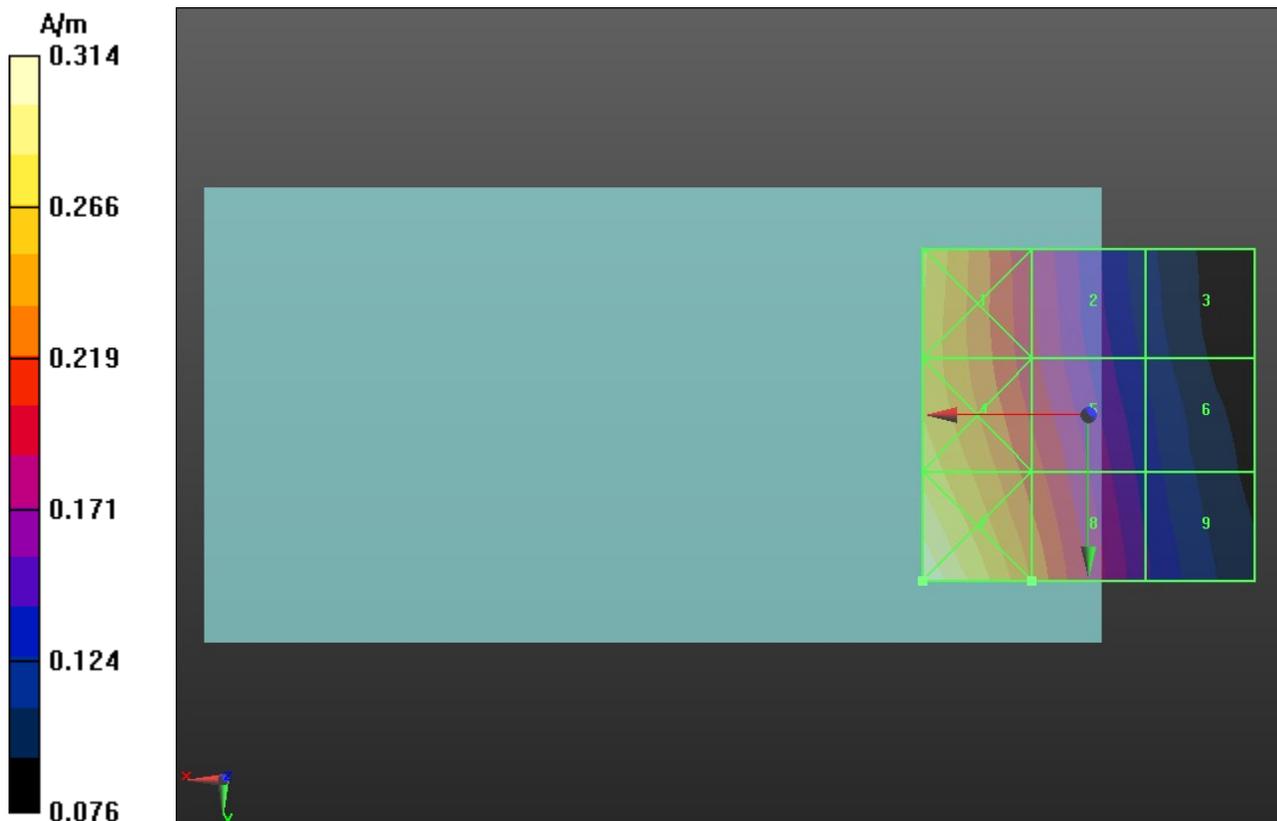
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.060 A/m; Power Drift = 0.06 dB

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

Peak H-field in A/m

Grid 1 0.270 M4	Grid 2 0.192 M4	Grid 3 0.121 M4
Grid 4 0.278 M4	Grid 5 0.211 M4	Grid 6 0.134 M4
Grid 7 0.314 M4	Grid 8 0.233 M4	Grid 9 0.143 M4



Test Laboratory: UL CCS SAR Lab C

GSM 850 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.225 A/m

Probe Modulation Factor = 2.790

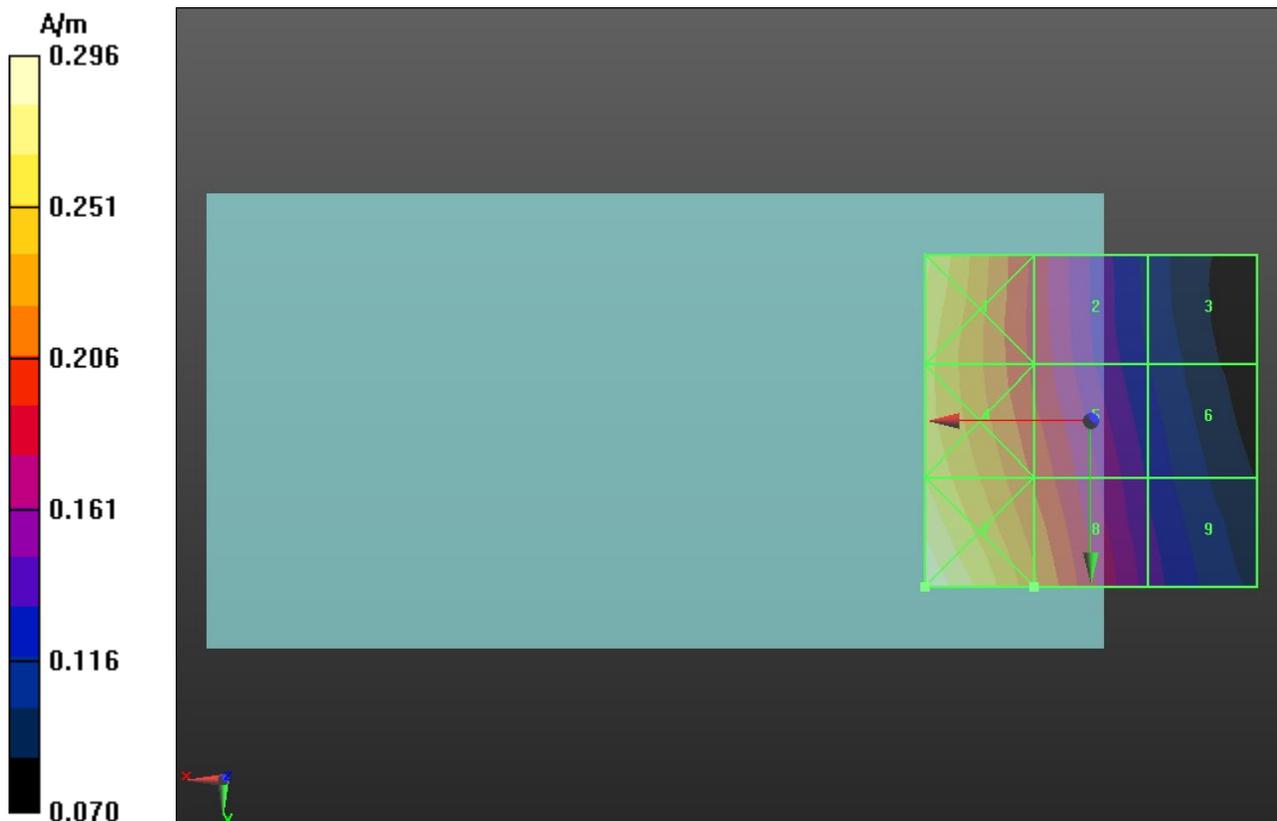
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

