

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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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

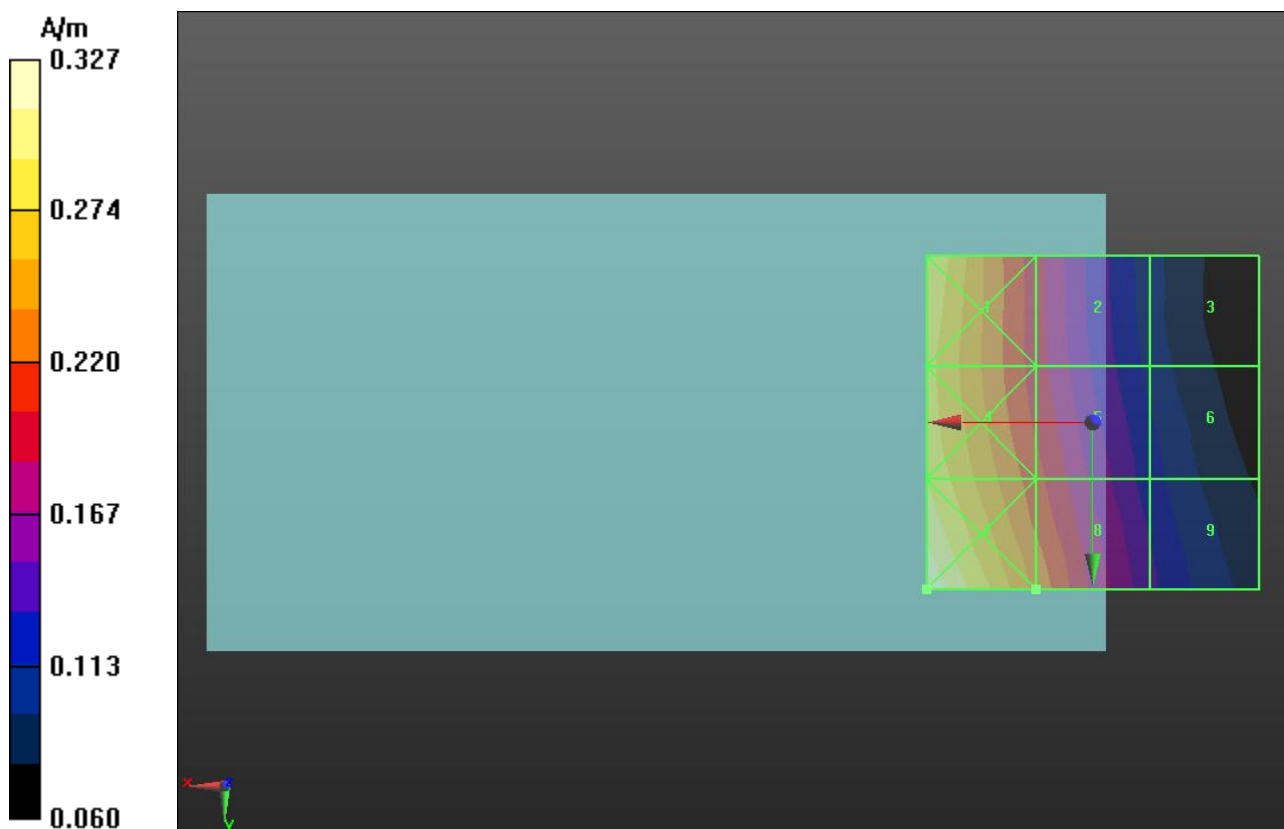
Device Reference Point: 0, 0, -6.3 mm

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

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

Peak H-field in A/m

Grid 1 0.294 M4	Grid 2 0.194 M4	Grid 3 0.109 M4
Grid 4 0.291 M4	Grid 5 0.209 M4	Grid 6 0.124 M4
Grid 7 0.327 M4	Grid 8 0.233 M4	Grid 9 0.138 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.220 A/m

Probe Modulation Factor = 2.790

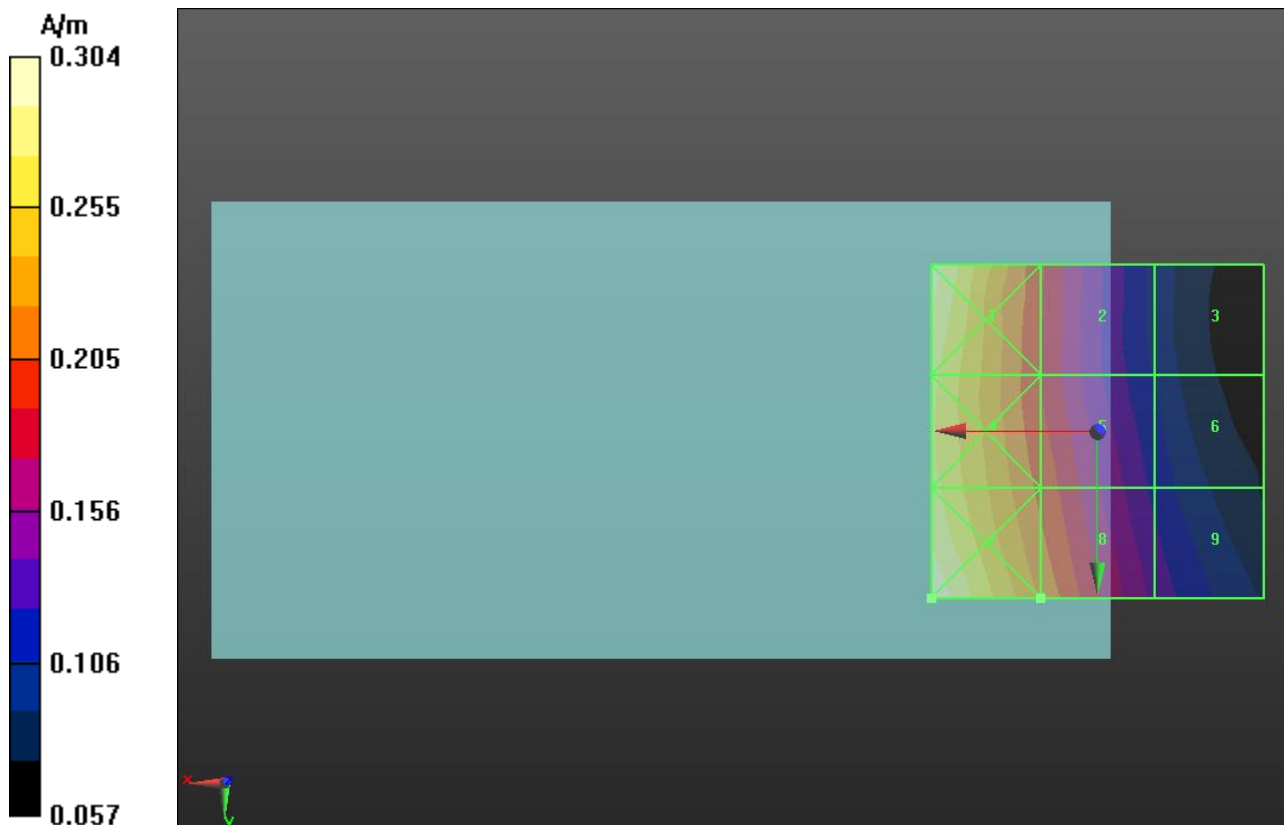
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.056 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

Grid 1 0.299 M4	Grid 2 0.192 M4	Grid 3 0.105 M4
Grid 4 0.278 M4	Grid 5 0.201 M4	Grid 6 0.119 M4
Grid 7 0.304 M4	Grid 8 0.220 M4	Grid 9 0.136 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.206 A/m

Probe Modulation Factor = 2.790

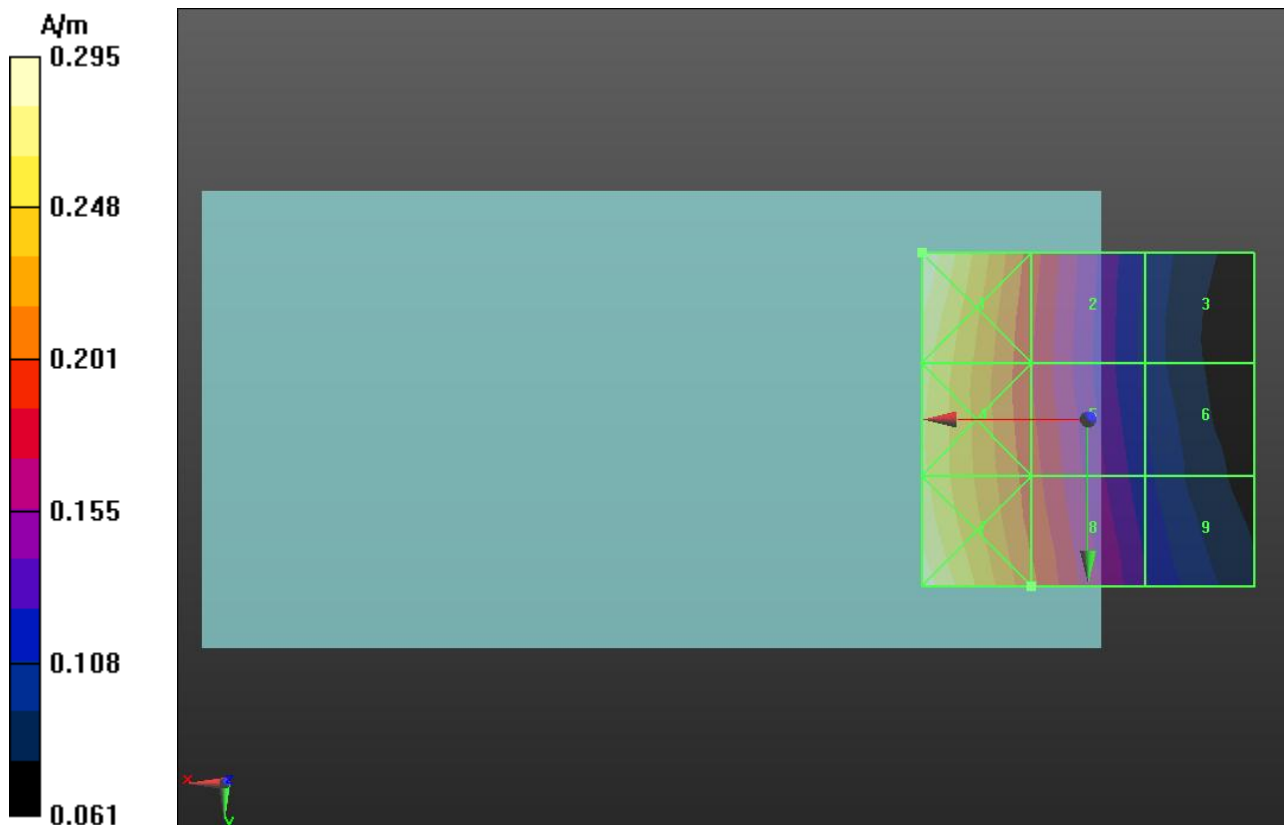
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.054 A/m; Power Drift = -0.0048 dB

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

Peak H-field in A/m

Grid 1 0.295 M4	Grid 2 0.194 M4	Grid 3 0.108 M4
Grid 4 0.272 M4	Grid 5 0.193 M4	Grid 6 0.114 M4
Grid 7 0.292 M4	Grid 8 0.206 M4	Grid 9 0.127 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.129 A/m

Probe Modulation Factor = 2.840

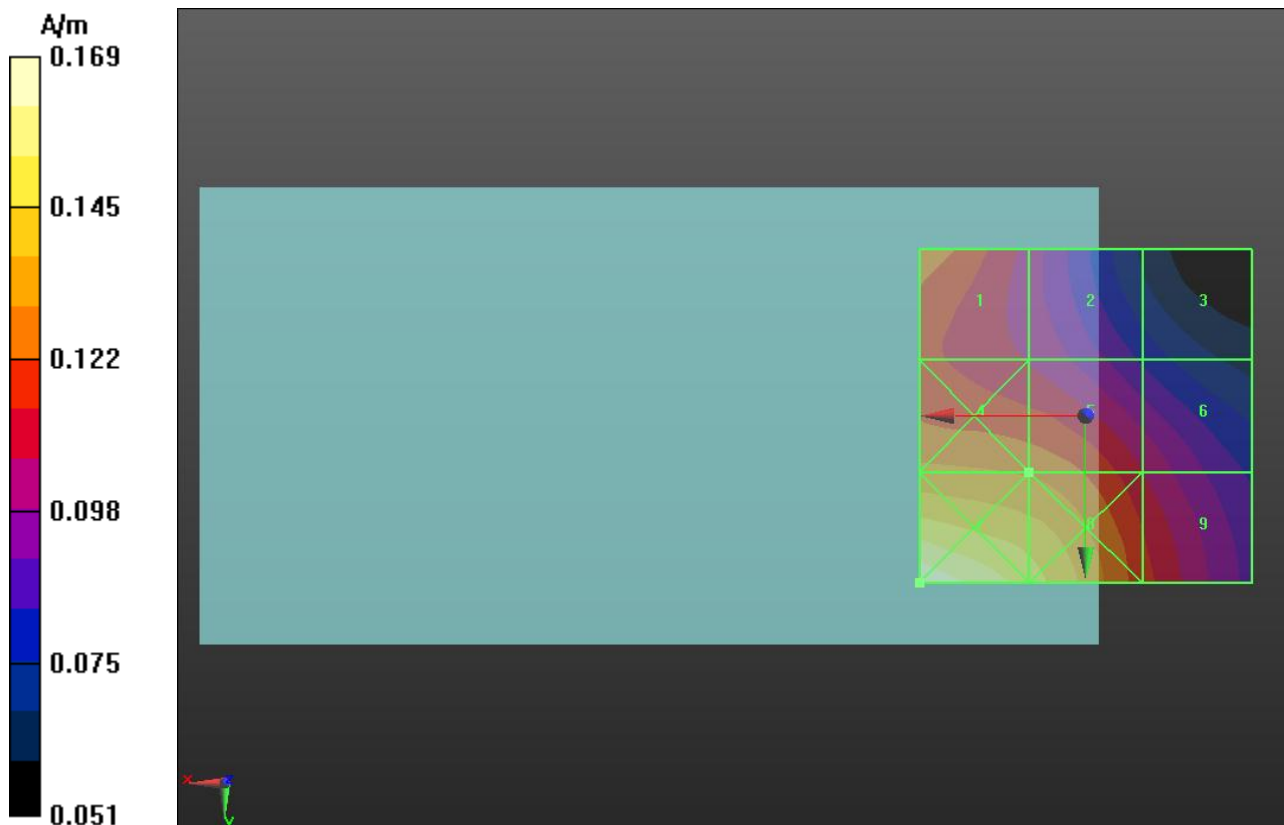
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.043 A/m; Power Drift = -0.02 dB

