

Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.235 A/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

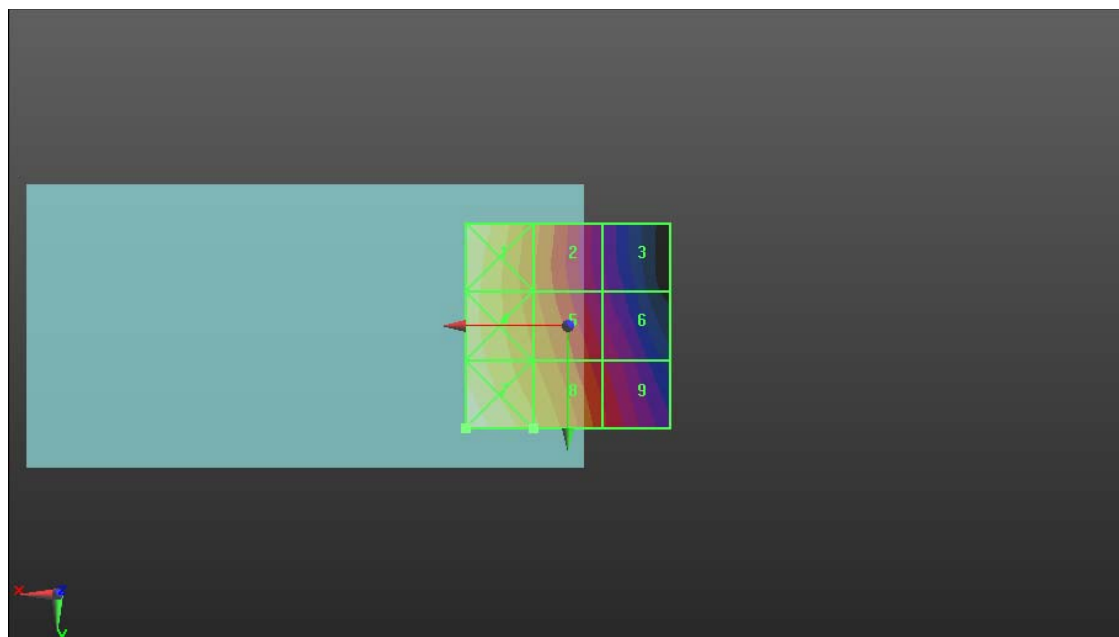
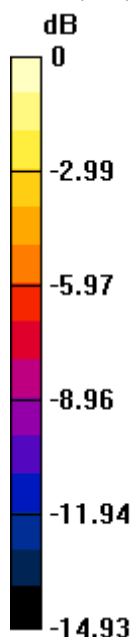
Reference Value = 0.060 A/m; Power Drift = -0.11 dB

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

Peak H-field in A/m

Grid 1 0.296 M4	Grid 2 0.190 M4	Grid 3 0.108 M4
Grid 4 0.279 M4	Grid 5 0.206 M4	Grid 6 0.130 M4
Grid 7 0.317 M4	Grid 8 0.235 M4	Grid 9 0.149 M4

Location: 25, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/M 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

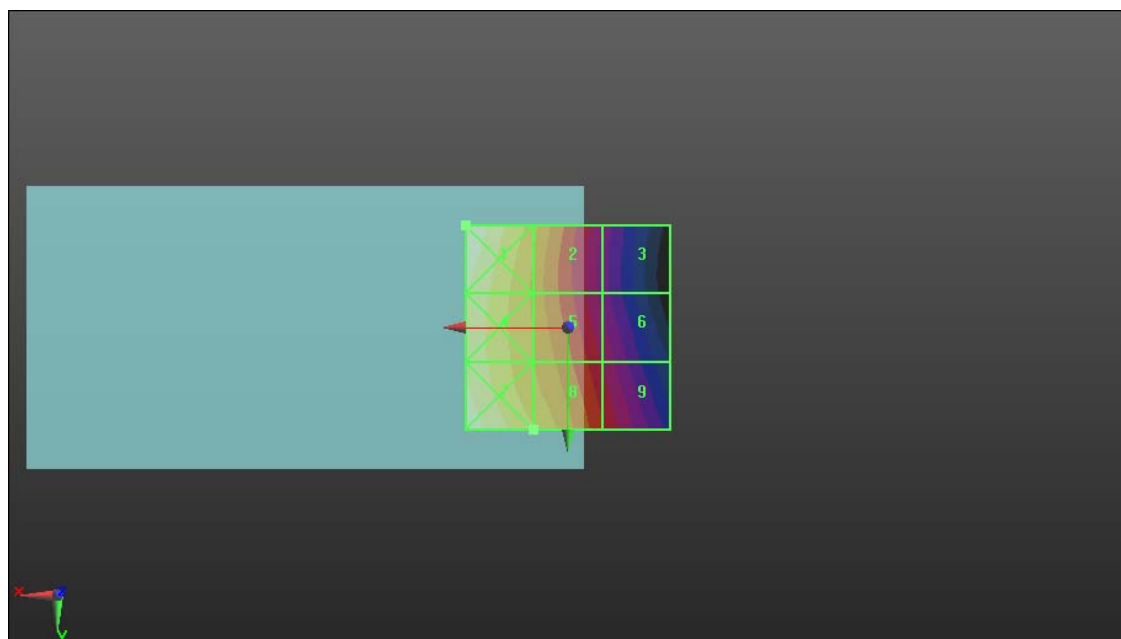
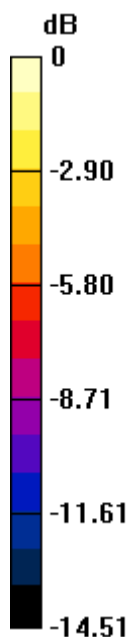
Reference Value = 0.061 A/m; Power Drift = -0.14 dB

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

Peak H-field in A/m

Grid 1 0.322 M4	Grid 2 0.215 M4	Grid 3 0.115 M4
Grid 4 0.291 M4	Grid 5 0.206 M4	Grid 6 0.130 M4
Grid 7 0.312 M4	Grid 8 0.232 M4	Grid 9 0.149 M4

Location: 25, -25, 8.7 mm



0 dB = 0.320 A/m

Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 848.6 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.212 A/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

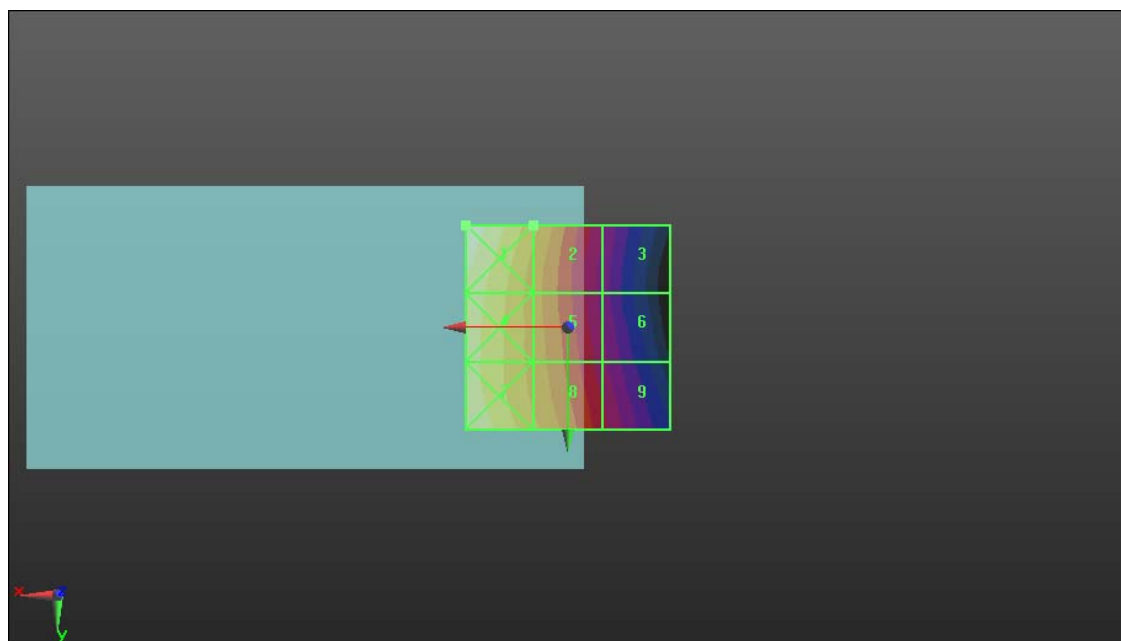
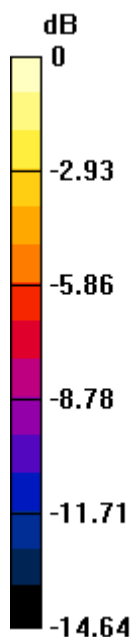
Reference Value = 0.058 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