Grid 1 0.271 M4	Grid 2 0.187 M4	Grid 3 0.117 M4
Grid 4 0.266 M4	Grid 5 0.204 M4	Grid 6 0.129 M4
Grid 7 0.296 M4	Grid 8 0.225 M4	Grid 9 0.141 M4



Test Laboratory: UL CCS SAR Lab C

GSM 850 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 848.8 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.205 A/m

Probe Modulation Factor = 2.790

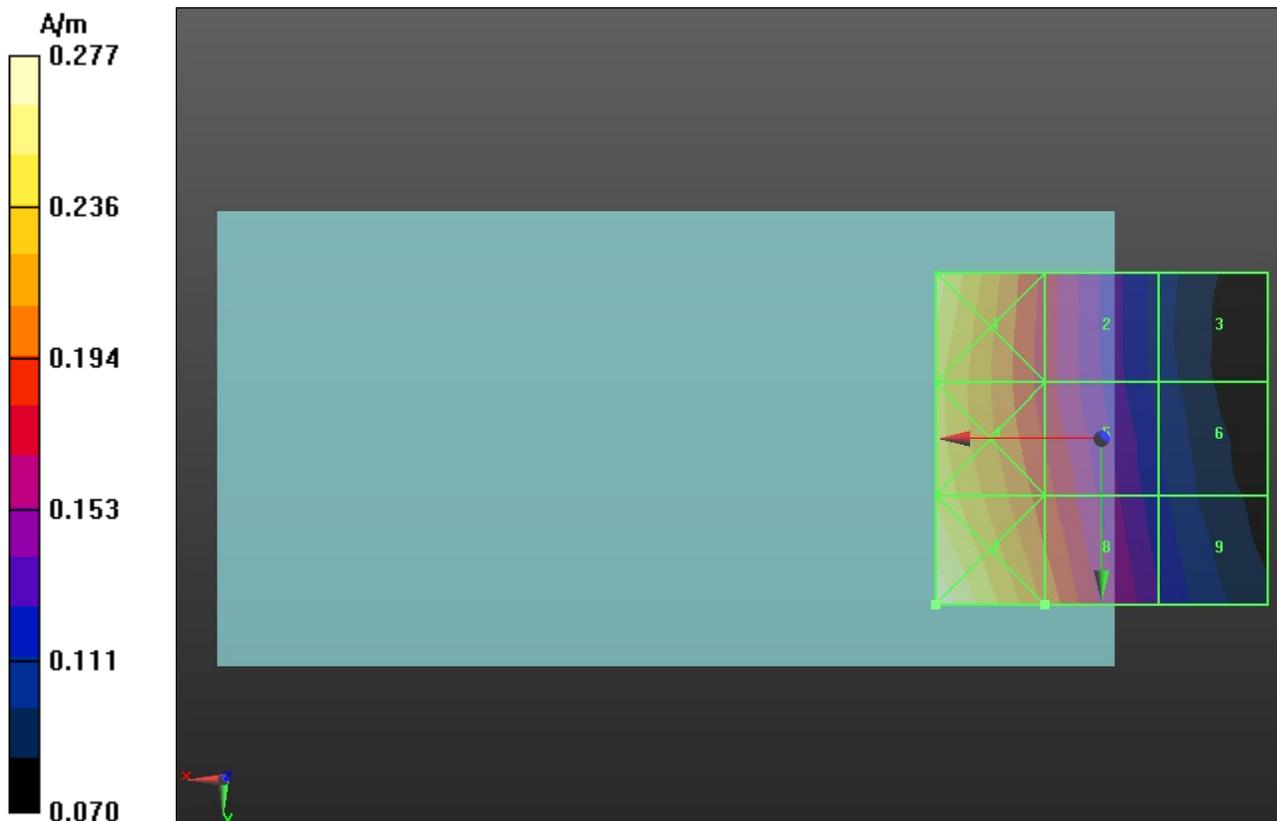
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.054 A/m; Power Drift = 0.0053 dB

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

Peak H-field in A/m

Grid 1 0.258 M4	Grid 2 0.175 M4	Grid 3 0.108 M4
Grid 4 0.248 M4	Grid 5 0.187 M4	Grid 6 0.117 M4
Grid 7 0.277 M4	Grid 8 0.205 M4	Grid 9 0.128 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.137 A/m

Probe Modulation Factor = 2.840

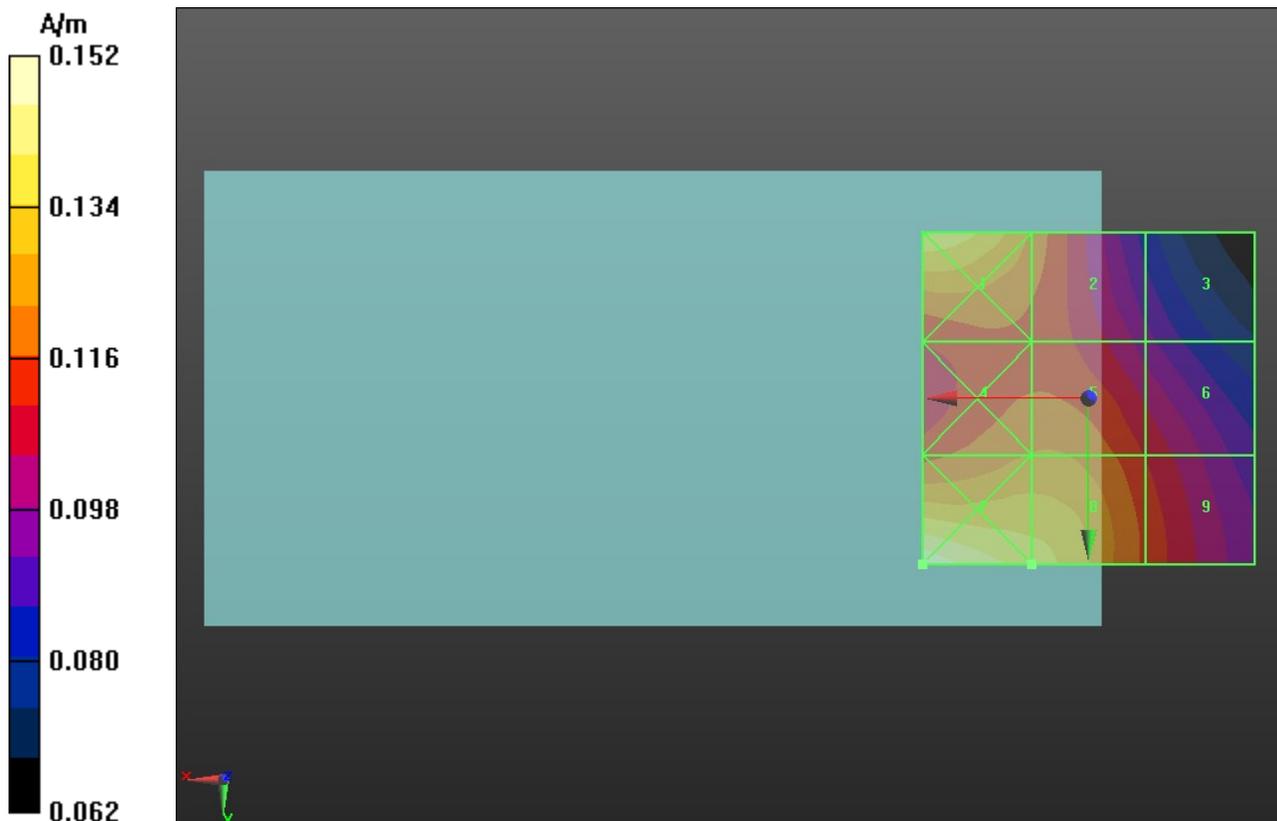
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.045 A/m; Power Drift = 0.04 dB