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

Peak H-field in A/m

Grid 1 0.129 M4	Grid 2 0.106 M4	Grid 3 0.081 M4
Grid 4 0.133 M4	Grid 5 0.129 M4	Grid 6 0.107 M4
Grid 7 0.169 M3	Grid 8 0.149 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.139 A/m

Probe Modulation Factor = 2.840

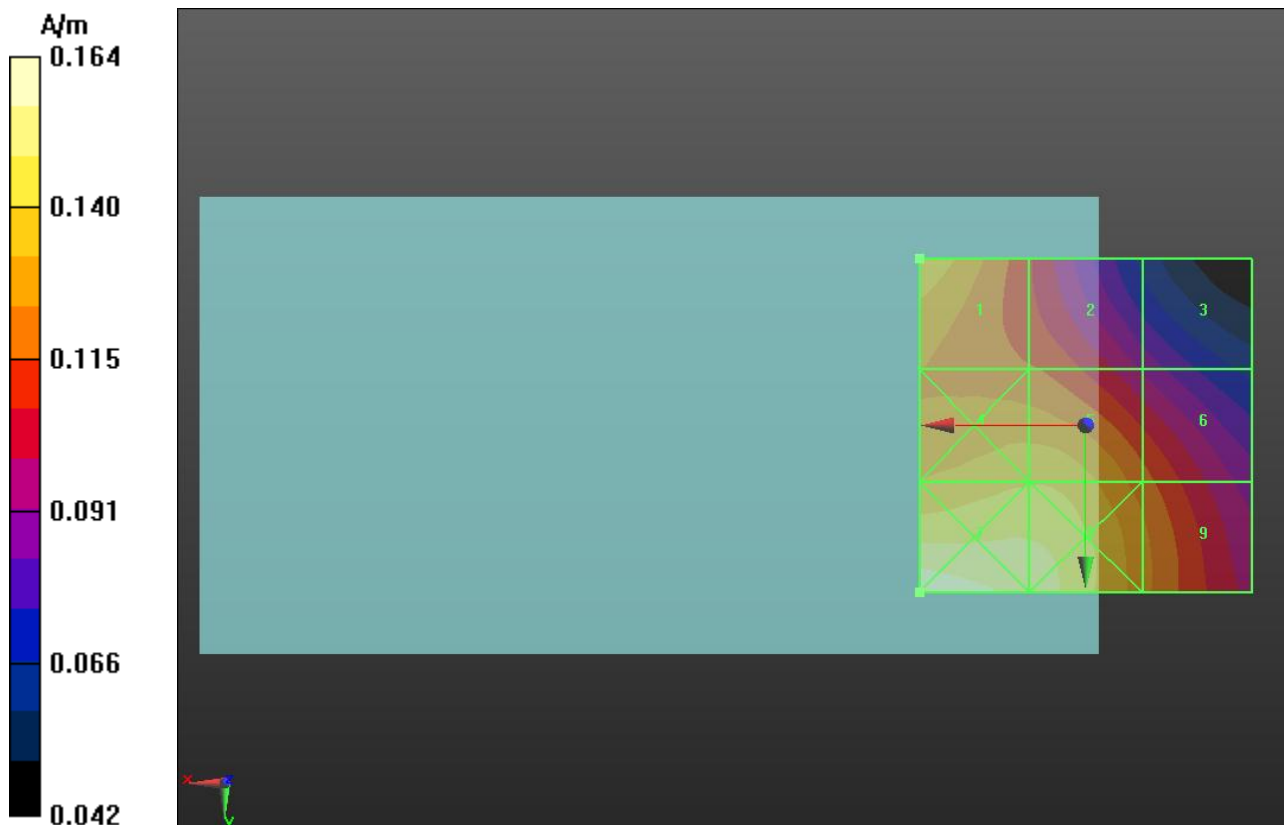
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.048 A/m; Power Drift = -0.0017 dB

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

Peak H-field in A/m

Grid 1 0.139 M4	Grid 2 0.116 M4	Grid 3 0.090 M4
Grid 4 0.139 M4	Grid 5 0.139 M4	Grid 6 0.119 M4
Grid 7 0.164 M3	Grid 8 0.153 M3	Grid 9 0.127 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.146 A/m

Probe Modulation Factor = 2.840

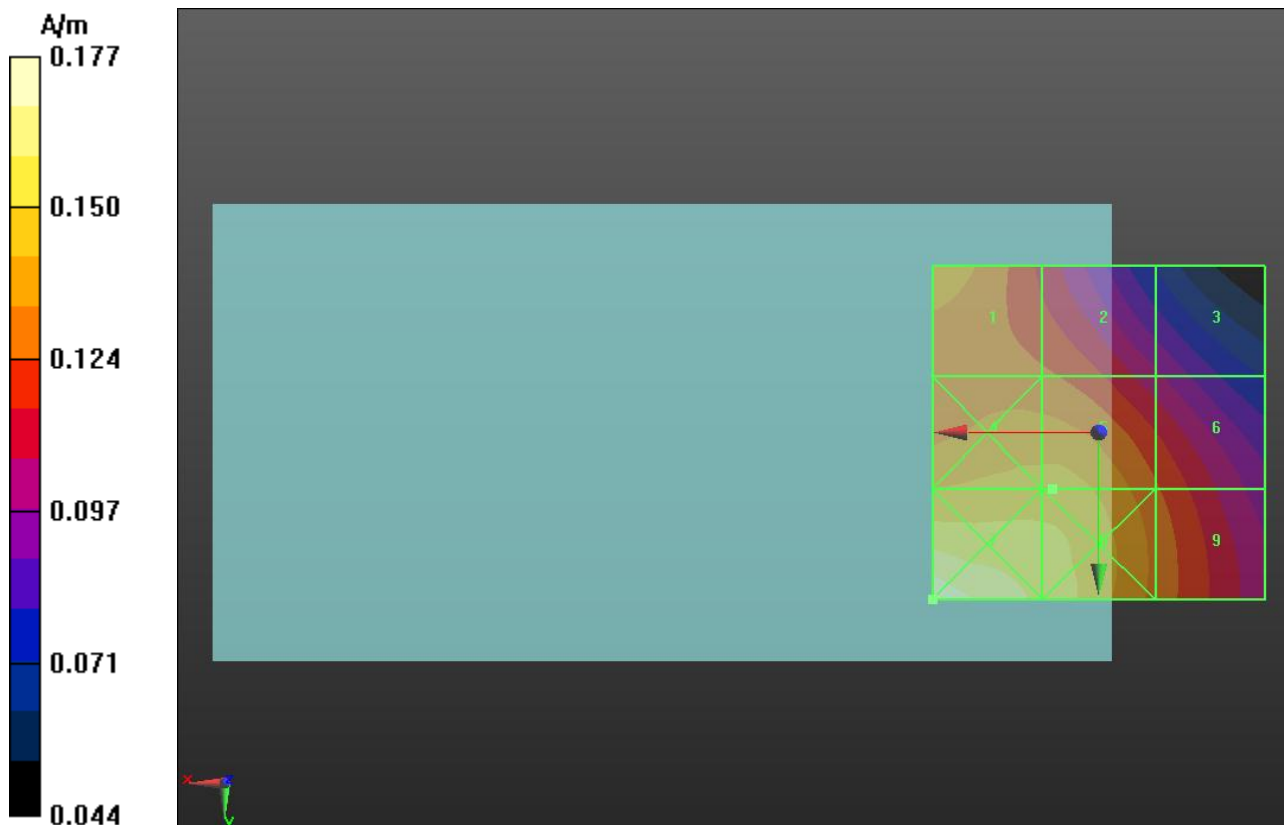
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.051 A/m; Power Drift = 0.06 dB

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

Peak H-field in A/m

Grid 1 0.140 M3	Grid 2 0.126 M4	Grid 3 0.100 M4
Grid 4 0.146 M3	Grid 5 0.146 M3	Grid 6 0.125 M4
Grid 7 0.177 M3	Grid 8 0.157 M3	Grid 9 0.131 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/L ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.058 A/m

Probe Modulation Factor = 0.950

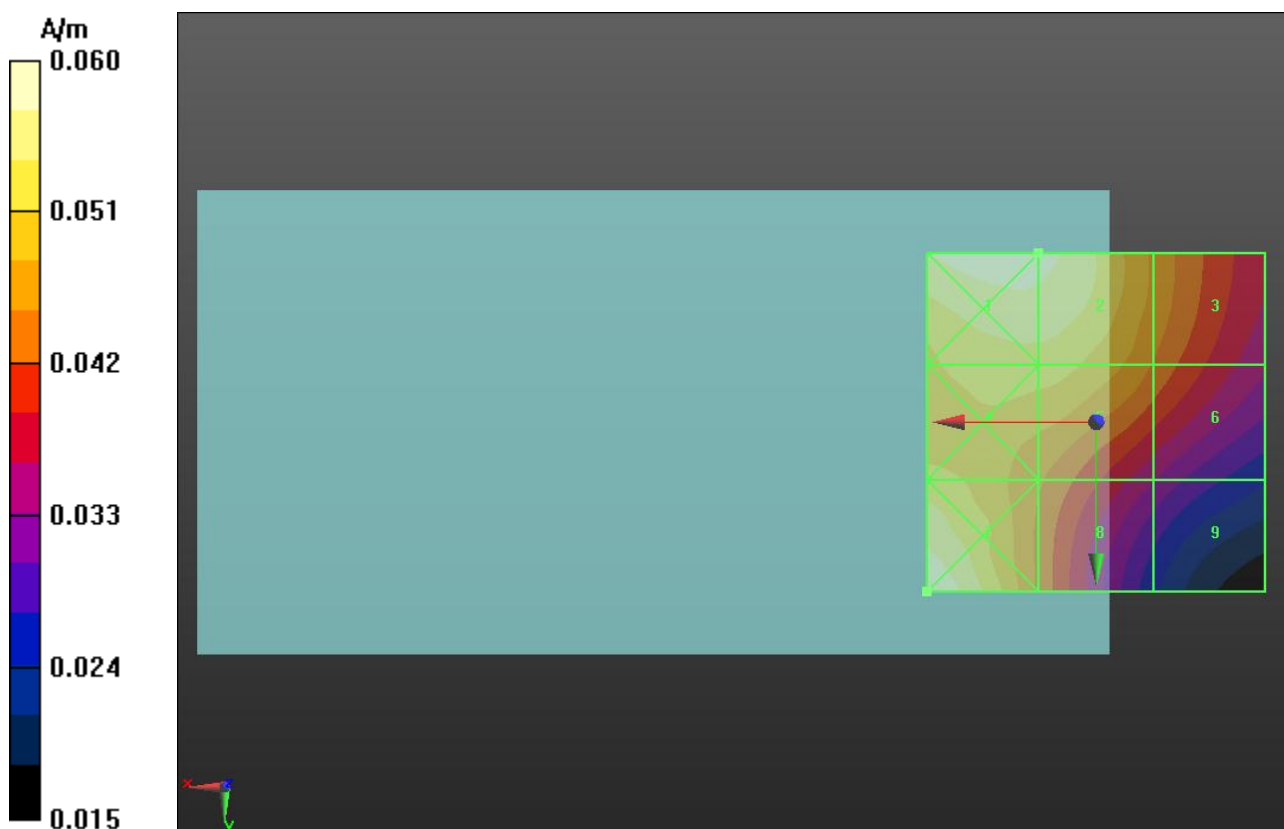
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.051 A/m; Power Drift = -0.04 dB

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

Peak H-field in A/m

Grid 1 0.059 M4	Grid 2 0.058 M4	Grid 3 0.047 M4
Grid 4 0.053 M4	Grid 5 0.053 M4	Grid 6 0.045 M4
Grid 7 0.060 M4	Grid 8 0.046 M4	Grid 9 0.033 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/M ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.063 A/m