Grid 1 0.318 M4	Grid 2 0.212 M4	Grid 3 0.117 M4
Grid 4 0.283 M4	Grid 5 0.196 M4	Grid 6 0.121 M4
Grid 7 0.294 M4	Grid 8 0.211 M4	Grid 9 0.135 M4

Location: 25, -25, 8.7 mm



0 dB = 0.320 A/m

Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.171 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

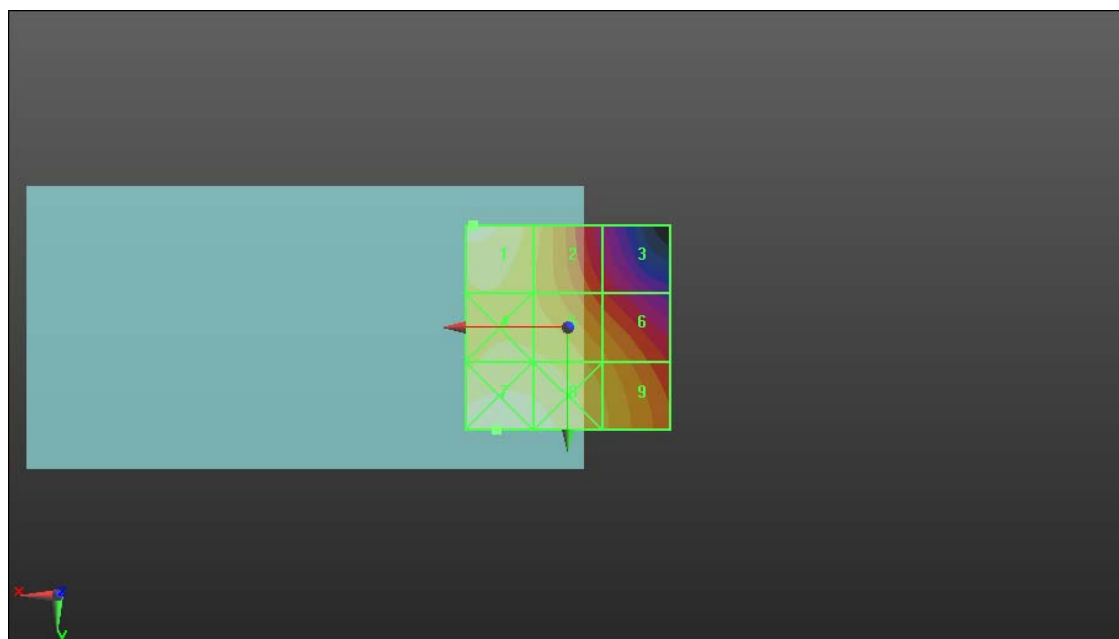
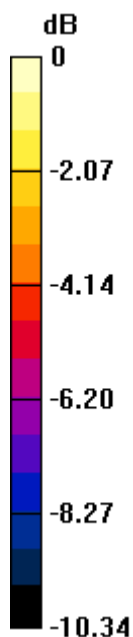
Reference Value = 0.052 A/m; Power Drift = -0.37 dB

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

Peak H-field in A/m

Grid 1 0.171 M3	Grid 2 0.148 M3	Grid 3 0.105 M4
Grid 4 0.158 M3	Grid 5 0.156 M3	Grid 6 0.135 M4
Grid 7 0.182 M3	Grid 8 0.175 M3	Grid 9 0.145 M3

Location: 17.5, 25, 8.7 mm



0 dB = 0.180 A/m

Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.157 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

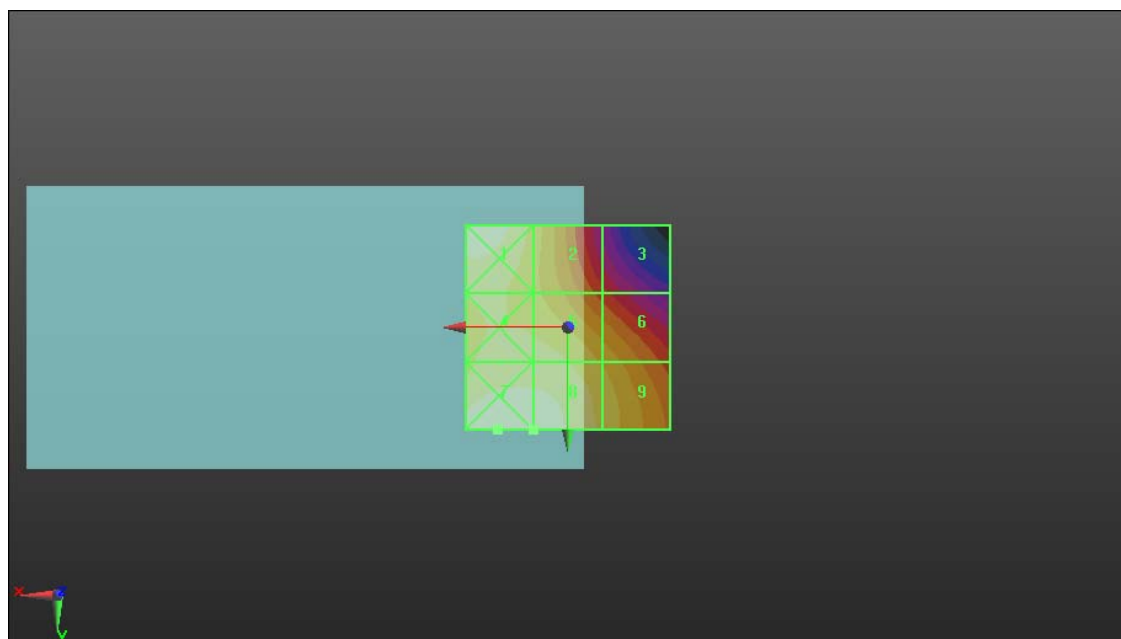
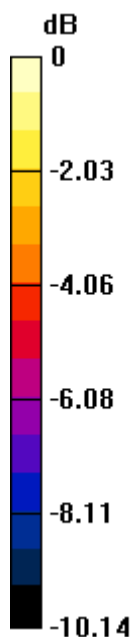
Reference Value = 0.049 A/m; Power Drift = 0.06 dB

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

Peak H-field in A/m

Grid 1 0.159 M3	Grid 2 0.134 M4	Grid 3 0.096 M4
Grid 4 0.143 M3	Grid 5 0.143 M3	Grid 6 0.125 M4
Grid 7 0.161 M3	Grid 8 0.157 M3	Grid 9 0.134 M4

Location: 17, 25, 8.7 mm



0 dB = 0.160 A/m

Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.160 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