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

Peak H-field in A/m

Grid 1 0.140 M4	Grid 2 0.121 M4	Grid 3 0.095 M4
Grid 4 0.122 M4	Grid 5 0.123 M4	Grid 6 0.110 M4
Grid 7 0.152 M3	Grid 8 0.137 M4	Grid 9 0.115 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.138 A/m

Probe Modulation Factor = 2.840

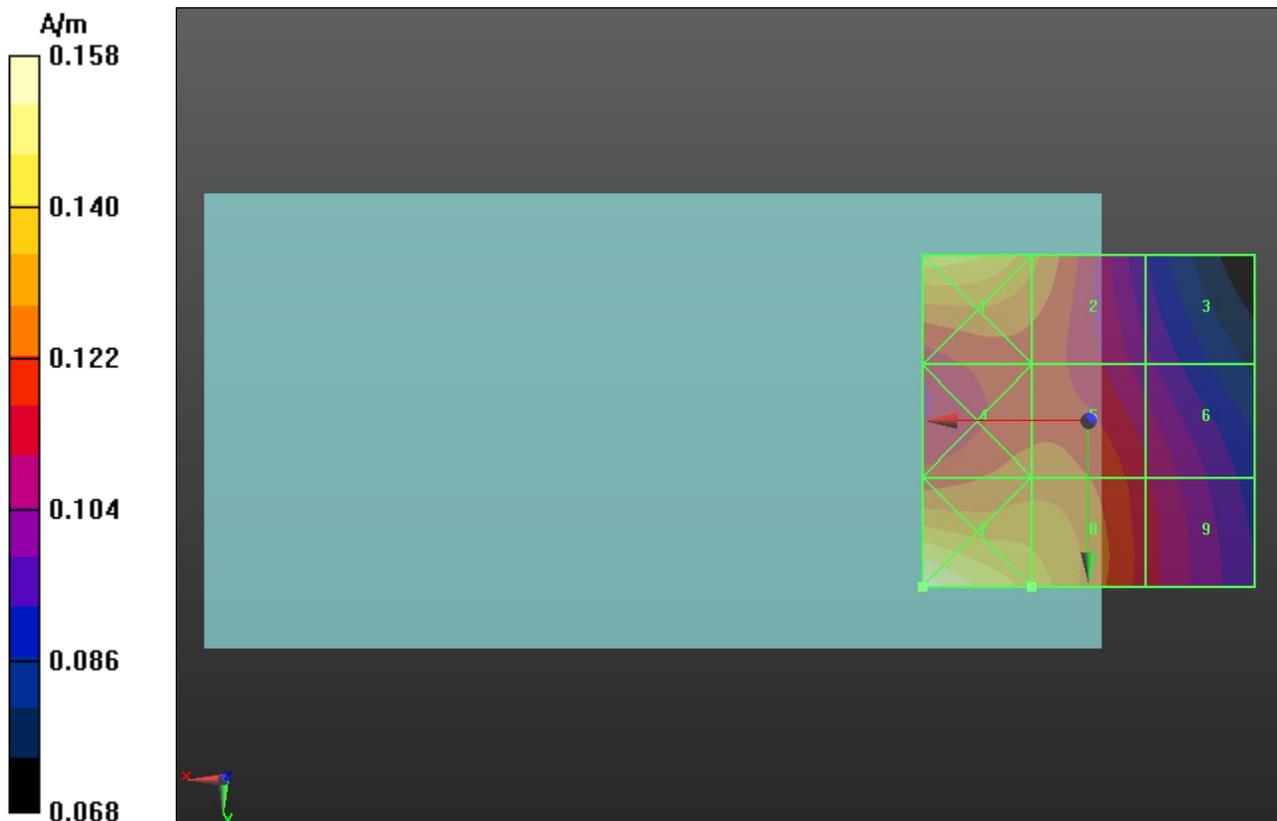
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.046 A/m; Power Drift = -0.05 dB

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

Peak H-field in A/m

Grid 1 0.144 M3	Grid 2 0.130 M4	Grid 3 0.101 M4
Grid 4 0.125 M4	Grid 5 0.126 M4	Grid 6 0.111 M4
Grid 7 0.158 M3	Grid 8 0.138 M4	Grid 9 0.113 M4