Probe Modulation Factor = 0.950

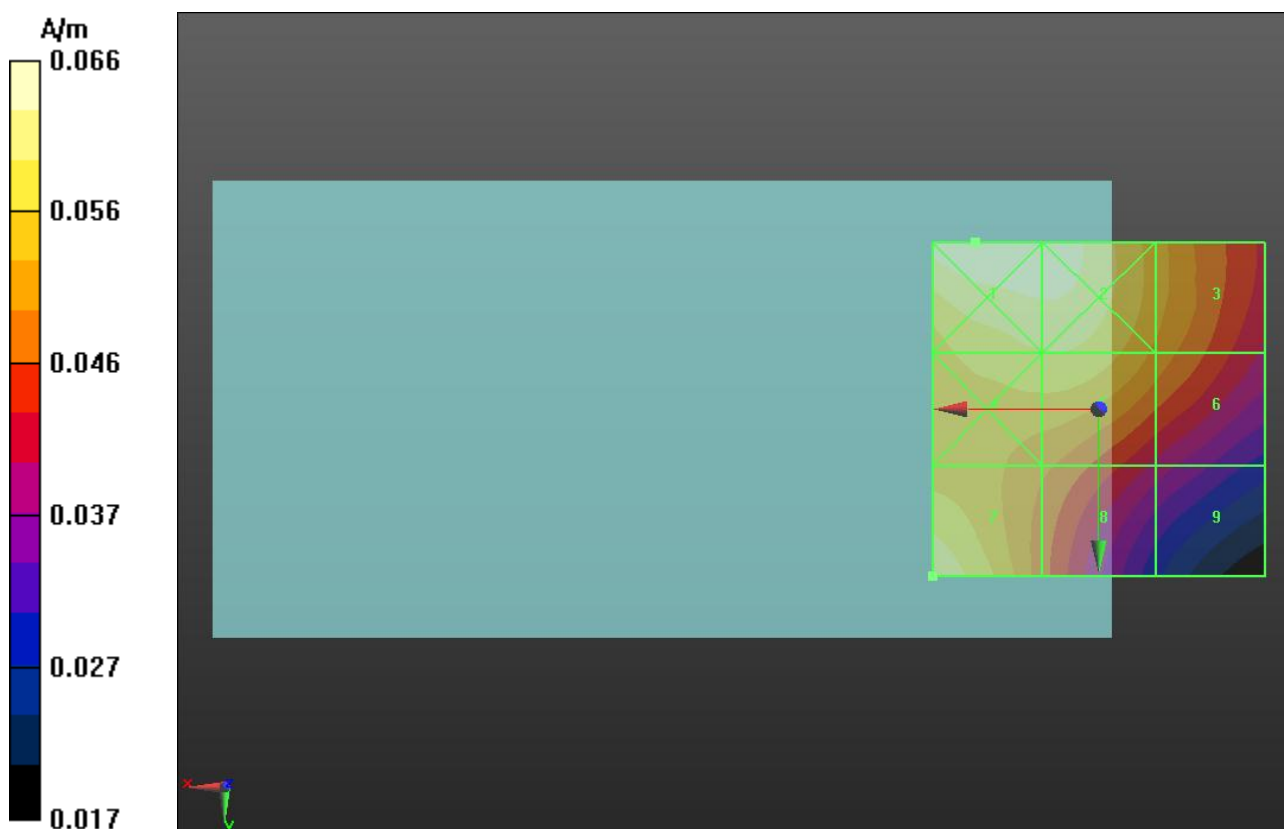
Device Reference Point: 0, 0, -6.3 mm

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 0.066 M4	Grid 2 0.065 M4	Grid 3 0.055 M4
Grid 4 0.059 M4	Grid 5 0.059 M4	Grid 6 0.052 M4
Grid 7 0.063 M4	Grid 8 0.051 M4	Grid 9 0.039 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/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 = 0.950

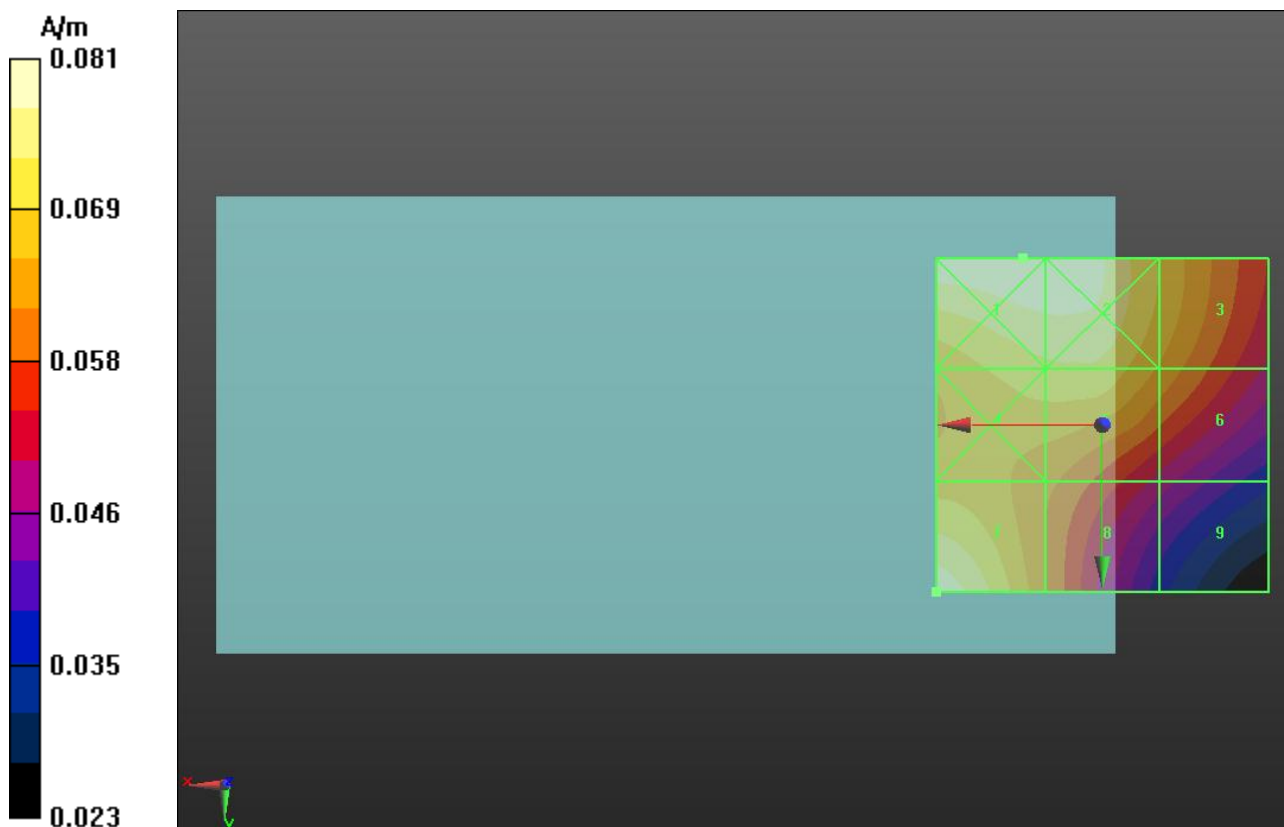
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.072 A/m; Power Drift = -0.04 dB

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

Peak H-field in A/m

Grid 1 0.081 M4	Grid 2 0.080 M4	Grid 3 0.069 M4
Grid 4 0.072 M4	Grid 5 0.073 M4	Grid 6 0.065 M4
Grid 7 0.080 M4	Grid 8 0.063 M4	Grid 9 0.049 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.089 A/m

Probe Modulation Factor = 0.960

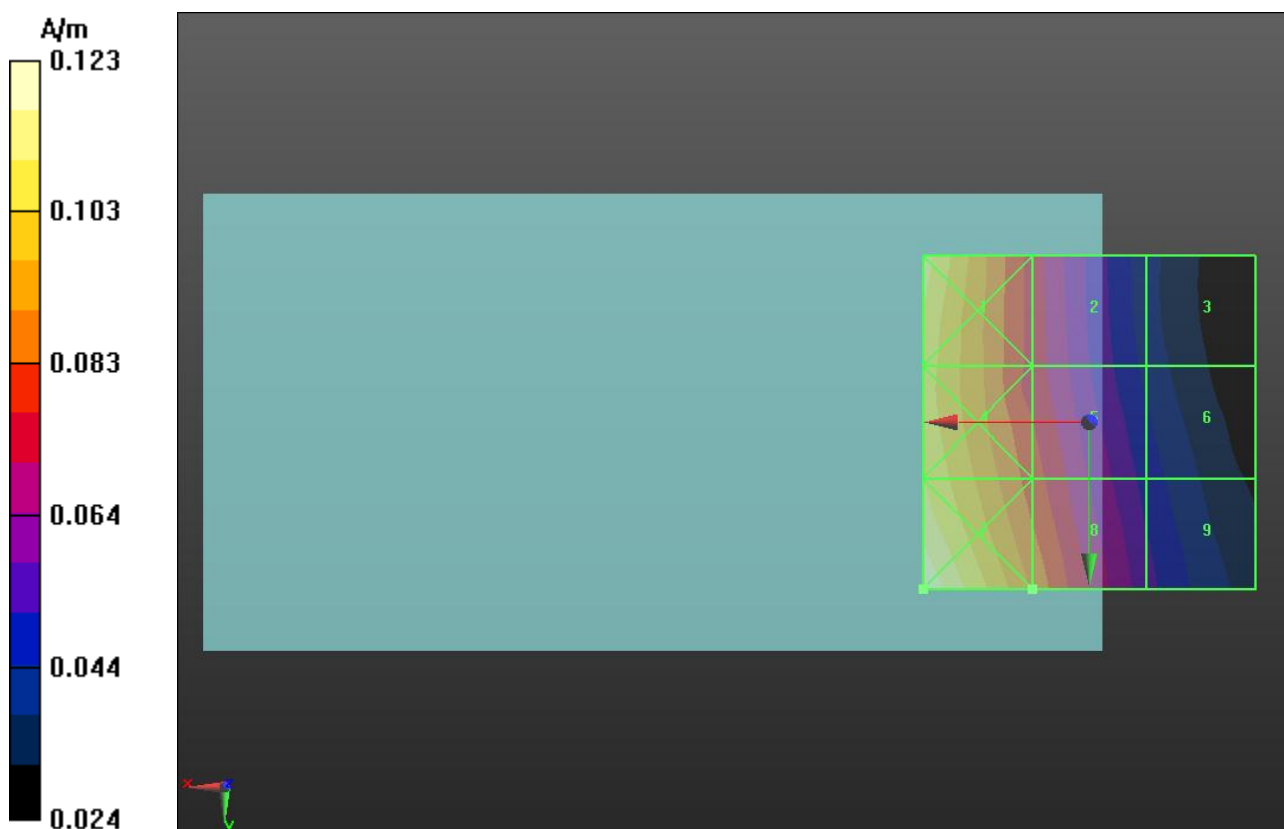
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.066 A/m; Power Drift = -0.10 dB

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

Peak H-field in A/m

Grid 1 0.113 M4	Grid 2 0.074 M4	Grid 3 0.042 M4
Grid 4 0.110 M4	Grid 5 0.080 M4	Grid 6 0.048 M4
Grid 7 0.123 M4	Grid 8 0.089 M4	Grid 9 0.053 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/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

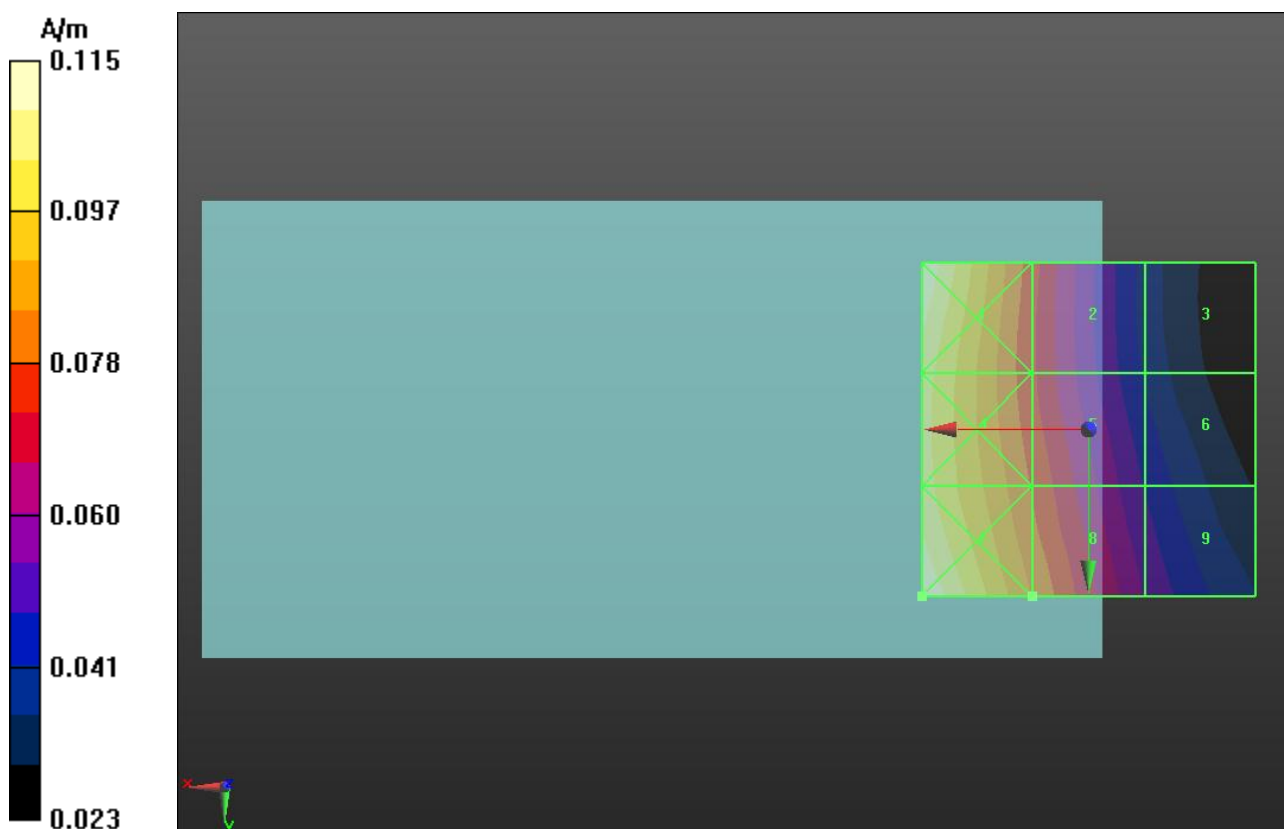
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.064 A/m; Power Drift = -0.02 dB