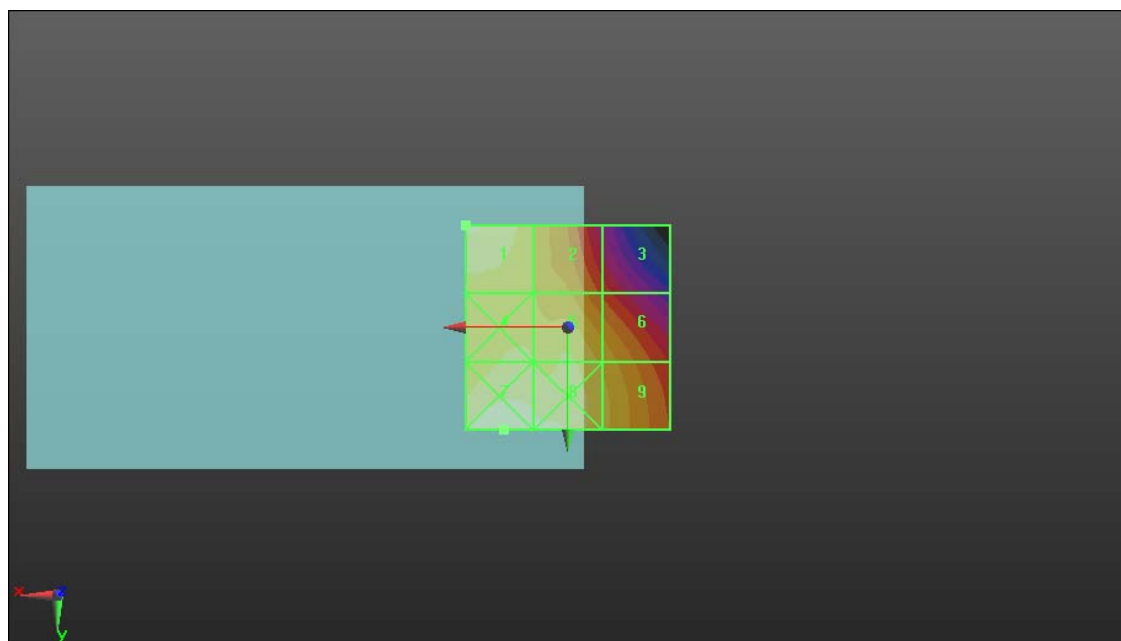
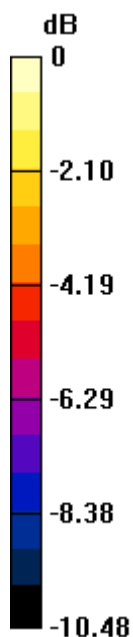
Reference Value = 0.050 A/m; Power Drift = 0.27 dB

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

Peak H-field in A/m

Grid 1 0.160 M3	Grid 2 0.135 M4	Grid 3 0.102 M4
Grid 4 0.147 M3	Grid 5 0.147 M3	Grid 6 0.131 M4
Grid 7 0.167 M3	Grid 8 0.165 M3	Grid 9 0.137 M4

Location: 15.5, 25, 8.7 mm



0 dB = 0.170 A/m

Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/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

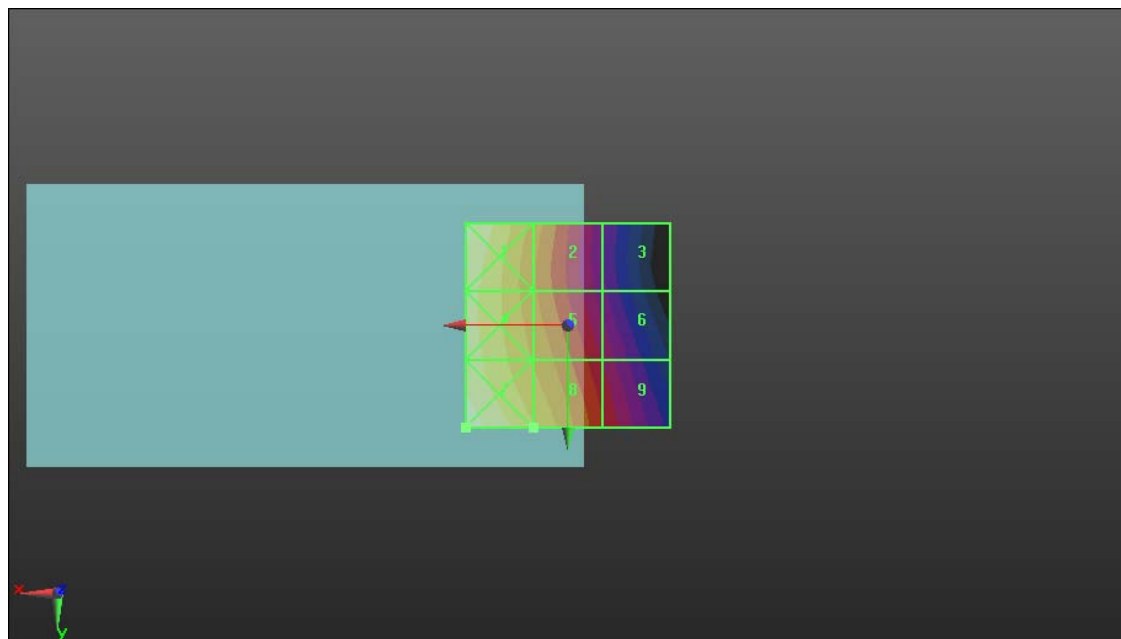
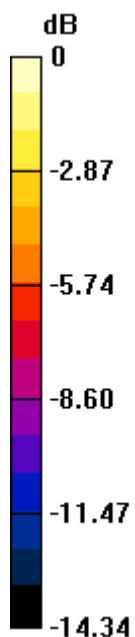
Reference Value = 0.065 A/m; Power Drift = -0.06 dB

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

Peak H-field in A/m

Grid 1 0.112 M4	Grid 2 0.074 M4	Grid 3 0.042 M4
Grid 4 0.104 M4	Grid 5 0.077 M4	Grid 6 0.049 M4
Grid 7 0.117 M4	Grid 8 0.088 M4	Grid 9 0.056 M4

Location: 25, 25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/M ch/Hearing Aid Compatibility Test**(101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.090 A/m

Probe Modulation Factor = 0.960

Device Reference Point: 0, 0, -6.3 mm

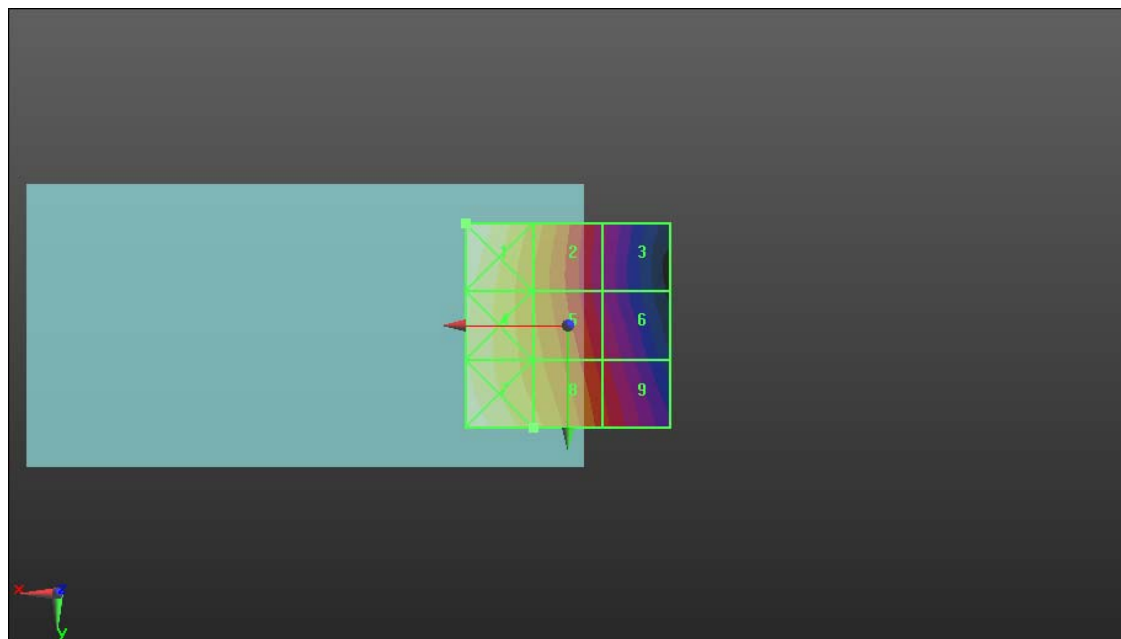
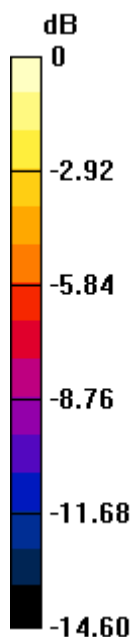
Reference Value = 0.069 A/m; Power Drift = 0.05 dB