Test Laboratory: UL CCS SAR Lab C

GSM 1900 with Wireless Charging Battery Cover

Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.00018

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.149 A/m

Probe Modulation Factor = 2.840

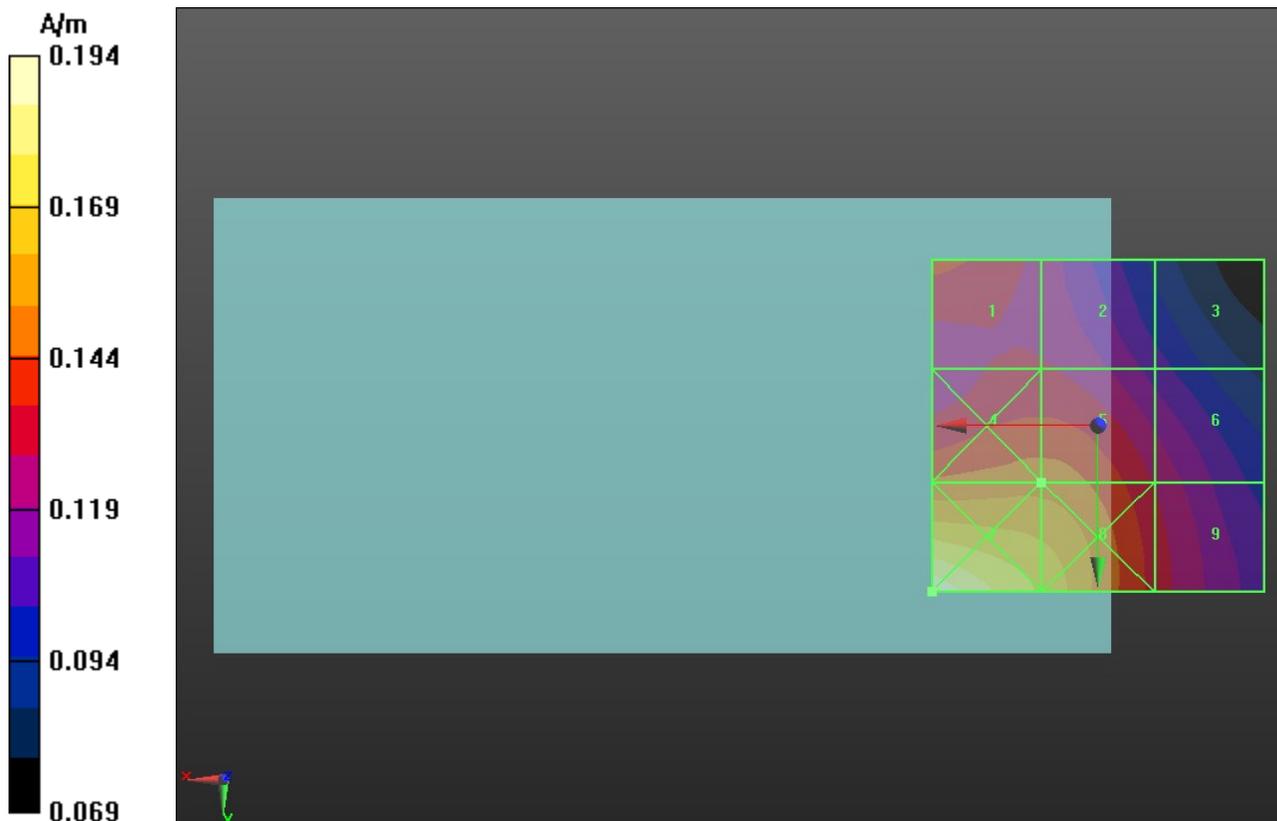
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.051 A/m; Power Drift = -0.03 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.140 M4	0.129 M4	0.107 M4
0.149 M3	0.149 M3	0.127 M4
0.194 M3	0.168 M3	0.133 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Wireless Charging Battery Cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.052 A/m

Probe Modulation Factor = 0.950

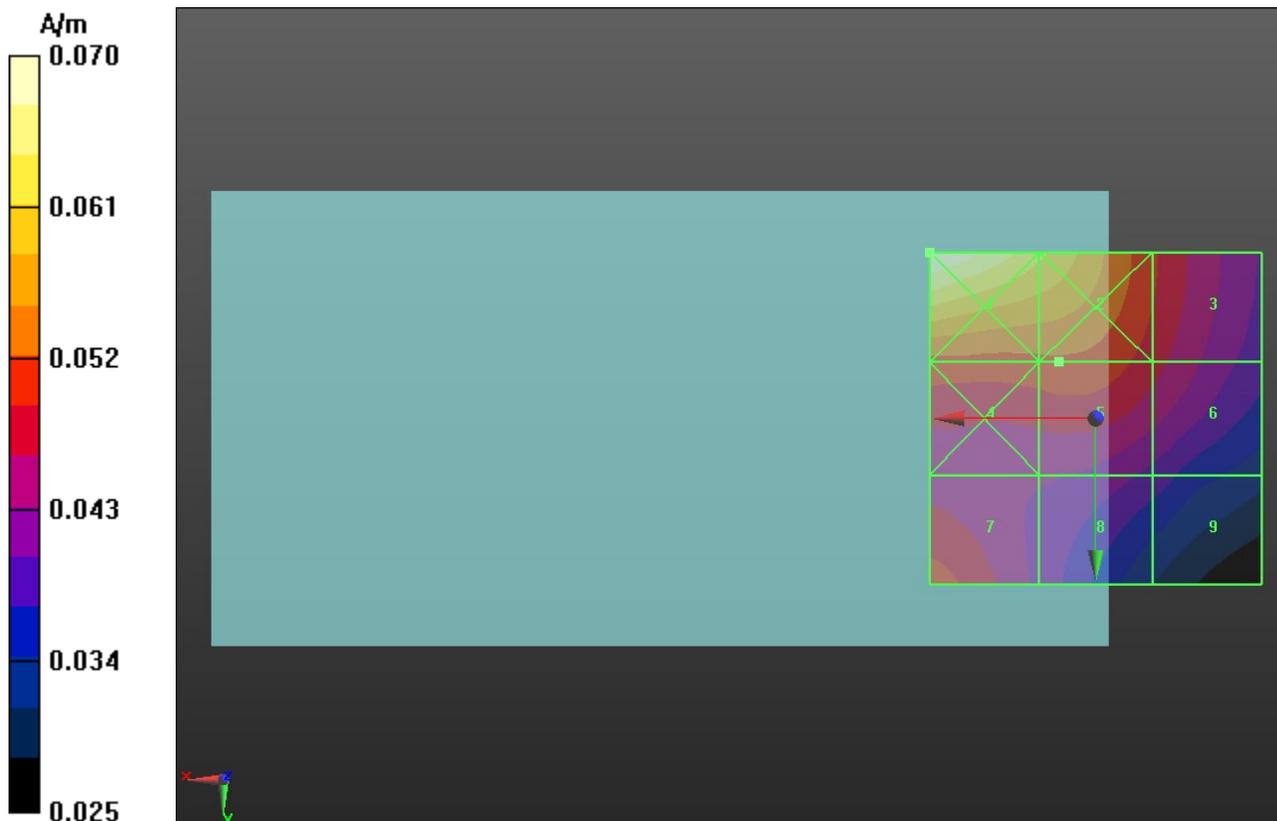
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.055 A/m; Power Drift = -0.05 dB

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

Peak H-field in A/m

Grid 1 0.070 M4	Grid 2 0.062 M4	Grid 3 0.050 M4
Grid 4 0.051 M4	Grid 5 0.052 M4	Grid 6 0.047 M4
Grid 7 0.051 M4	Grid 8 0.044 M4	Grid 9 0.039 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Wireless Charging Battery Cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.059 A/m