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

Peak H-field in A/m

Grid 1 0.115 M4	Grid 2 0.075 M4	Grid 3 0.041 M4
Grid 4 0.106 M4	Grid 5 0.078 M4	Grid 6 0.047 M4
Grid 7 0.115 M4	Grid 8 0.084 M4	Grid 9 0.053 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.081 A/m

Probe Modulation Factor = 0.960

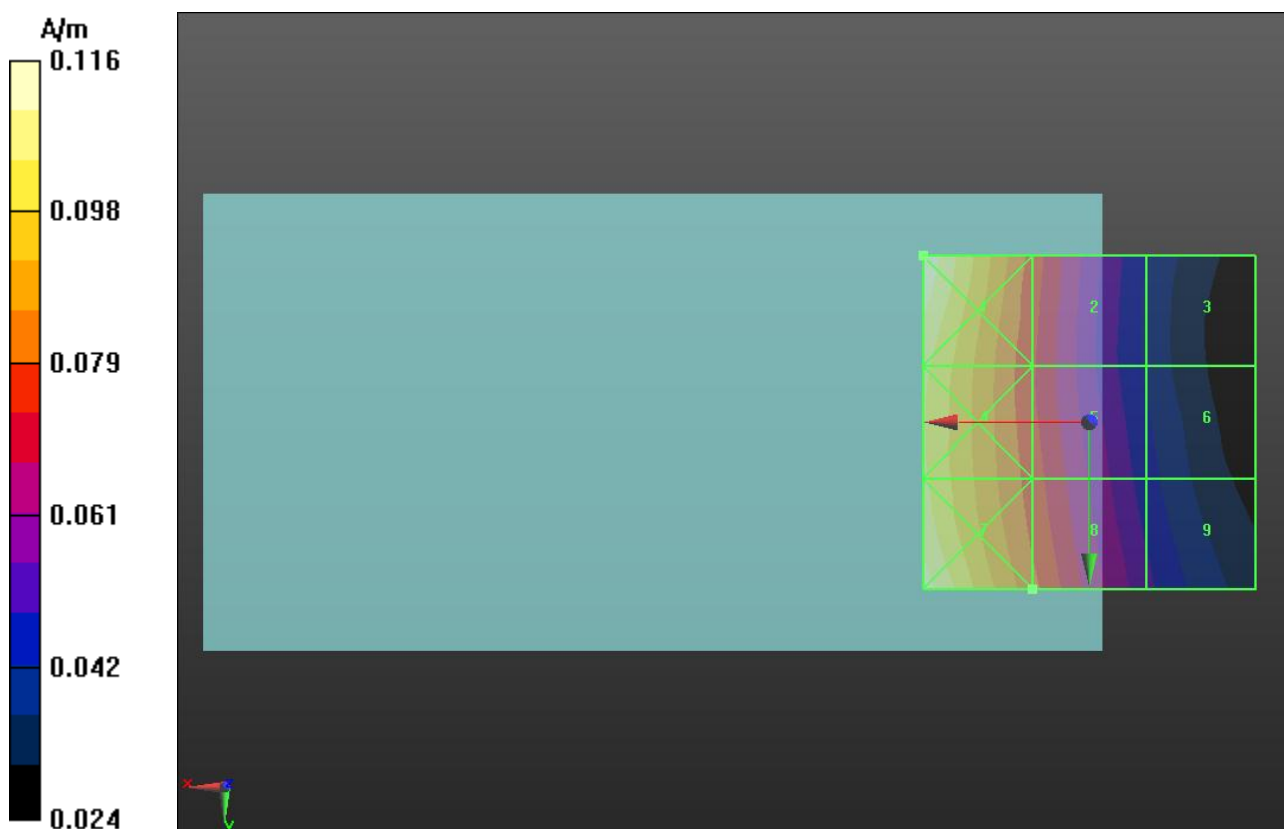
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = -0.0048 dB

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

Peak H-field in A/m

Grid 1 0.116 M4	Grid 2 0.077 M4	Grid 3 0.043 M4
Grid 4 0.106 M4	Grid 5 0.076 M4	Grid 6 0.046 M4
Grid 7 0.114 M4	Grid 8 0.081 M4	Grid 9 0.051 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.065 A/m

Probe Modulation Factor = 0.980

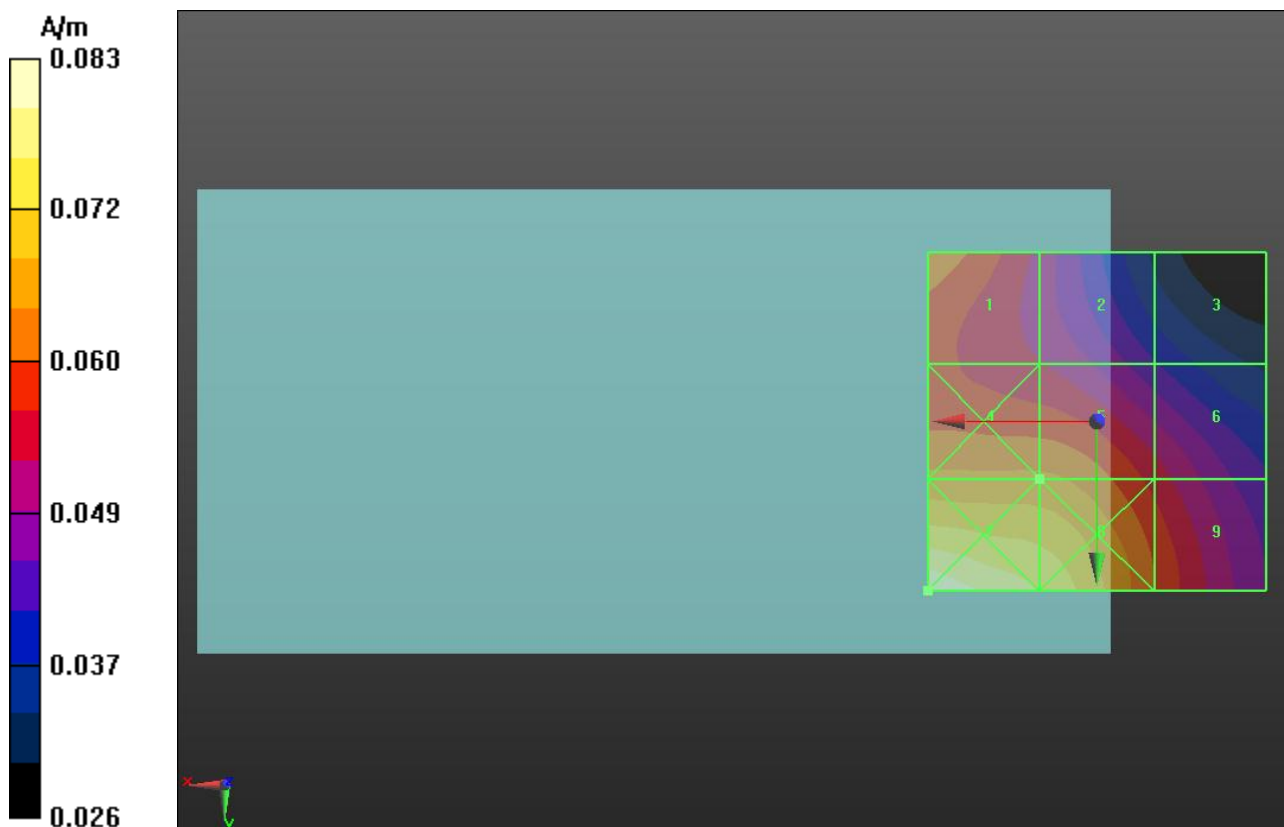
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.065 A/m; Power Drift = -0.04 dB

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

Peak H-field in A/m

Grid 1 0.064 M4	Grid 2 0.053 M4	Grid 3 0.042 M4
Grid 4 0.065 M4	Grid 5 0.065 M4	Grid 6 0.055 M4
Grid 7 0.083 M4	Grid 8 0.075 M4	Grid 9 0.060 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.073 A/m

Probe Modulation Factor = 0.980

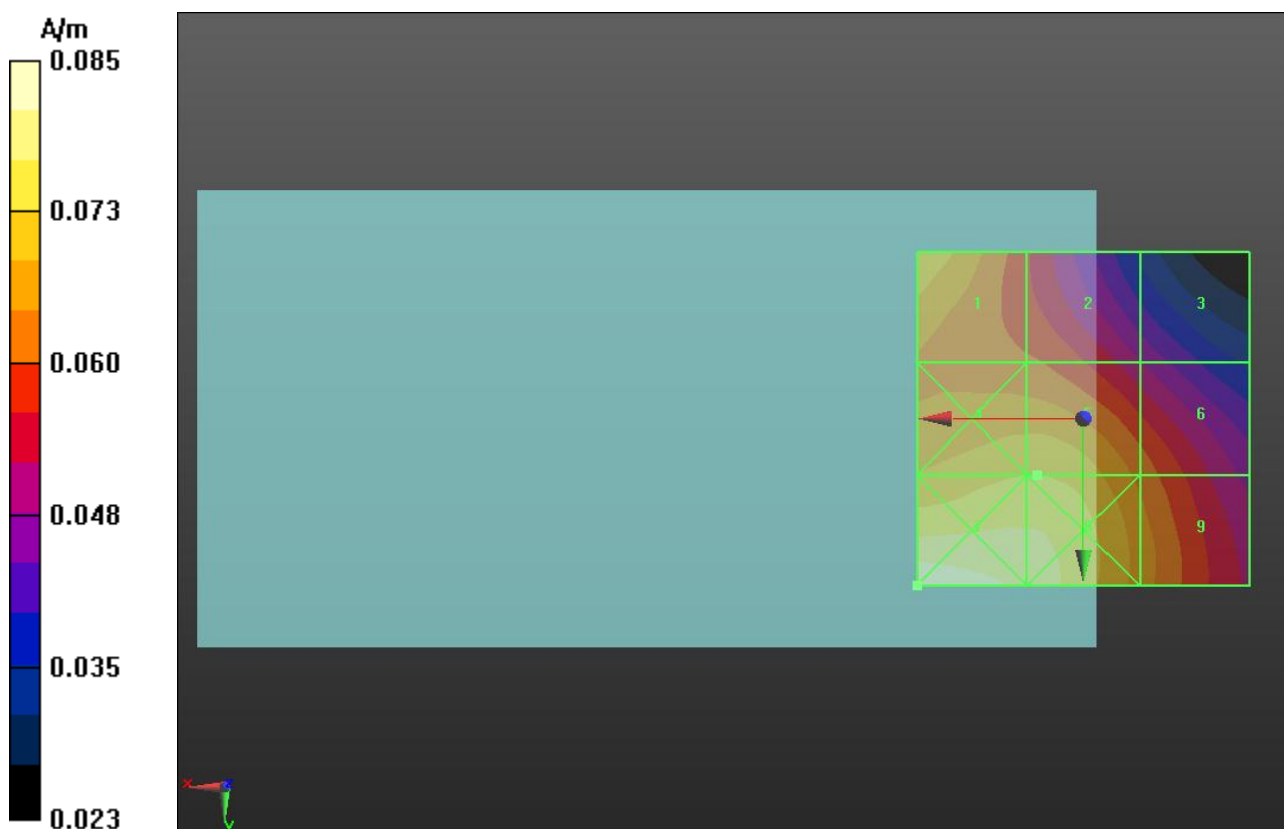
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = -0.00083 dB

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

Peak H-field in A/m

Grid 1 0.073 M4	Grid 2 0.061 M4	Grid 3 0.048 M4
Grid 4 0.073 M4	Grid 5 0.073 M4	Grid 6 0.063 M4
Grid 7 0.085 M4	Grid 8 0.080 M4	Grid 9 0.067 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.072 A/m

Probe Modulation Factor = 0.980

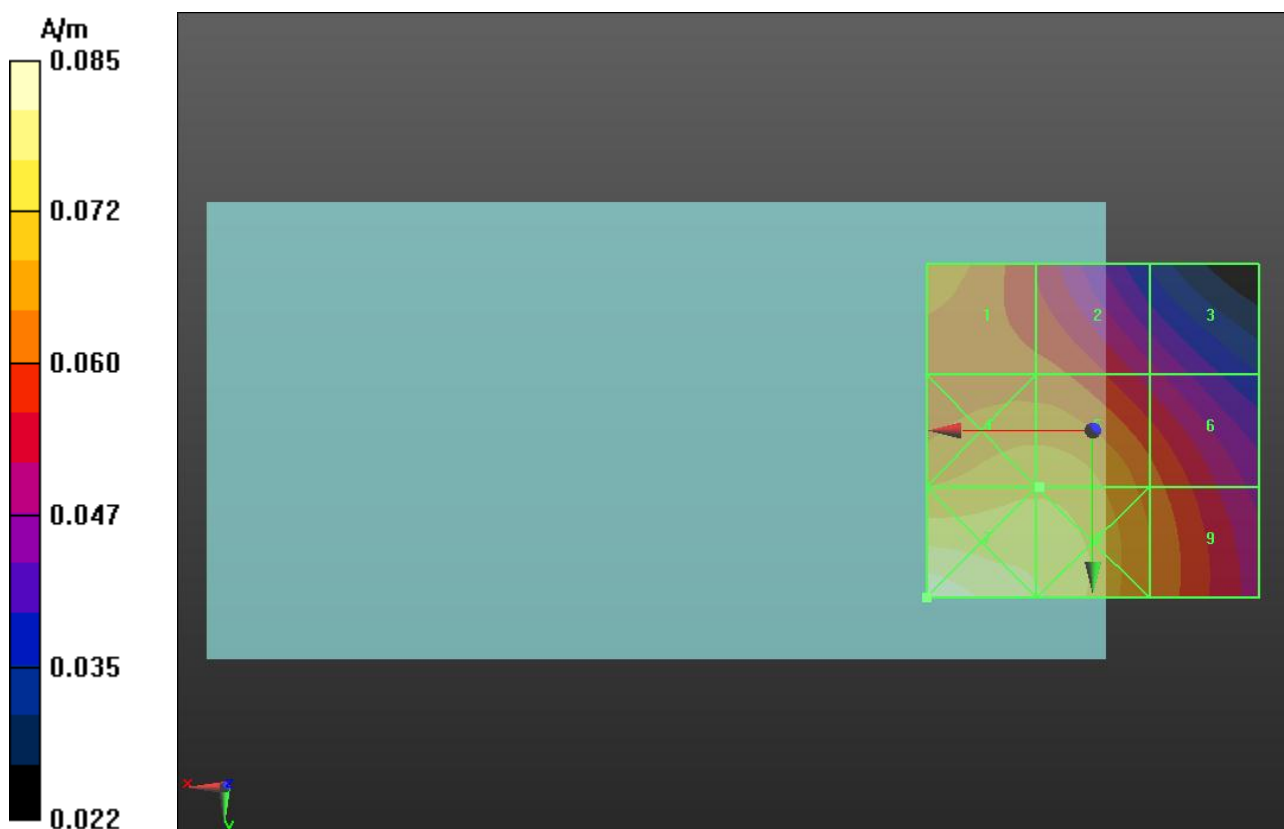
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = 0.0063 dB