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

Peak H-field in A/m

Grid 1 0.123 M4	Grid 2 0.083 M4	Grid 3 0.046 M4
Grid 4 0.111 M4	Grid 5 0.081 M4	Grid 6 0.051 M4
Grid 7 0.119 M4	Grid 8 0.090 M4	Grid 9 0.058 M4

Location: 25, -25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.086 A/m

Probe Modulation Factor = 0.960

Device Reference Point: 0, 0, -6.3 mm

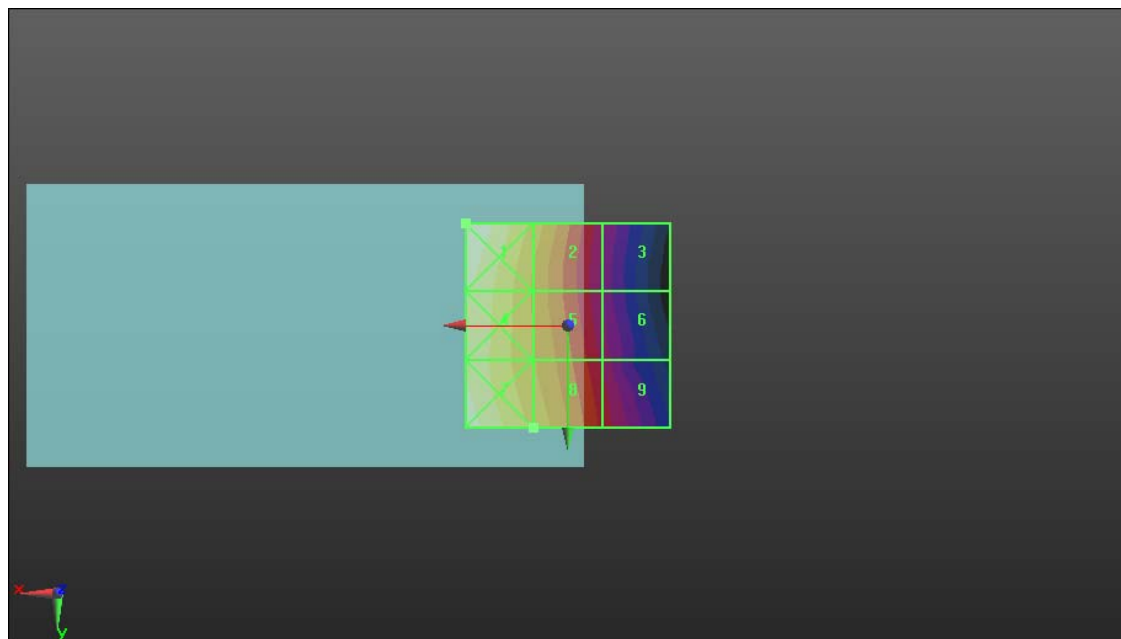
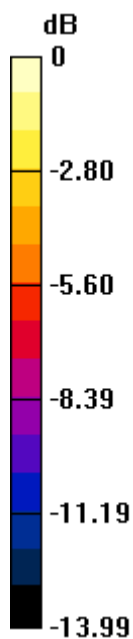
Reference Value = 0.067 A/m; Power Drift = 0.07 dB

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

Peak H-field in A/m

Grid 1 0.123 M4	Grid 2 0.084 M4	Grid 3 0.047 M4
Grid 4 0.110 M4	Grid 5 0.079 M4	Grid 6 0.049 M4
Grid 7 0.116 M4	Grid 8 0.086 M4	Grid 9 0.055 M4

Location: 25, -25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/L ch/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.120 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

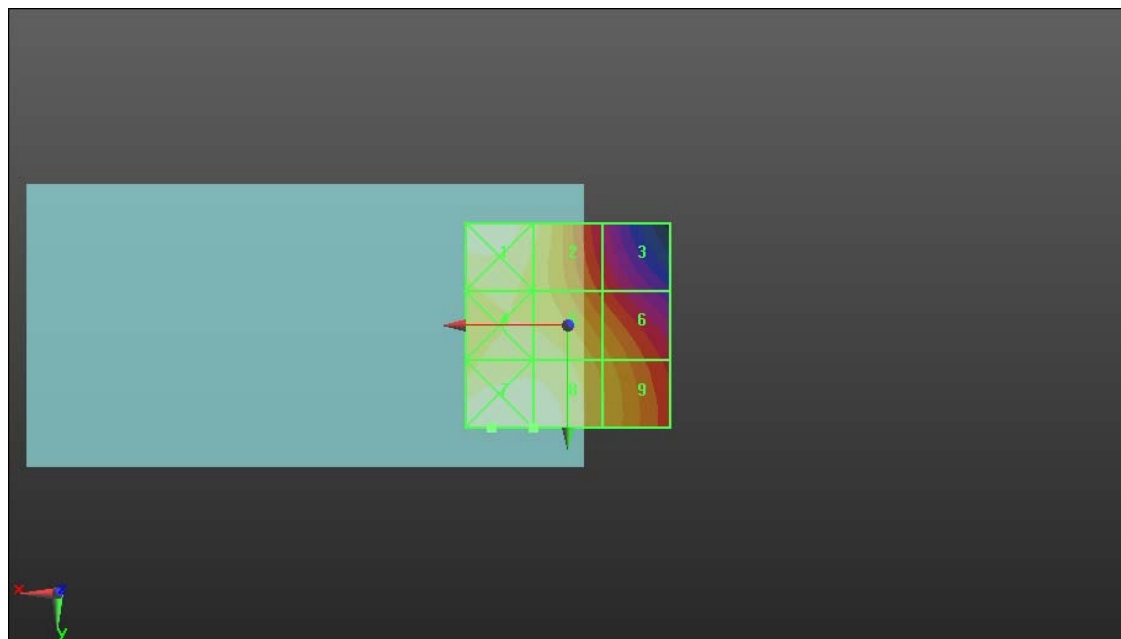
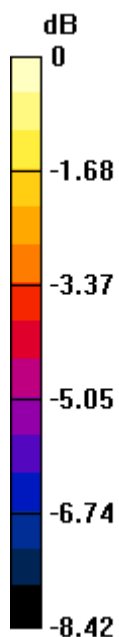
Reference Value = 0.111 A/m; Power Drift = -0.06 dB

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

Peak H-field in A/m

Grid 1 0.120 M4	Grid 2 0.108 M4	Grid 3 0.079 M4
Grid 4 0.110 M4	Grid 5 0.110 M4	Grid 6 0.096 M4
Grid 7 0.125 M4	Grid 8 0.120 M4	Grid 9 0.100 M4

Location: 18.5, 25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/M ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.118 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