Probe Modulation Factor = 0.950

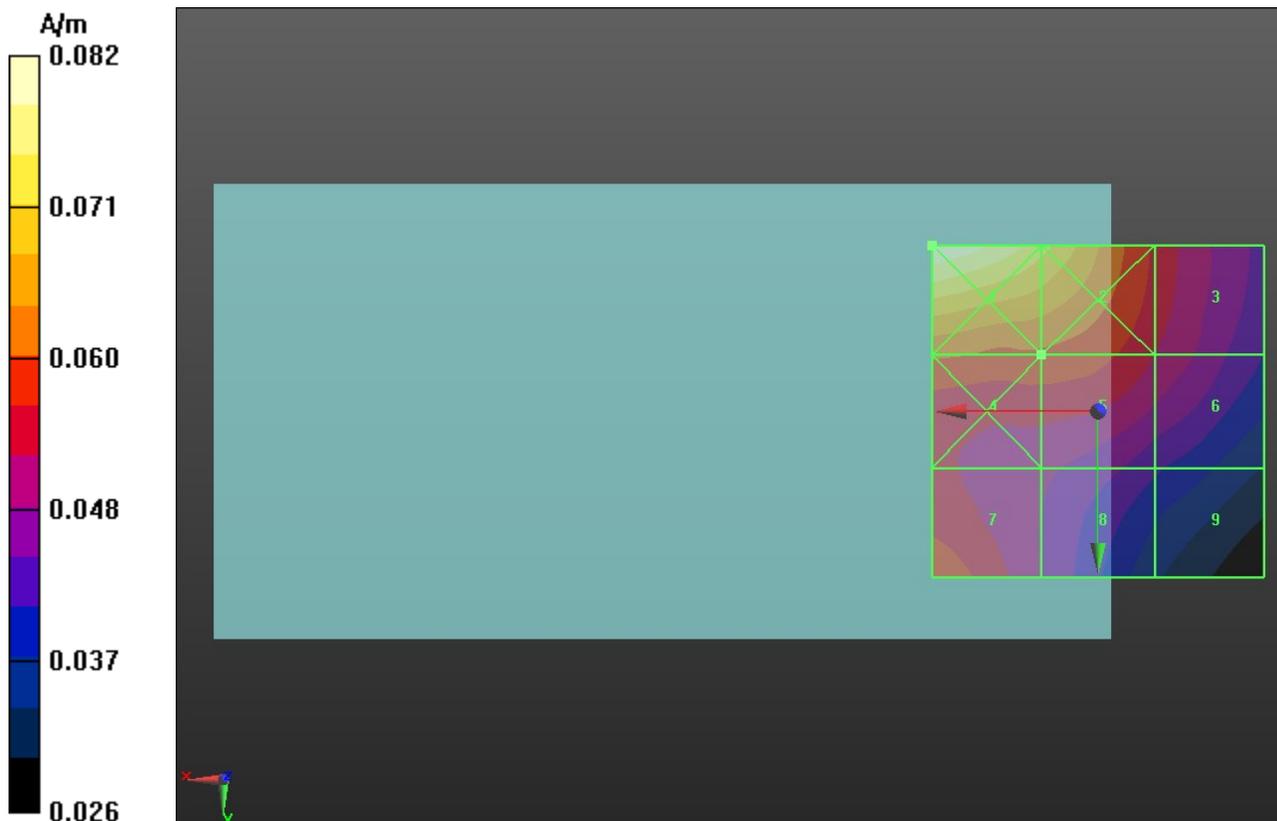
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = 0.04 dB

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

Peak H-field in A/m

Grid 1 0.082 M4	Grid 2 0.072 M4	Grid 3 0.055 M4
Grid 4 0.060 M4	Grid 5 0.059 M4	Grid 6 0.052 M4
Grid 7 0.059 M4	Grid 8 0.050 M4	Grid 9 0.042 M4



Test Laboratory: UL CCS SAR Lab C

W-CDMA band II with Wireless Charging Battery Cover

Communication System: UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.070 A/m

Probe Modulation Factor = 0.950

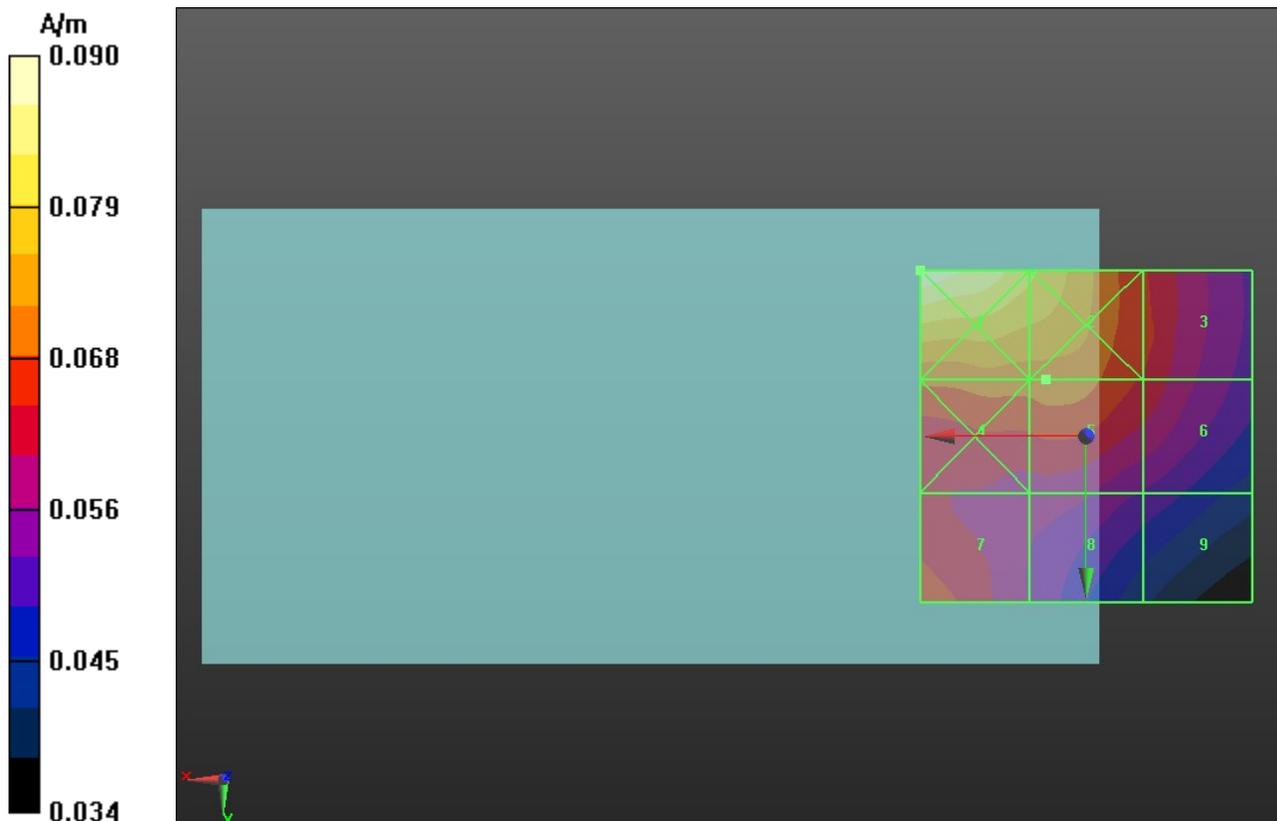
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.075 A/m; Power Drift = -0.22 dB