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

Peak H-field in A/m

Grid 1 0.069 M4	Grid 2 0.062 M4	Grid 3 0.049 M4
Grid 4 0.072 M4	Grid 5 0.072 M4	Grid 6 0.062 M4
Grid 7 0.085 M4	Grid 8 0.077 M4	Grid 9 0.064 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.245 A/m

Probe Modulation Factor = 2.790

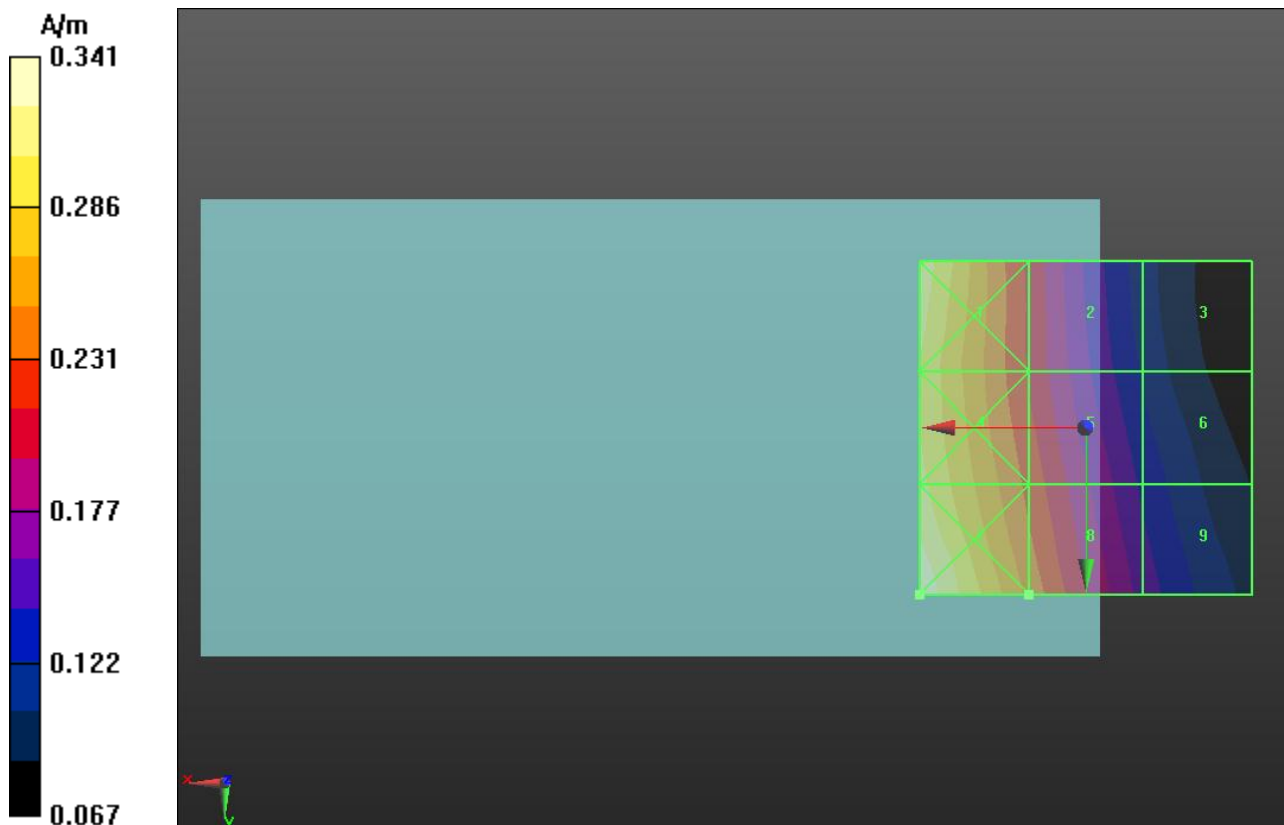
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.318 M4	Grid 2 0.212 M4	Grid 3 0.121 M4
Grid 4 0.312 M4	Grid 5 0.226 M4	Grid 6 0.137 M4
Grid 7 0.341 M4	Grid 8 0.245 M4	Grid 9 0.152 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.233 A/m

Probe Modulation Factor = 2.790

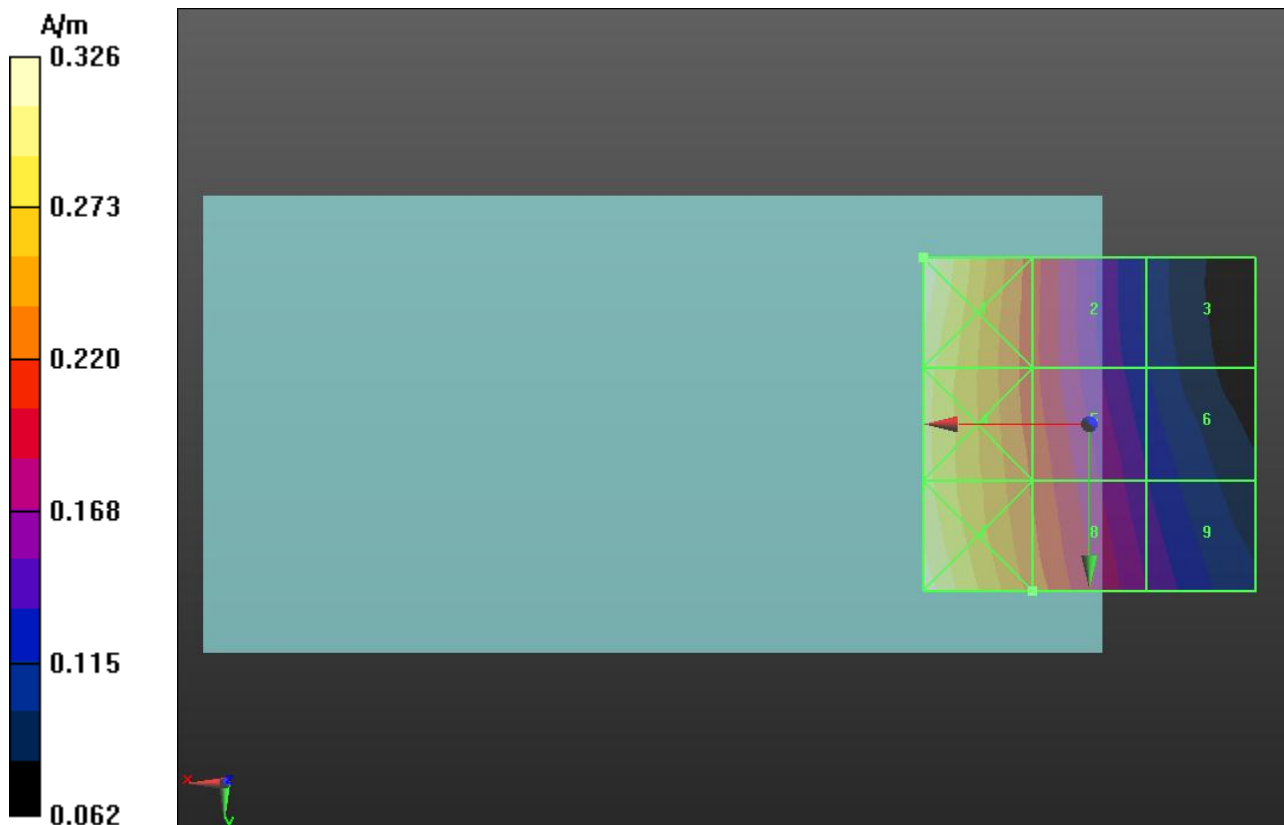
Device Reference Point: 0, 0, -6.3 mm

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

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

Peak H-field in A/m

Grid 1 0.326 M4	Grid 2 0.211 M4	Grid 3 0.117 M4
Grid 4 0.302 M4	Grid 5 0.218 M4	Grid 6 0.135 M4
Grid 7 0.322 M4	Grid 8 0.233 M4	Grid 9 0.151 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.215 A/m

Probe Modulation Factor = 2.790

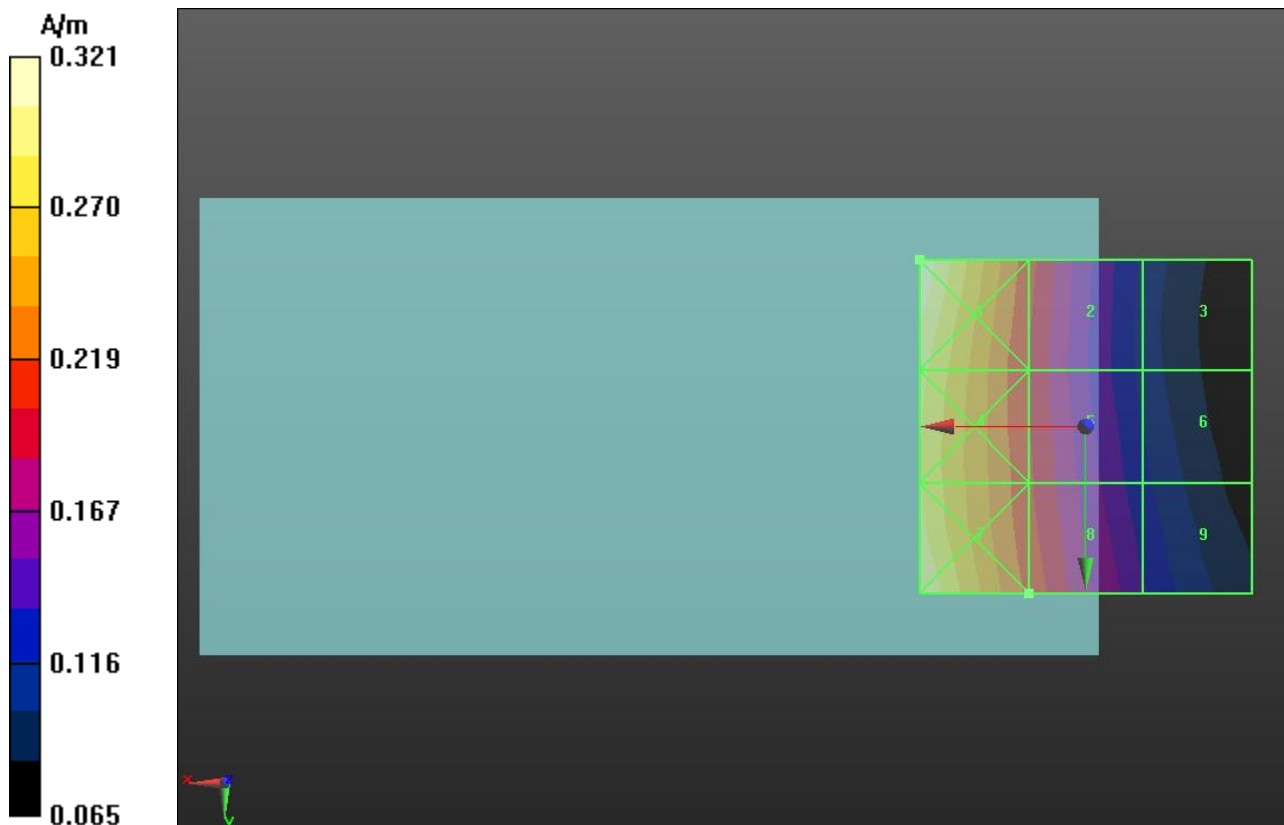
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = -0.13 dB

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

Peak H-field in A/m

Grid 1 0.321 M4	Grid 2 0.208 M4	Grid 3 0.115 M4
Grid 4 0.294 M4	Grid 5 0.205 M4	Grid 6 0.123 M4
Grid 7 0.309 M4	Grid 8 0.215 M4	Grid 9 0.137 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.128 A/m