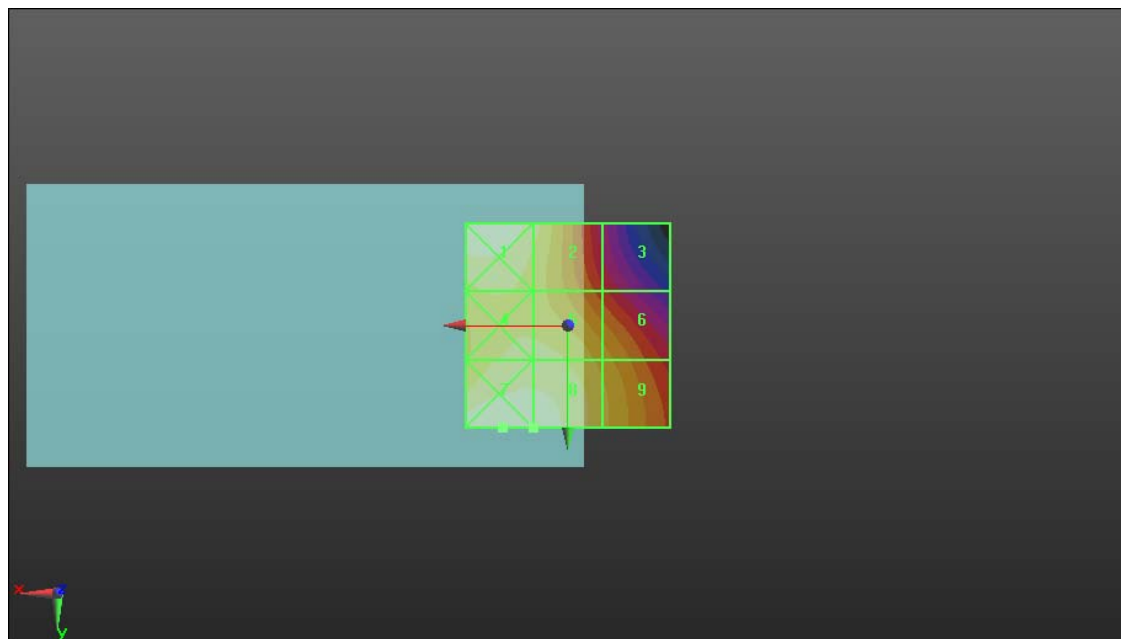
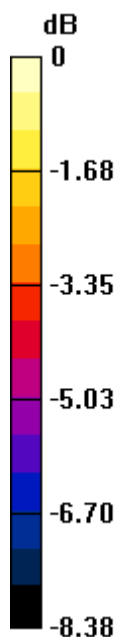
Reference Value = 0.110 A/m; Power Drift = 0.05 dB

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

Peak H-field in A/m

Grid 1 0.121 M4	Grid 2 0.109 M4	Grid 3 0.078 M4
Grid 4 0.108 M4	Grid 5 0.108 M4	Grid 6 0.096 M4
Grid 7 0.121 M4	Grid 8 0.118 M4	Grid 9 0.101 M4

Location: 16, 25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, 1x RTT (RC3, SO55)/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.113 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

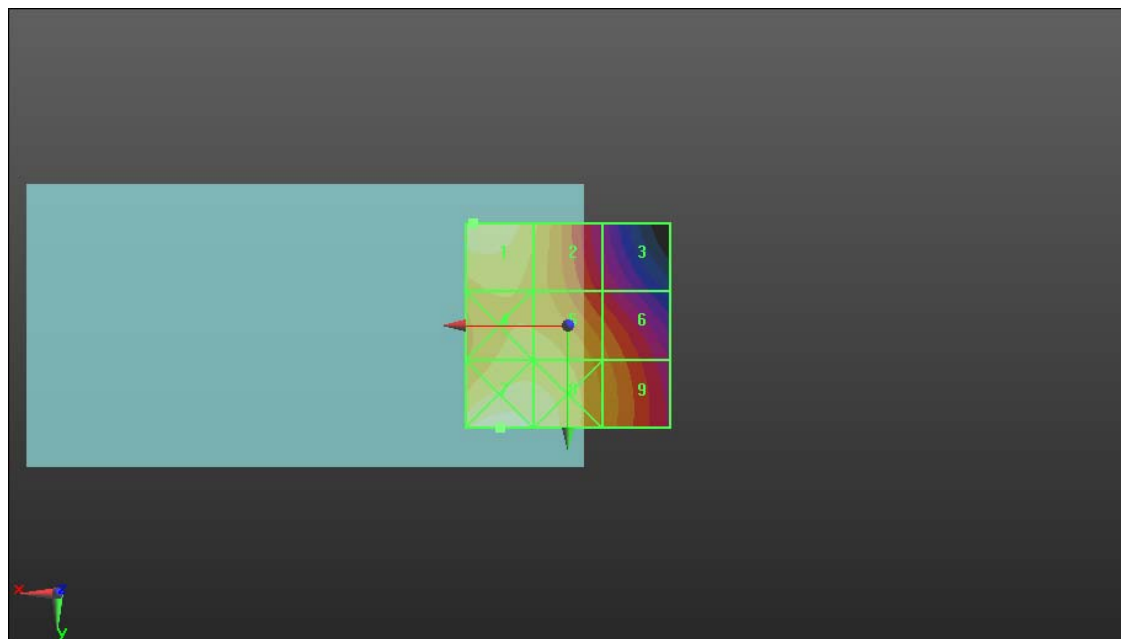
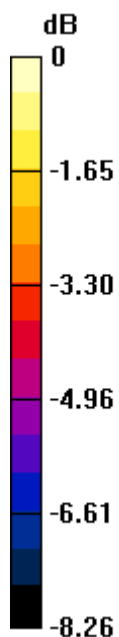
Reference Value = 0.104 A/m; Power Drift = -0.05 dB

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

Peak H-field in A/m

Grid 1 0.113 M4	Grid 2 0.101 M4	Grid 3 0.075 M4
Grid 4 0.103 M4	Grid 5 0.103 M4	Grid 6 0.090 M4
Grid 7 0.117 M4	Grid 8 0.113 M4	Grid 9 0.093 M4

Location: 16.5, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, R99 RMC 12.2kbps/L ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.095 A/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

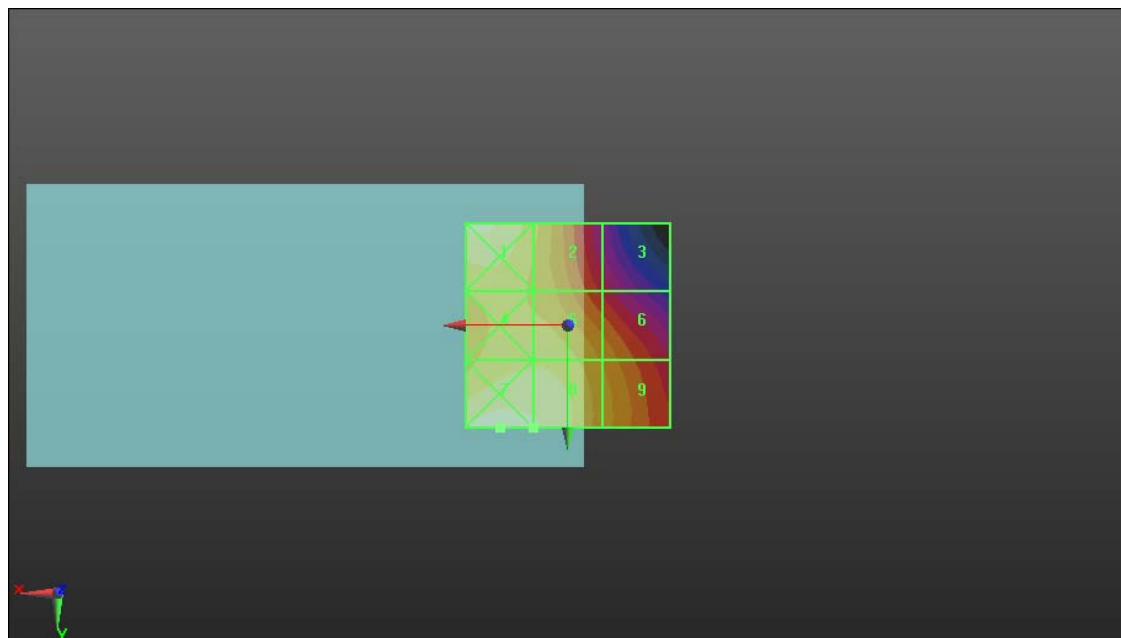
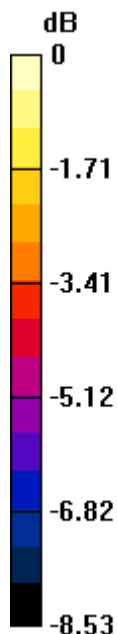
Reference Value = 0.090 A/m; Power Drift = 0.06 dB

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

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.084 M4	Grid 3 0.062 M4
Grid 4 0.087 M4	Grid 5 0.087 M4	Grid 6 0.076 M4
Grid 7 0.097 M4	Grid 8 0.095 M4	Grid 9 0.080 M4

Location: 16.5, 25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, R99 RMC 12.2kbps/M ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.095 A/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