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

Peak H-field in A/m

Grid 1 0.090 M4	Grid 2 0.080 M4	Grid 3 0.065 M4
Grid 4 0.070 M4	Grid 5 0.070 M4	Grid 6 0.063 M4
Grid 7 0.066 M4	Grid 8 0.059 M4	Grid 9 0.052 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.088 A/m

Probe Modulation Factor = 0.960

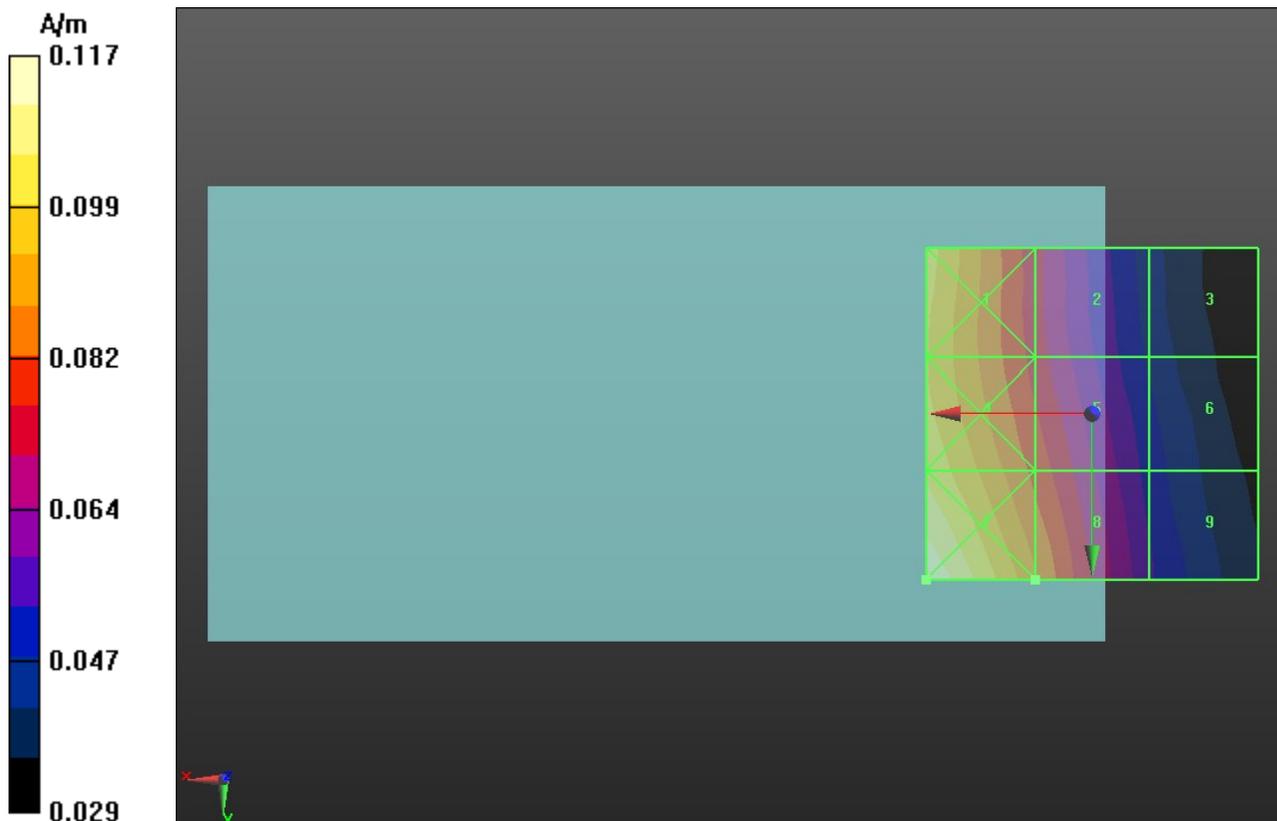
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.066 A/m; Power Drift = 0.05 dB

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

Peak H-field in A/m

Grid 1 0.103 M4	Grid 2 0.074 M4	Grid 3 0.046 M4
Grid 4 0.105 M4	Grid 5 0.080 M4	Grid 6 0.051 M4
Grid 7 0.117 M4	Grid 8 0.088 M4	Grid 9 0.054 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.084 A/m

Probe Modulation Factor = 0.960

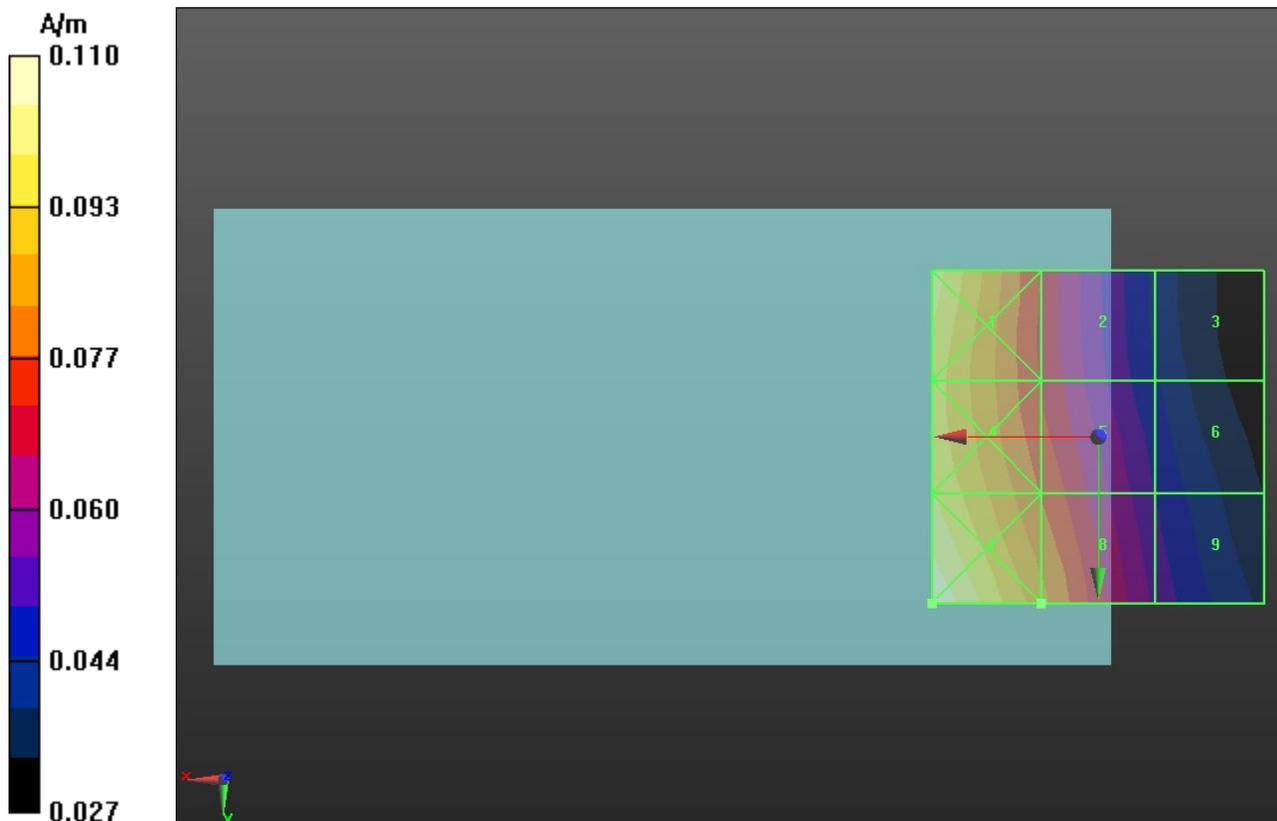
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.065 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.102 M4	Grid 2 0.071 M4	Grid 3 0.044 M4
Grid 4 0.100 M4	Grid 5 0.076 M4	Grid 6 0.049 M4
Grid 7 0.110 M4	Grid 8 0.084 M4	Grid 9 0.054 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.080 A/m