Probe Modulation Factor = 2.840

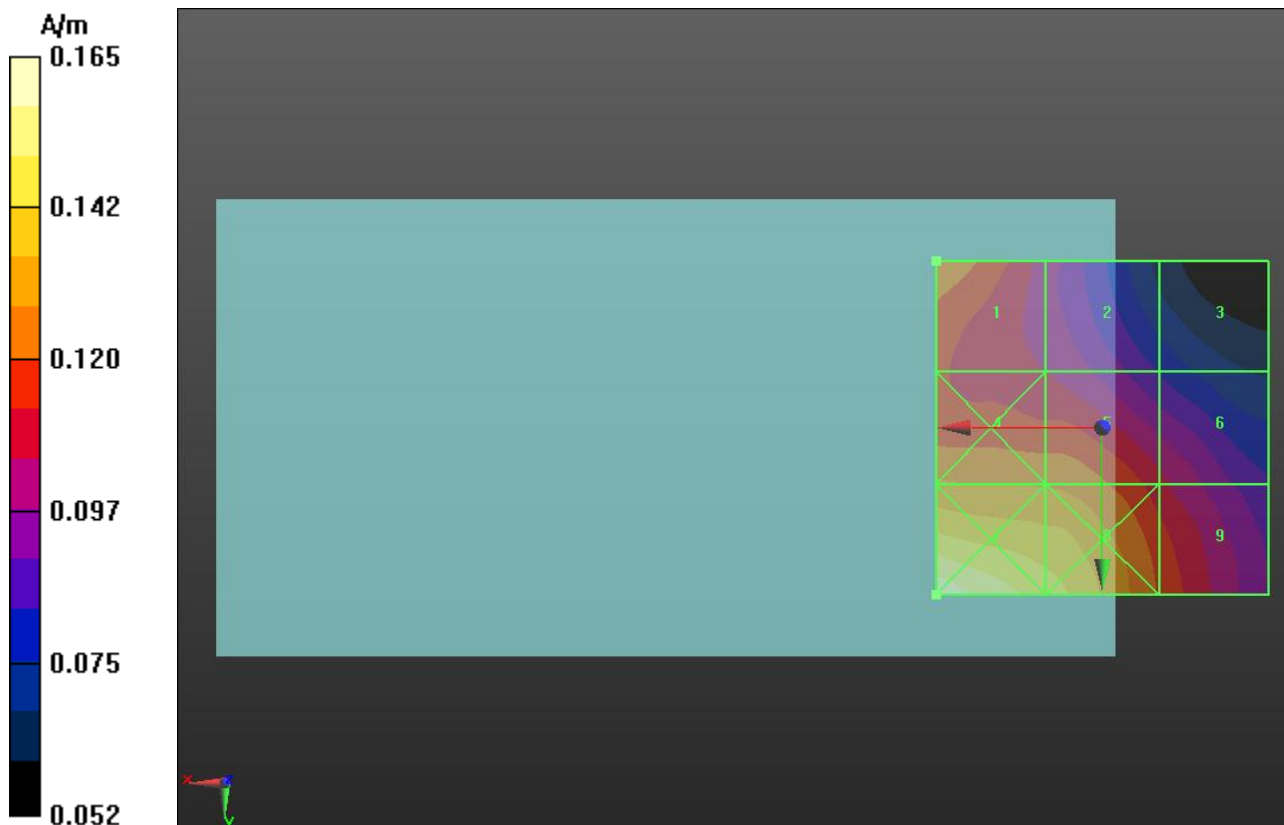
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.043 A/m; Power Drift = -0.03 dB

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

Peak H-field in A/m

Grid 1 0.128 M4	Grid 2 0.105 M4	Grid 3 0.082 M4
Grid 4 0.129 M4	Grid 5 0.127 M4	Grid 6 0.108 M4
Grid 7 0.165 M3	Grid 8 0.146 M3	Grid 9 0.119 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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 = 0.140 A/m

Probe Modulation Factor = 2.840

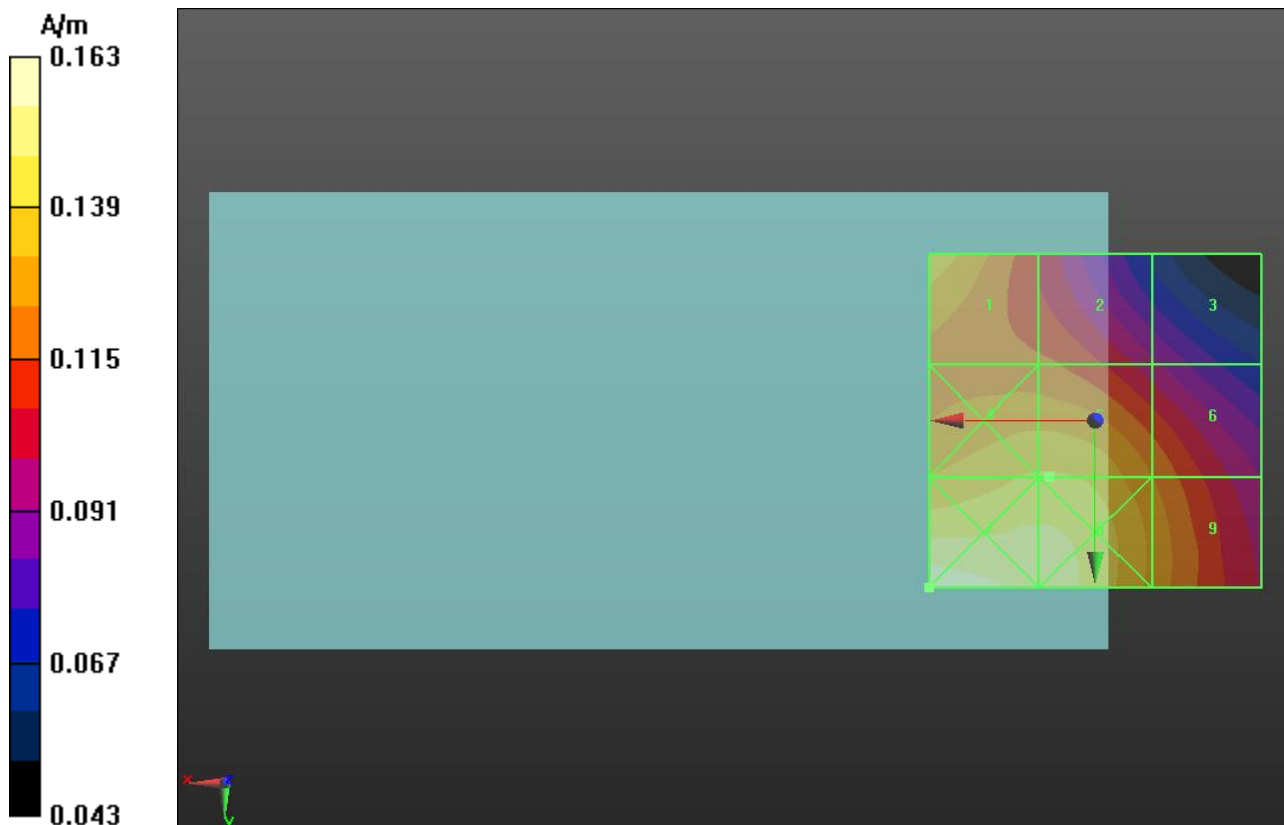
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.050 A/m; Power Drift = 0.04 dB

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

Peak H-field in A/m

Grid 1 0.138 M4	Grid 2 0.117 M4	Grid 3 0.094 M4
Grid 4 0.140 M3	Grid 5 0.140 M3	Grid 6 0.123 M4
Grid 7 0.163 M3	Grid 8 0.151 M3	Grid 9 0.129 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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

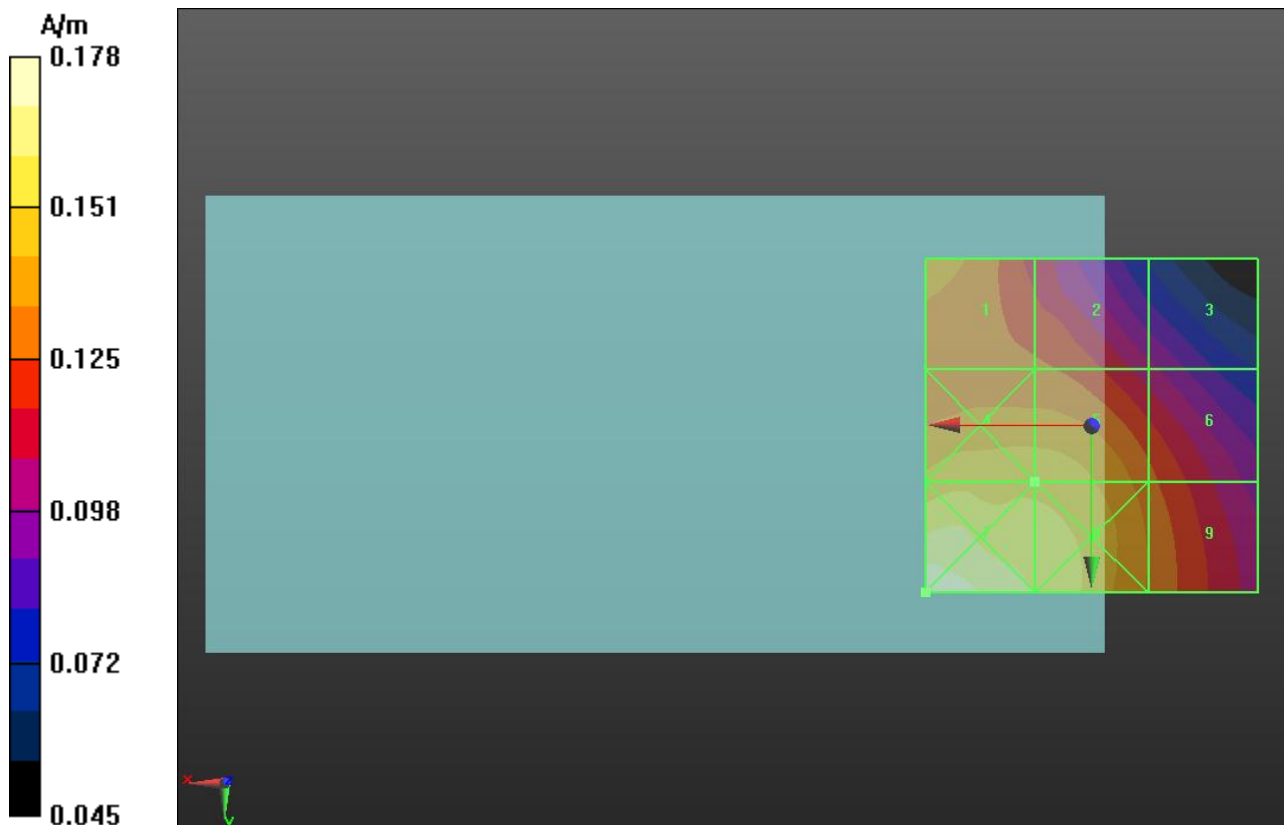
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.052 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.140 M3	Grid 2 0.127 M4	Grid 3 0.102 M4
Grid 4 0.149 M3	Grid 5 0.149 M3	Grid 6 0.128 M4
Grid 7 0.178 M3	Grid 8 0.160 M3	Grid 9 0.134 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/L ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.057 A/m

Probe Modulation Factor = 0.950

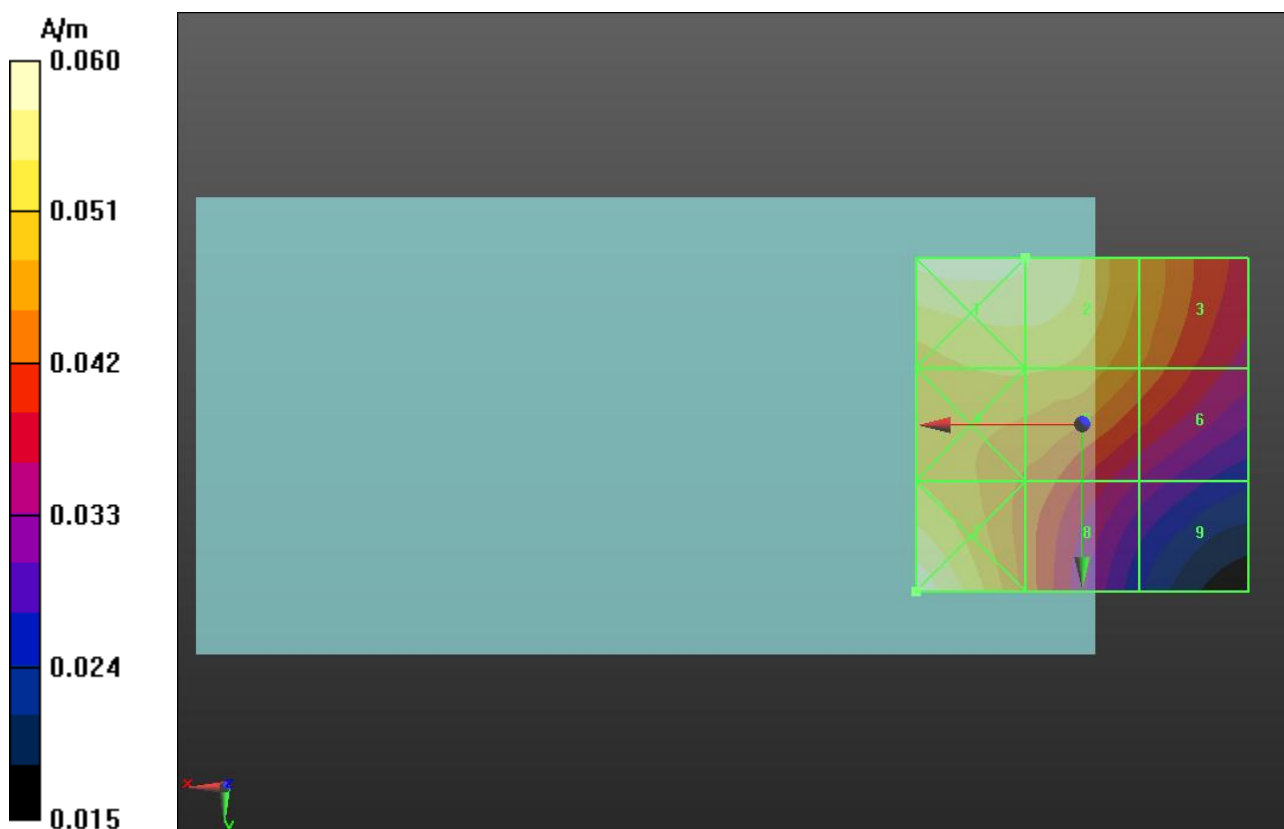
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.051 A/m; Power Drift = 0.13 dB