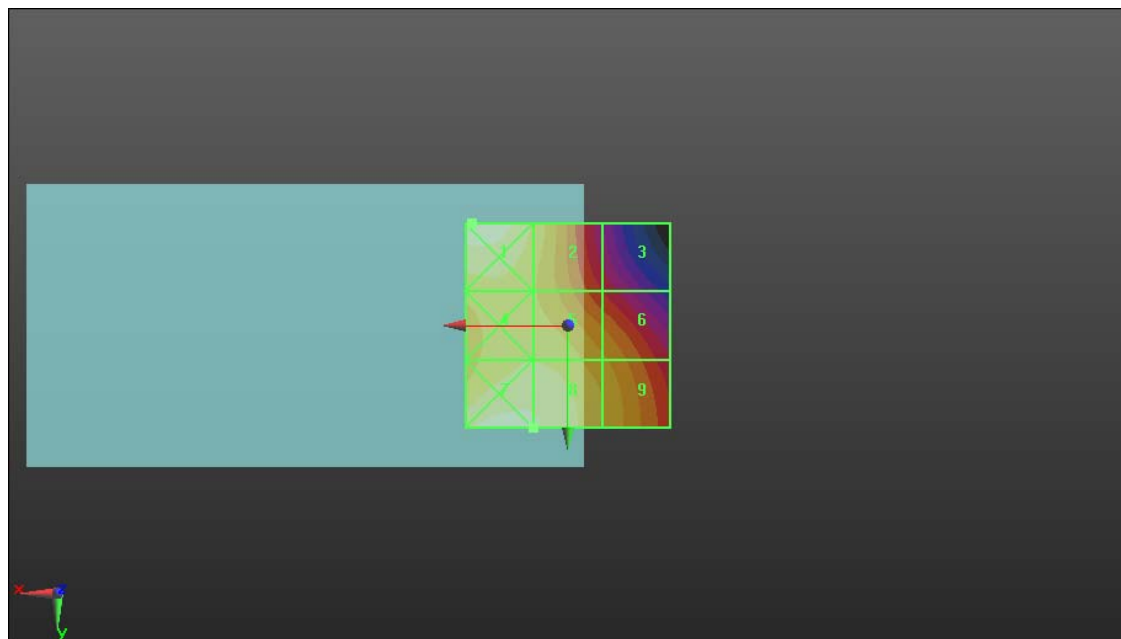
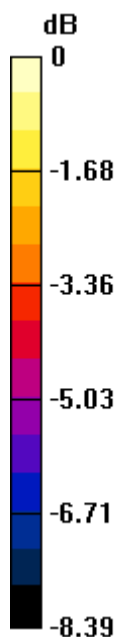
Reference Value = 0.092 A/m; Power Drift = 0.12 dB

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

Peak H-field in A/m

Grid 1 0.098 M4	Grid 2 0.087 M4	Grid 3 0.064 M4
Grid 4 0.088 M4	Grid 5 0.088 M4	Grid 6 0.078 M4
Grid 7 0.097 M4	Grid 8 0.095 M4	Grid 9 0.083 M4

Location: 23.5, -25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Standard Cover, R99 RMC 12.2kbps/H 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 = 0.950

Device Reference Point: 0, 0, -6.3 mm

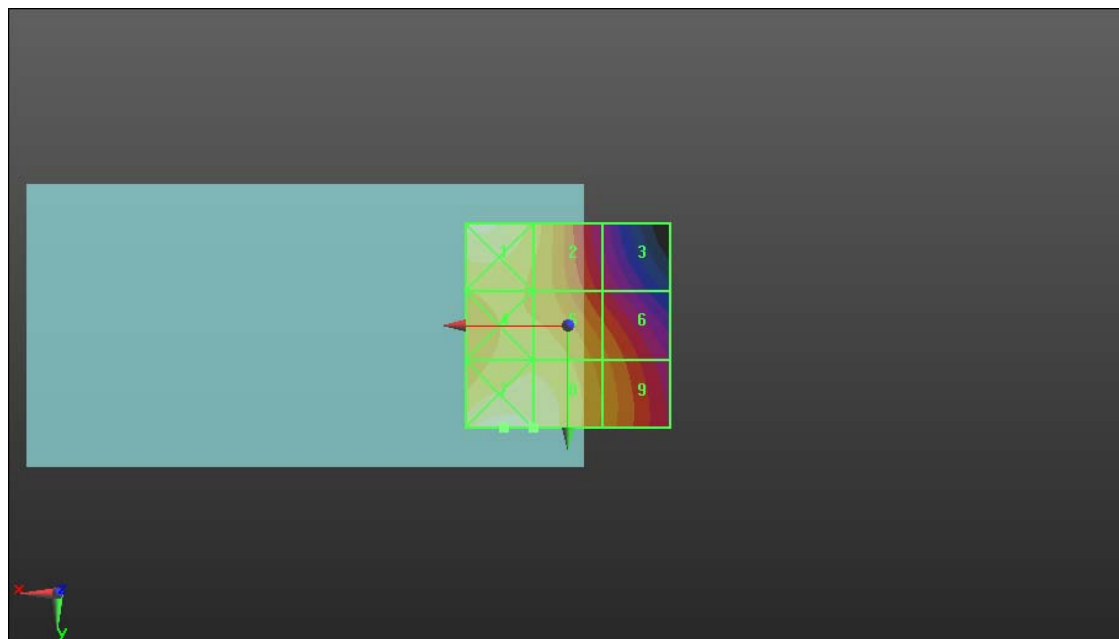
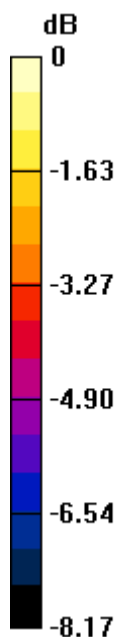
Reference Value = 0.089 A/m; Power Drift = 0.04 dB

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

Peak H-field in A/m

Grid 1 0.096 M4	Grid 2 0.086 M4	Grid 3 0.062 M4
Grid 4 0.087 M4	Grid 5 0.087 M4	Grid 6 0.075 M4
Grid 7 0.098 M4	Grid 8 0.094 M4	Grid 9 0.077 M4

Location: 15.5, 25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/L ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.193 A/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

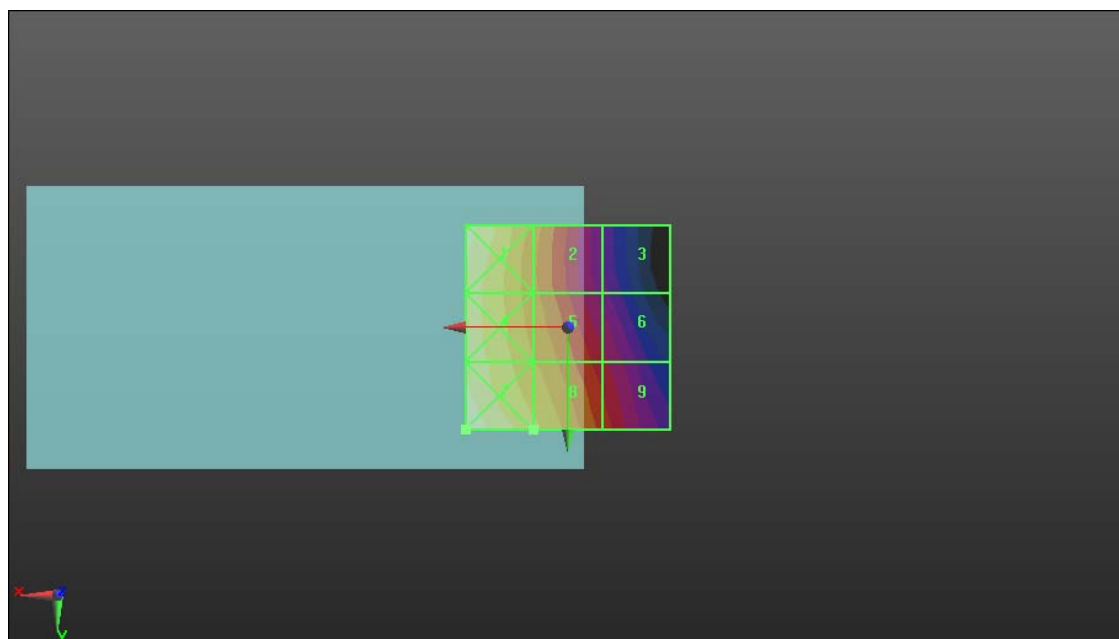
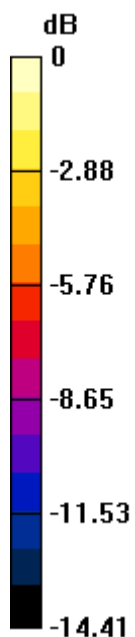
Reference Value = 0.050 A/m; Power Drift = -0.11 dB