Probe Modulation Factor = 0.960

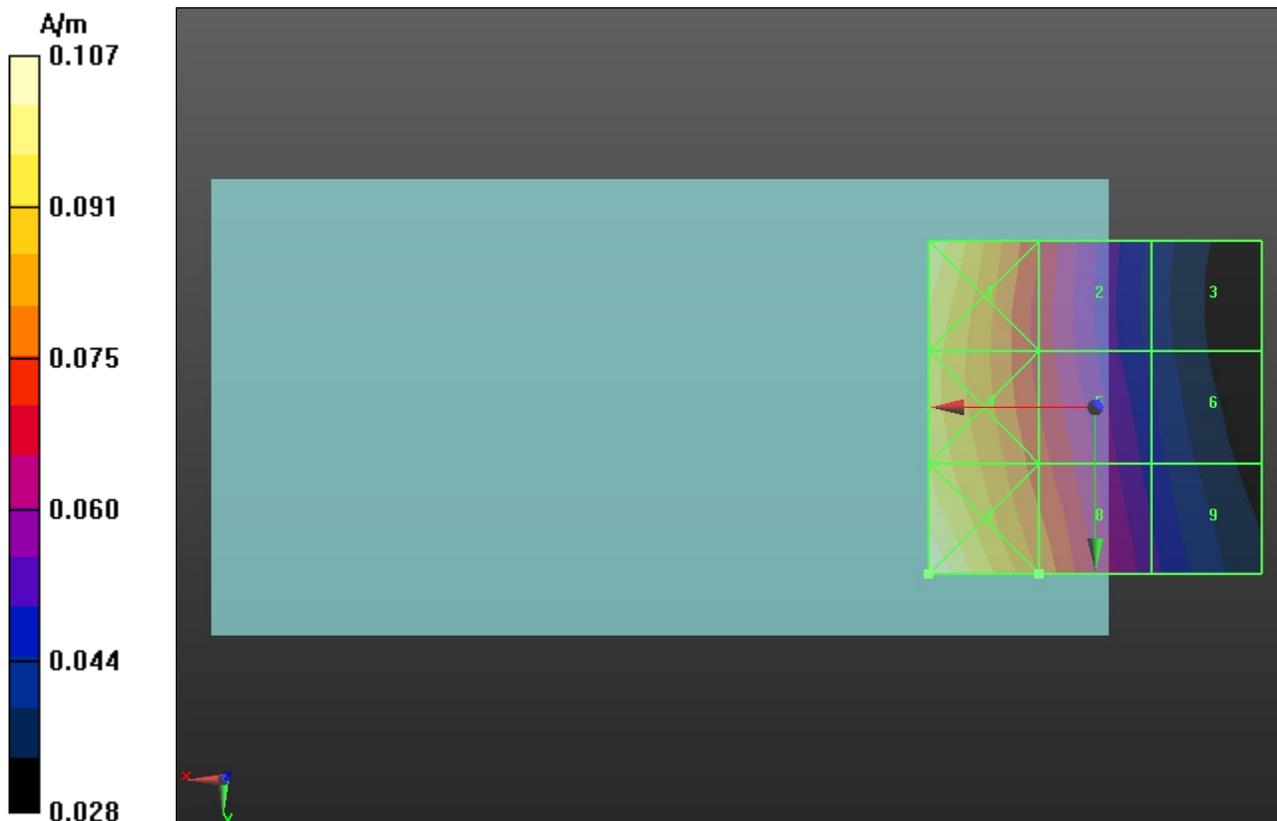
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.062 A/m; Power Drift = 0.10 dB

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

Peak H-field in A/m

Grid 1 0.101 M4	Grid 2 0.070 M4	Grid 3 0.043 M4
Grid 4 0.096 M4	Grid 5 0.073 M4	Grid 6 0.047 M4
Grid 7 0.107 M4	Grid 8 0.080 M4	Grid 9 0.051 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.064 A/m