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

Peak H-field in A/m

Grid 1 0.058 M4	Grid 2 0.057 M4	Grid 3 0.048 M4
Grid 4 0.052 M4	Grid 5 0.052 M4	Grid 6 0.045 M4
Grid 7 0.060 M4	Grid 8 0.045 M4	Grid 9 0.033 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/M ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.061 A/m

Probe Modulation Factor = 0.950

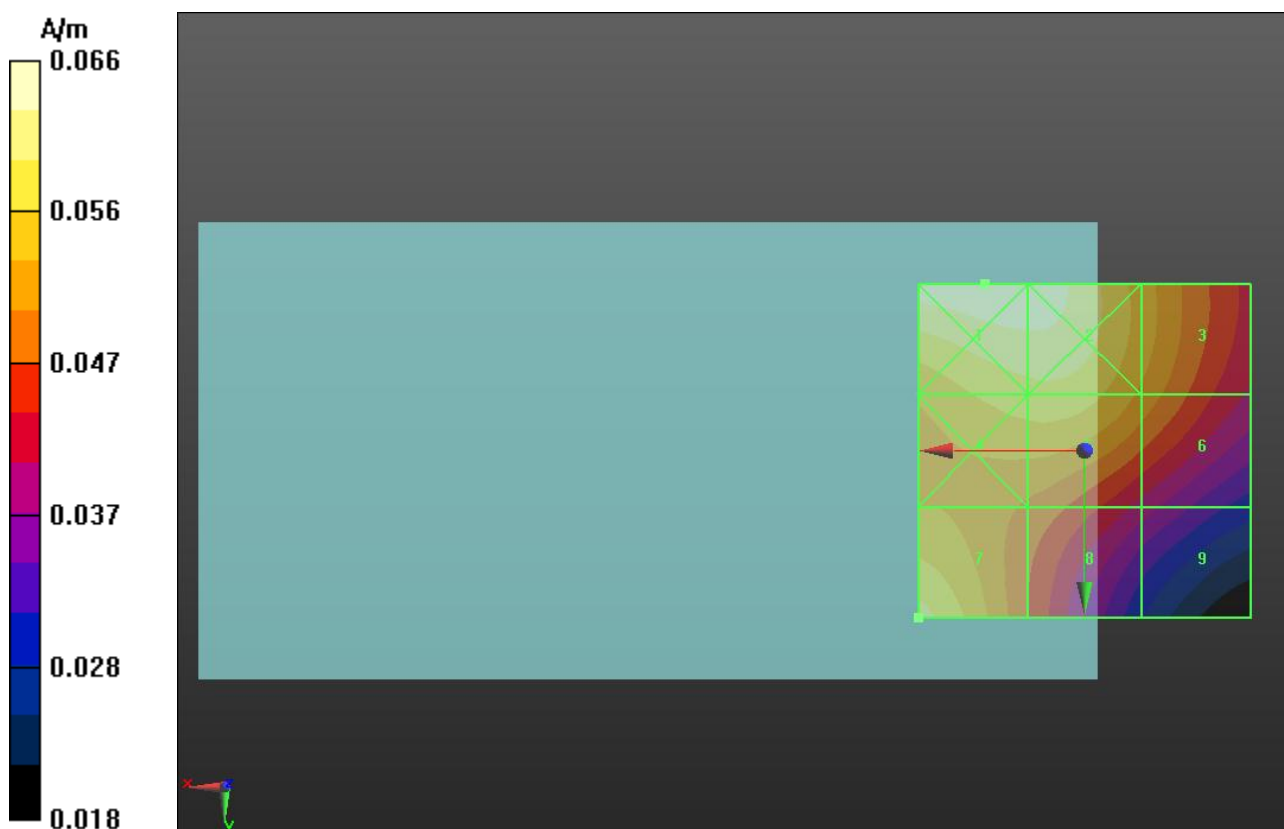
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.059 A/m; Power Drift = 0.0082 dB

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

Peak H-field in A/m

Grid 1 0.066 M4	Grid 2 0.065 M4	Grid 3 0.055 M4
Grid 4 0.058 M4	Grid 5 0.059 M4	Grid 6 0.052 M4
Grid 7 0.061 M4	Grid 8 0.049 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: 1907.6 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, R99 RMC 12.2kbps/H ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.077 A/m

Probe Modulation Factor = 0.950

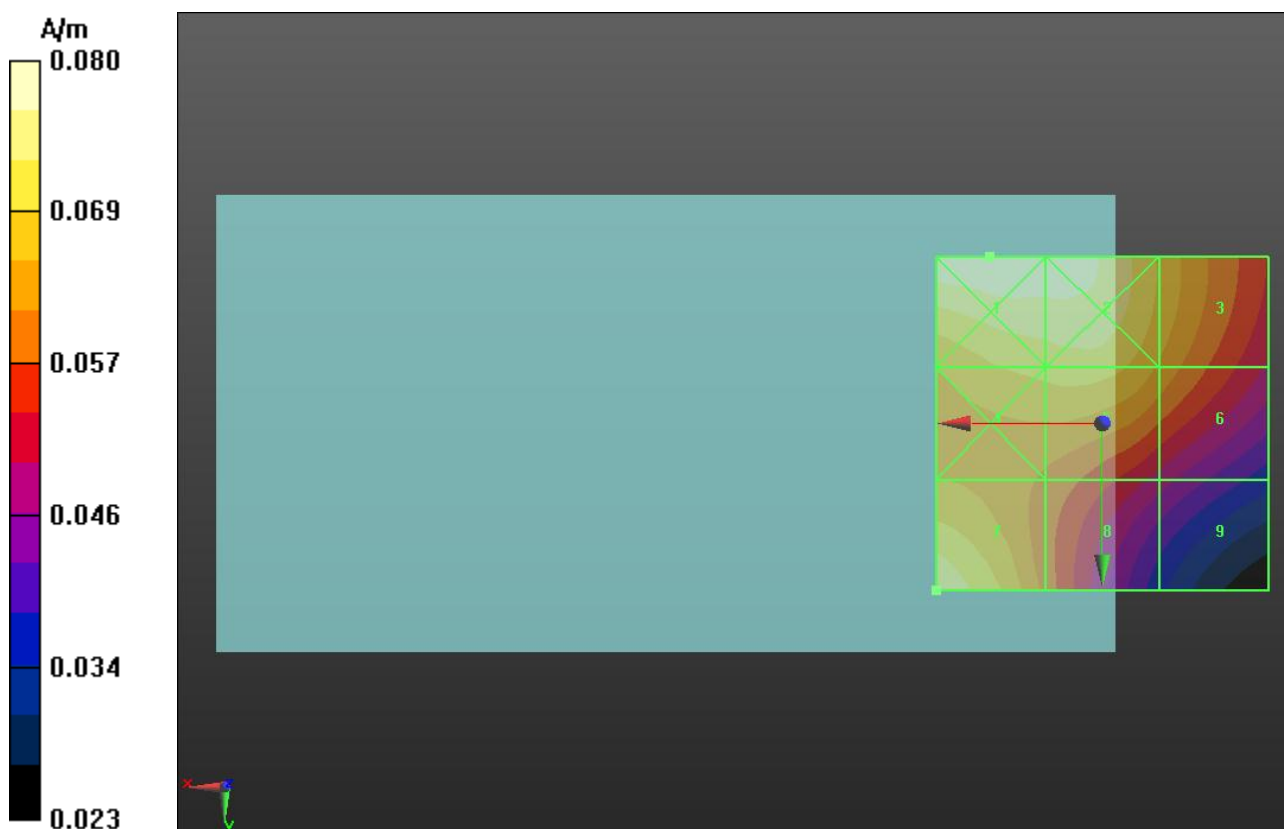
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.071 A/m; Power Drift = 0.07 dB

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

Peak H-field in A/m

Grid 1 0.080 M4	Grid 2 0.079 M4	Grid 3 0.068 M4
Grid 4 0.070 M4	Grid 5 0.071 M4	Grid 6 0.064 M4
Grid 7 0.077 M4	Grid 8 0.060 M4	Grid 9 0.048 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.087 A/m

Probe Modulation Factor = 0.960

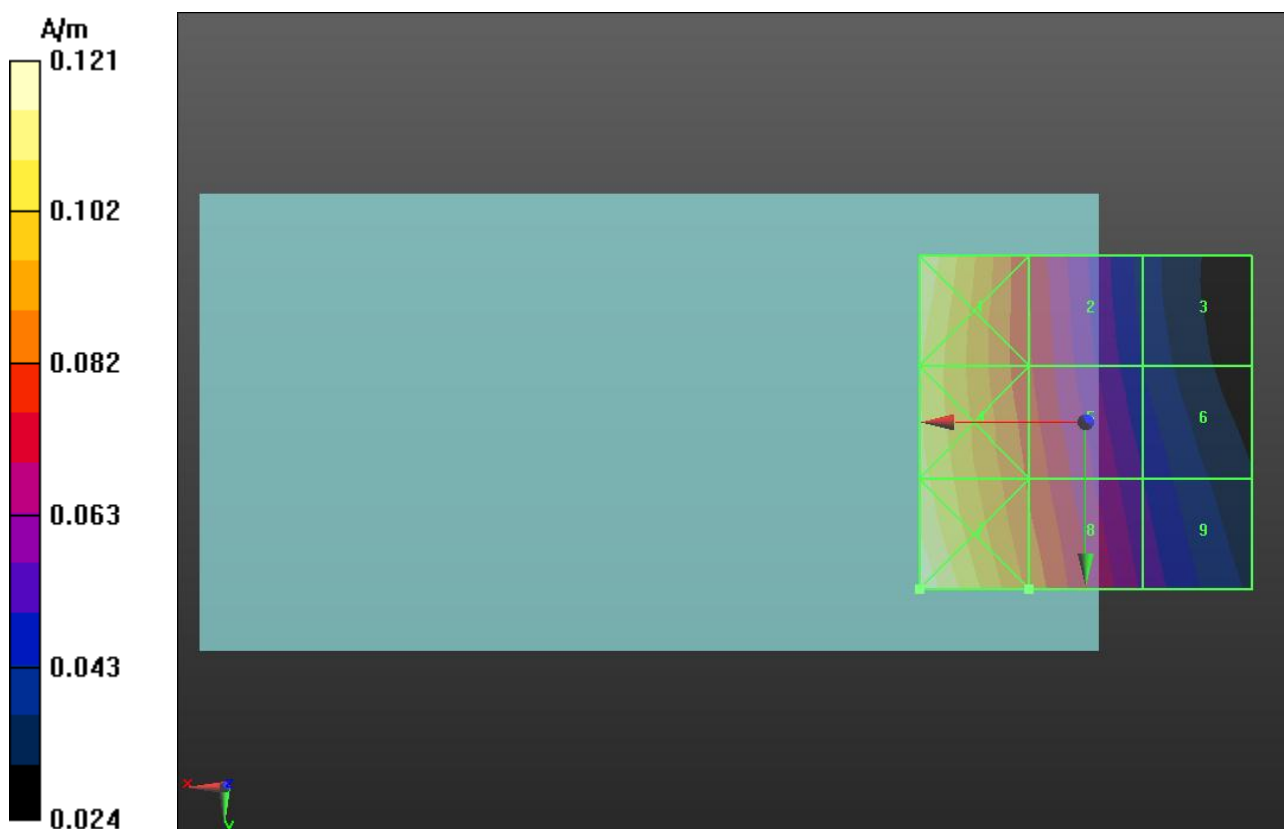
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.068 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

Grid 1 0.115 M4	Grid 2 0.077 M4	Grid 3 0.044 M4
Grid 4 0.111 M4	Grid 5 0.081 M4	Grid 6 0.050 M4
Grid 7 0.121 M4	Grid 8 0.087 M4	Grid 9 0.056 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.085 A/m