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

Peak H-field in A/m

Grid 1 0.247 M4	Grid 2 0.160 M4	Grid 3 0.091 M4
Grid 4 0.229 M4	Grid 5 0.169 M4	Grid 6 0.111 M4
Grid 7 0.258 M4	Grid 8 0.193 M4	Grid 9 0.129 M4

Location: 25, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/M ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.204 A/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

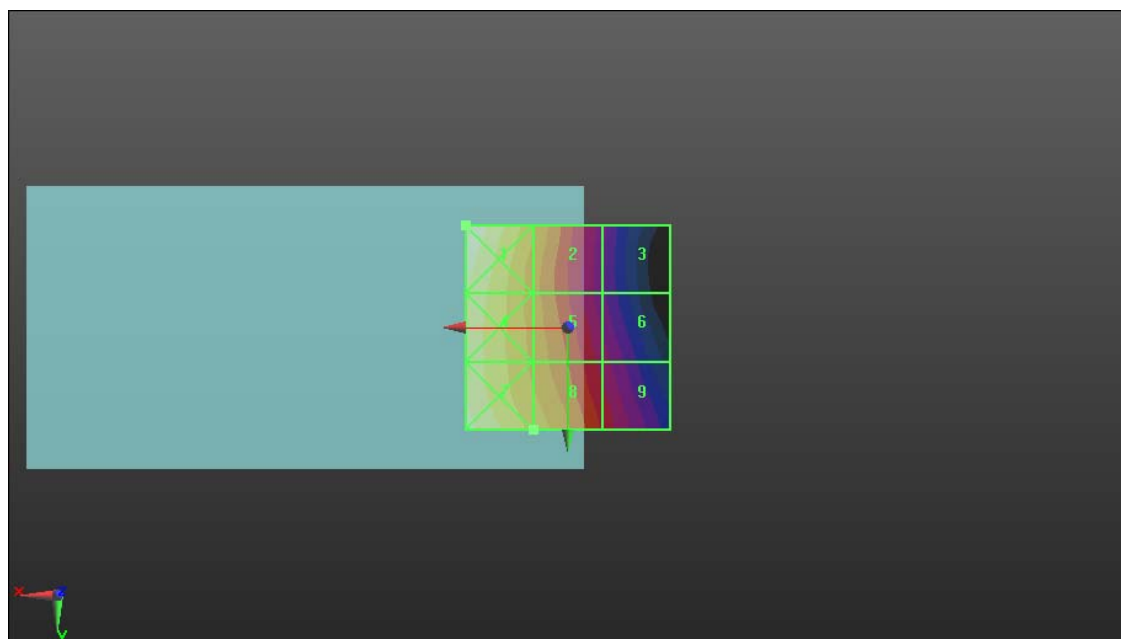
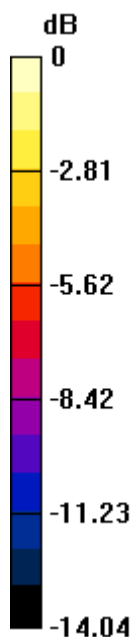
Reference Value = 0.055 A/m; Power Drift = -0.11 dB

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

Peak H-field in A/m

Grid 1 0.293 M4	Grid 2 0.192 M4	Grid 3 0.104 M4
Grid 4 0.262 M4	Grid 5 0.184 M4	Grid 6 0.117 M4
Grid 7 0.277 M4	Grid 8 0.204 M4	Grid 9 0.134 M4

Location: 25, -25, 8.7 mm



0 dB = 0.290 A/m

Test Laboratory: UL CCS SAR Lab C

1_GSM 850

Communication System: Generic GSM; Frequency: 848.6 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/H ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.193 A/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

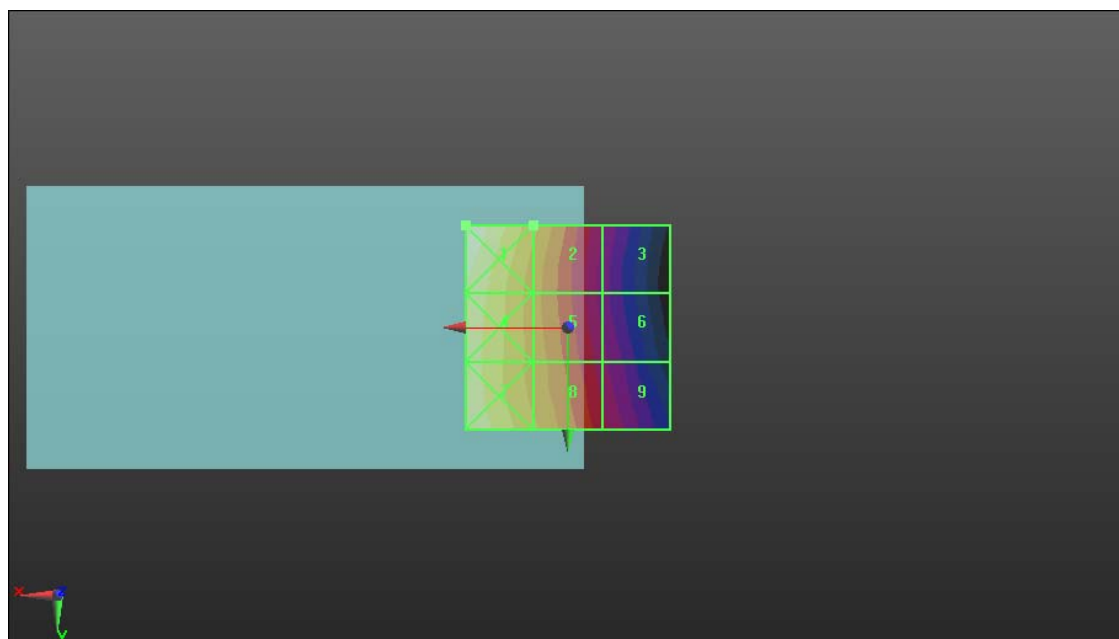
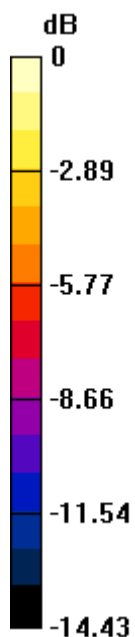
Reference Value = 0.054 A/m; Power Drift = -0.05 dB

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

Peak H-field in A/m

Grid 1 0.290 M4	Grid 2 0.193 M4	Grid 3 0.108 M4
Grid 4 0.258 M4	Grid 5 0.179 M4	Grid 6 0.111 M4
Grid 7 0.265 M4	Grid 8 0.192 M4	Grid 9 0.125 M4

Location: 25, -25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/L ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.162 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