Probe Modulation Factor = 0.980

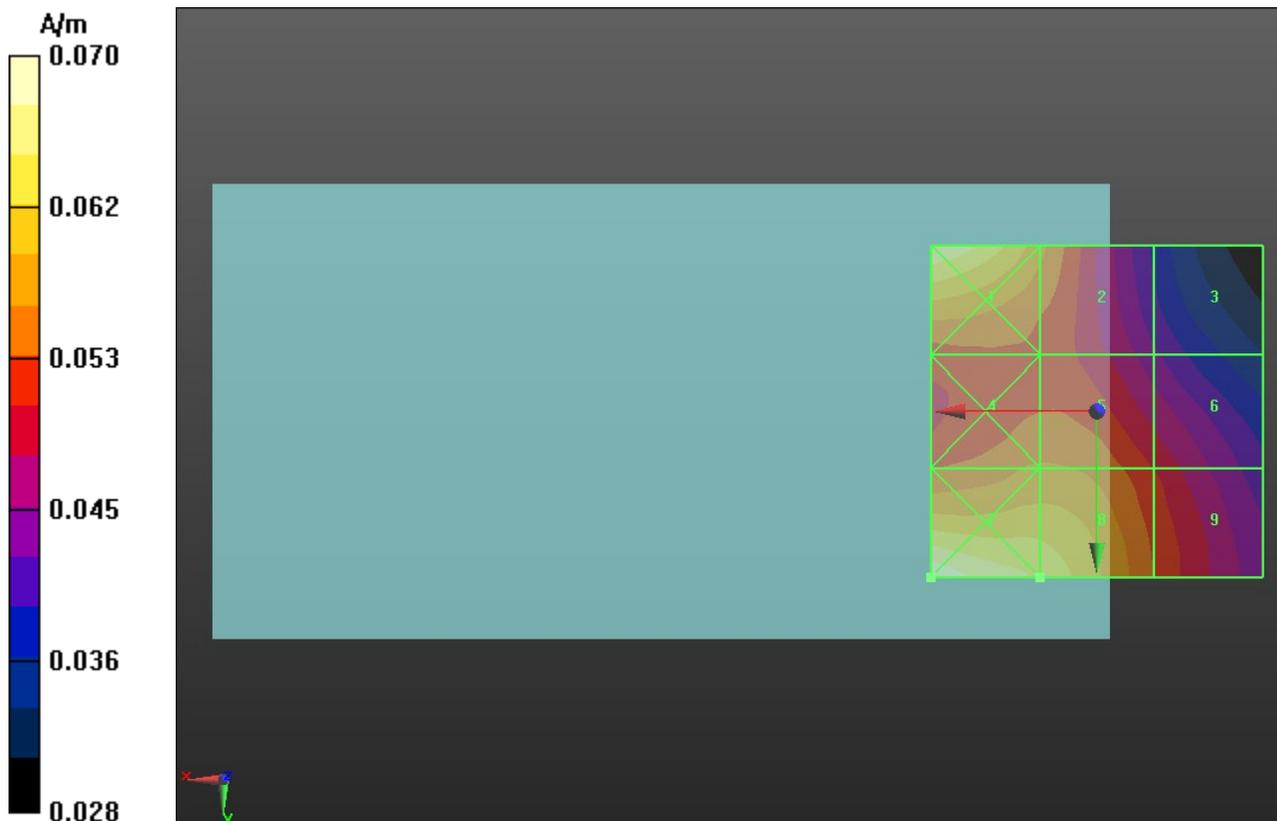
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = -0.24 dB

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

Peak H-field in A/m

Grid 1 0.068 M4	Grid 2 0.057 M4	Grid 3 0.043 M4
Grid 4 0.056 M4	Grid 5 0.056 M4	Grid 6 0.050 M4
Grid 7 0.070 M4	Grid 8 0.064 M4	Grid 9 0.053 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.067 A/m

Probe Modulation Factor = 0.980

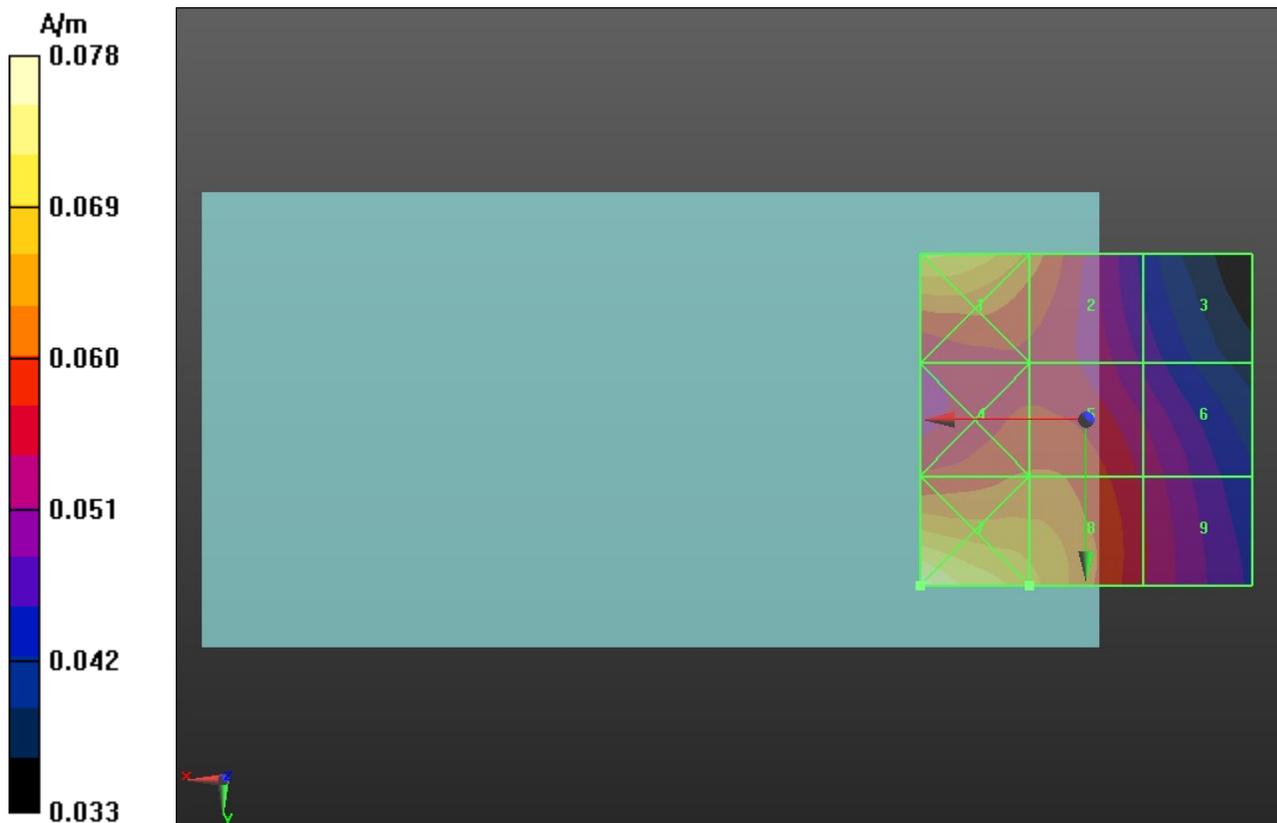
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = -0.04 dB

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

Peak H-field in A/m

Grid 1 0.070 M4	Grid 2 0.062 M4	Grid 3 0.048 M4
Grid 4 0.060 M4	Grid 5 0.061 M4	Grid 6 0.054 M4
Grid 7 0.078 M4	Grid 8 0.067 M4	Grid 9 0.055 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC1 with Wireless Charging Battery Cover

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/25/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.067 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.065 A/m; Power Drift = 0.09 dB

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

Peak H-field in A/m

Grid 1 0.062 M4	Grid 2 0.056 M4	Grid 3 0.047 M4
Grid 4 0.067 M4	Grid 5 0.067 M4	Grid 6 0.057 M4
Grid 7 0.086 M4	Grid 8 0.076 M4	Grid 9 0.060 M4