Probe Modulation Factor = 0.960

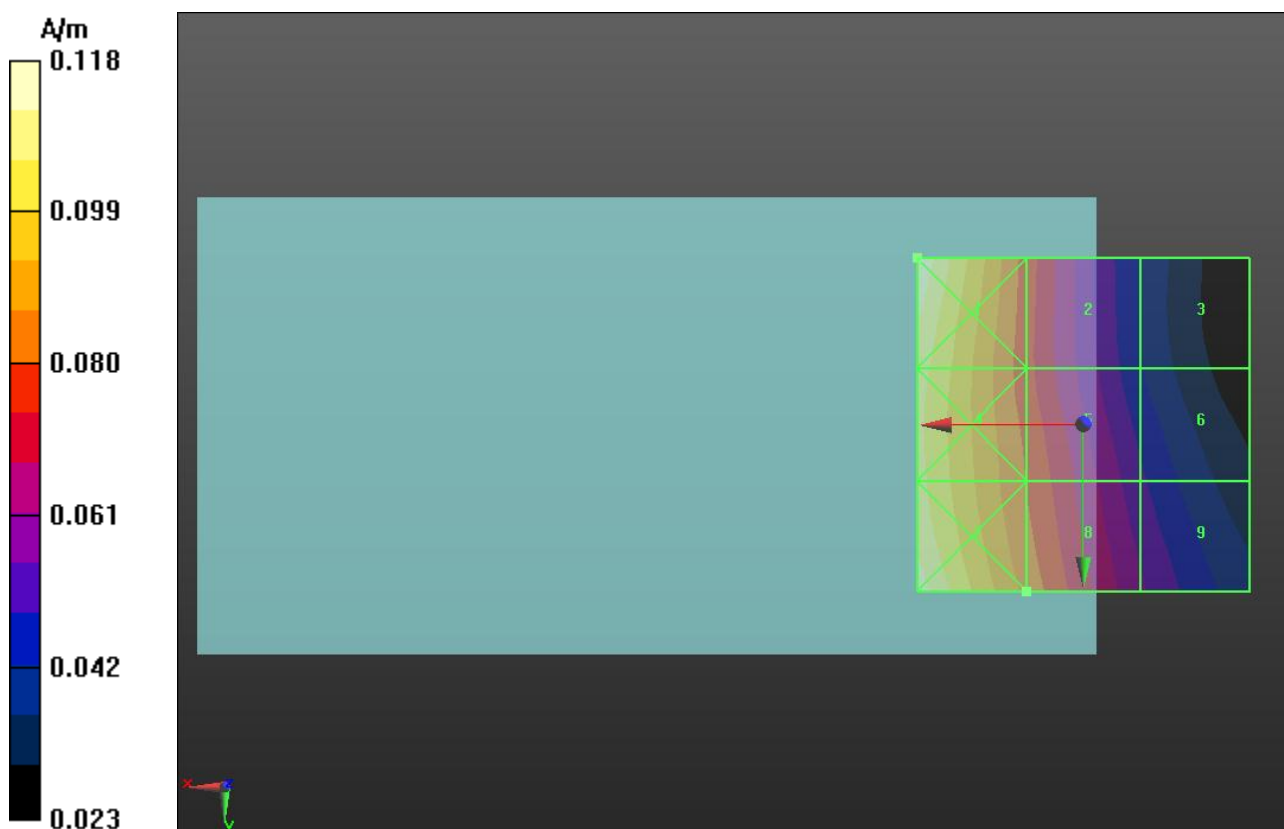
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.068 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.118 M4	Grid 2 0.077 M4	Grid 3 0.043 M4
Grid 4 0.109 M4	Grid 5 0.080 M4	Grid 6 0.050 M4
Grid 7 0.116 M4	Grid 8 0.085 M4	Grid 9 0.056 M4



Test Laboratory: UL CCS SAR Lab C

CDMA BC0 with Wireless Charging Battery Cover

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.082 A/m

Probe Modulation Factor = 0.960

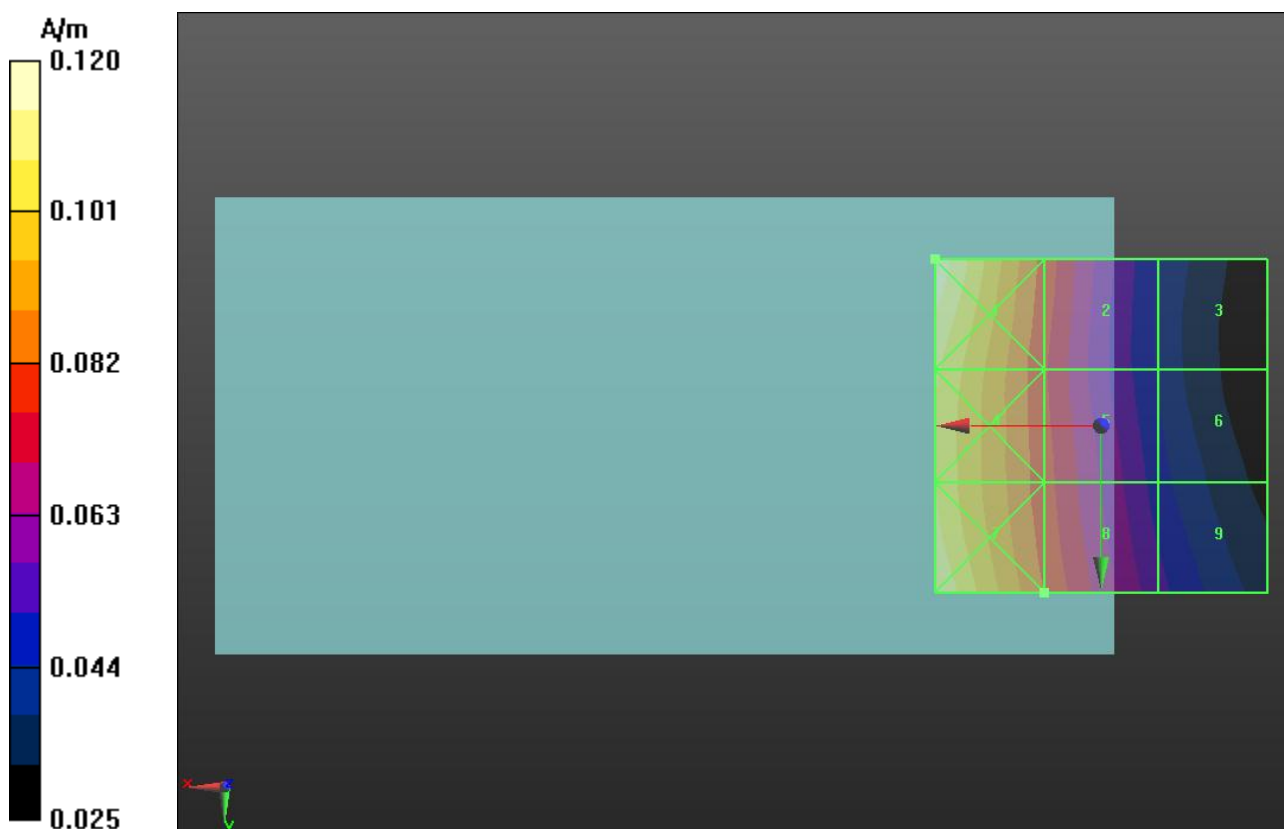
Device Reference Point: 0, 0, -6.3 mm

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 0.120 M4	Grid 2 0.080 M4	Grid 3 0.045 M4
Grid 4 0.109 M4	Grid 5 0.078 M4	Grid 6 0.048 M4
Grid 7 0.115 M4	Grid 8 0.082 M4	Grid 9 0.053 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.065 A/m

Probe Modulation Factor = 0.980

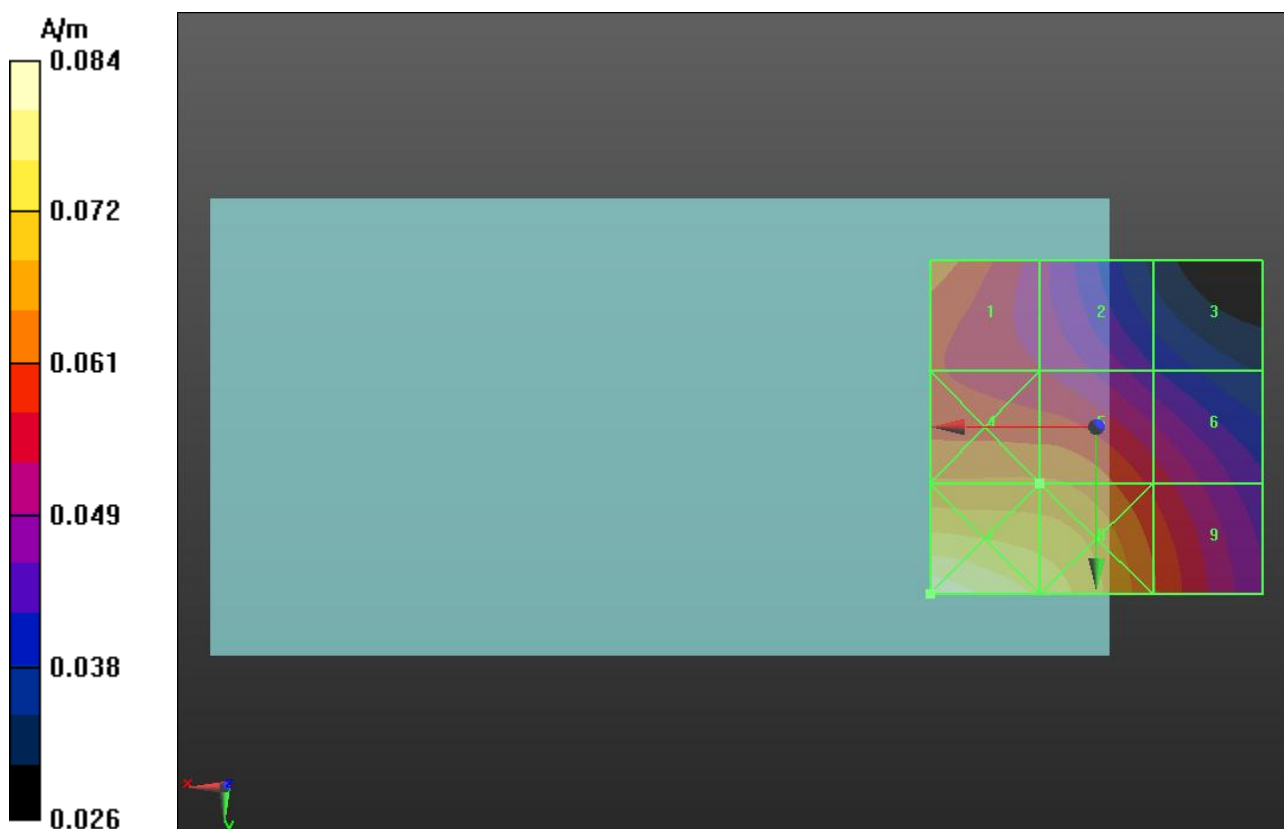
Device Reference Point: 0, 0, -6.3 mm

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 0.064 M4	Grid 2 0.053 M4	Grid 3 0.042 M4
Grid 4 0.066 M4	Grid 5 0.065 M4	Grid 6 0.056 M4
Grid 7 0.084 M4	Grid 8 0.076 M4	Grid 9 0.061 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.073 A/m

Probe Modulation Factor = 0.980

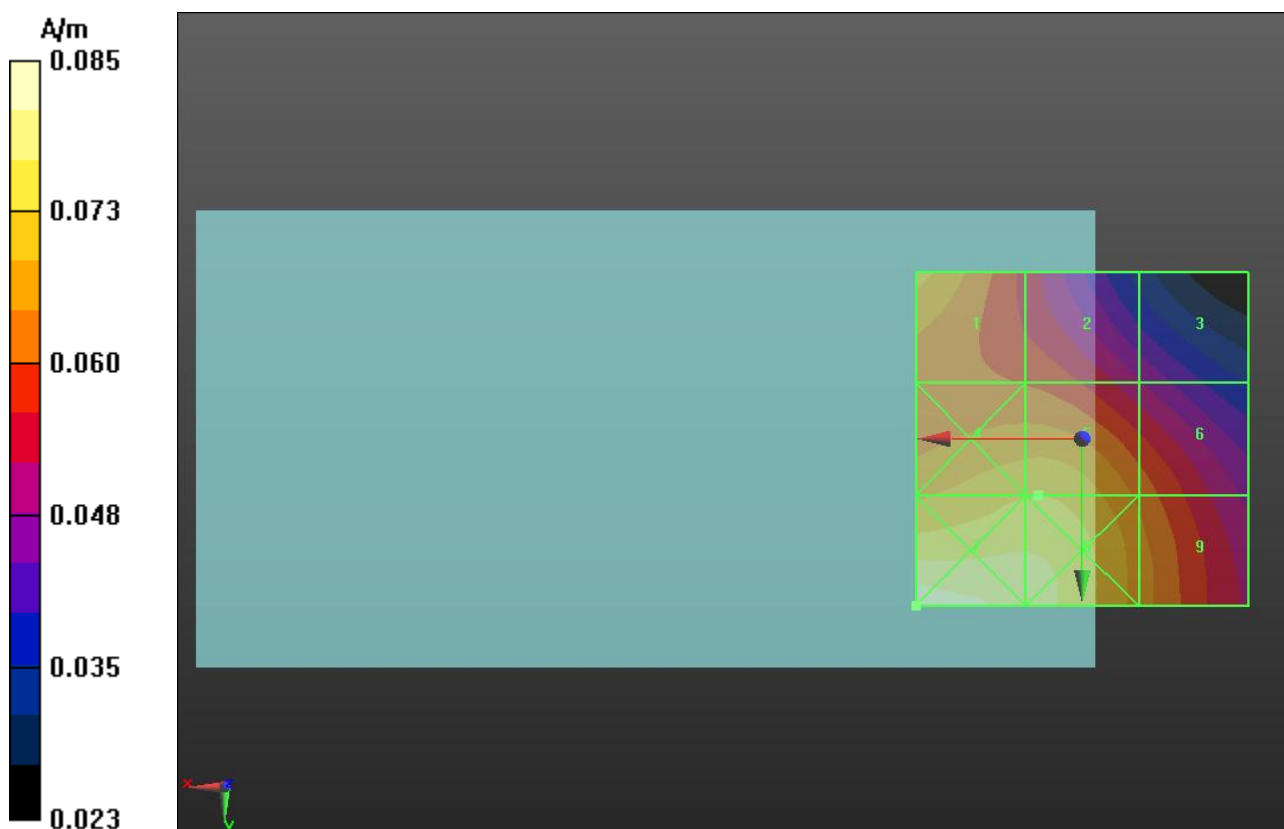
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = 0.09 dB

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

Peak H-field in A/m

Grid 1 0.070 M4	Grid 2 0.060 M4	Grid 3 0.048 M4
Grid 4 0.072 M4	Grid 5 0.073 M4	Grid 6 0.063 M4
Grid 7 0.085 M4	Grid 8 0.079 M4	Grid 9 0.067 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 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- 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, RC3 SO55/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 0.072 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = -0.05 dB

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

Peak H-field in A/m

Grid 1 0.067 M4	Grid 2 0.061 M4	Grid 3 0.049 M4
Grid 4 0.072 M4	Grid 5 0.072 M4	Grid 6 0.063 M4
Grid 7 0.087 M4	Grid 8 0.078 M4	Grid 9 0.065 M4