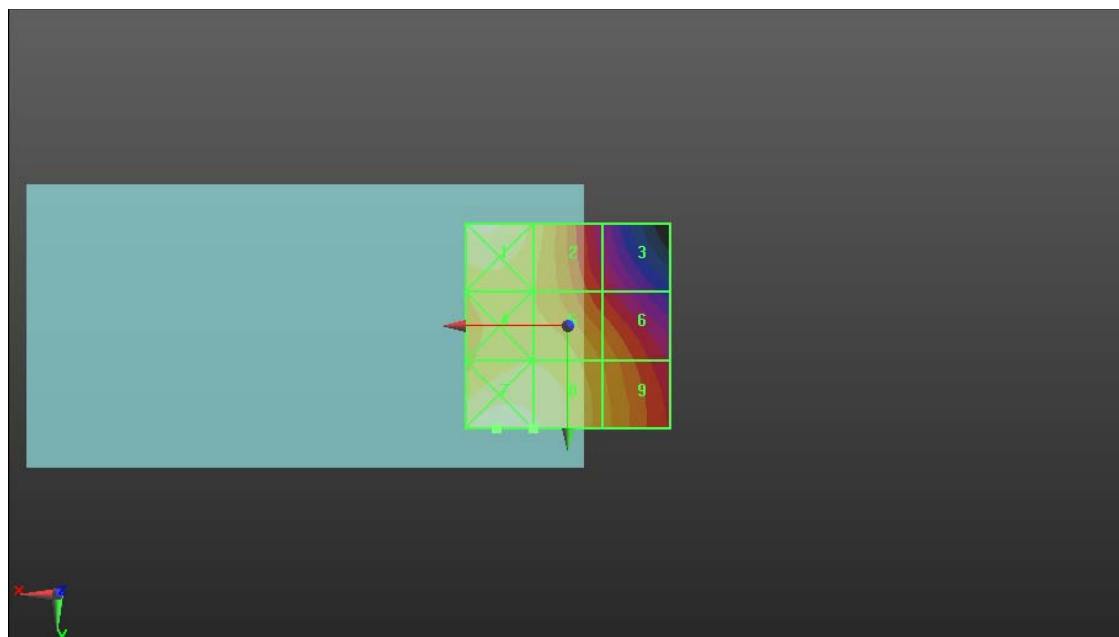
Reference Value = 0.051 A/m; Power Drift = 0.05 dB

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

Peak H-field in A/m

Grid 1 0.163 M3	Grid 2 0.147 M3	Grid 3 0.107 M4
Grid 4 0.149 M3	Grid 5 0.149 M3	Grid 6 0.130 M4
Grid 7 0.167 M3	Grid 8 0.162 M3	Grid 9 0.135 M4

Location: 17.5, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/M ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.151 A/m

Probe Modulation Factor = 2.840

Device Reference Point: 0, 0, -6.3 mm

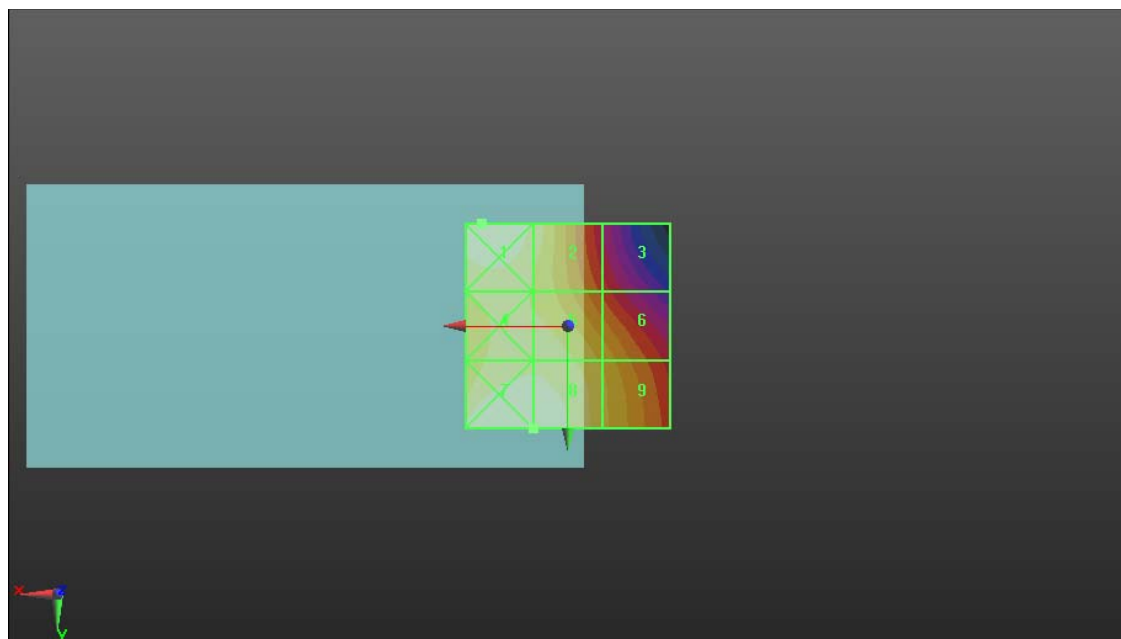
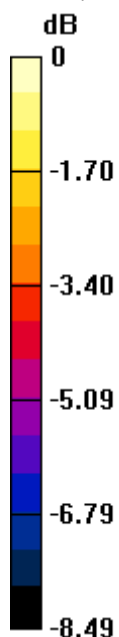
Reference Value = 0.048 A/m; Power Drift = -0.20 dB

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

Peak H-field in A/m

Grid 1 0.155 M3	Grid 2 0.138 M4	Grid 3 0.099 M4
Grid 4 0.138 M4	Grid 5 0.138 M4	Grid 6 0.122 M4
Grid 7 0.153 M3	Grid 8 0.151 M3	Grid 9 0.126 M4

Location: 21, -25, 8.7 mm



0 dB = 0.150 A/m

Test Laboratory: UL CCS SAR Lab C

2_GSM 1900

Communication System: Generic GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6324; ; Calibrated: 4/11/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover/H 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

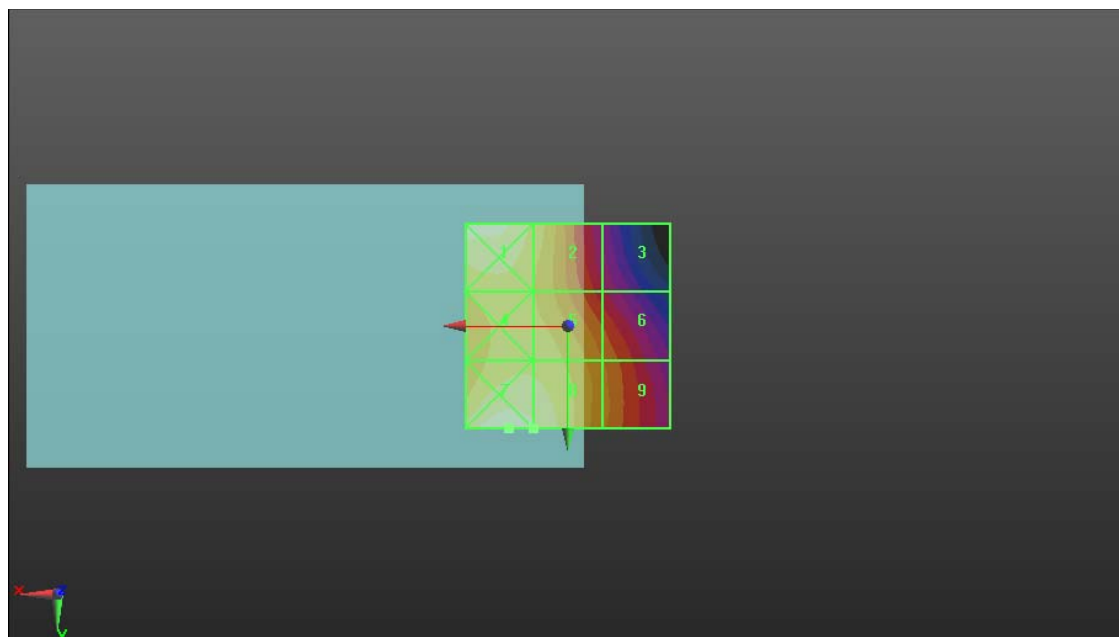
Reference Value = 0.045 A/m; Power Drift = -0.38 dB

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

Peak H-field in A/m

Grid 1 0.145 M3	Grid 2 0.130 M4	Grid 3 0.092 M4
Grid 4 0.130 M4	Grid 5 0.130 M4	Grid 6 0.109 M4
Grid 7 0.146 M3	Grid 8 0.143 M3	Grid 9 0.112 M4

Location: 14.5, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (RC3, SO55)/L ch/Hearing Aid

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.078 A/m

Probe Modulation Factor = 0.960

Device Reference Point: 0, 0, -6.3 mm

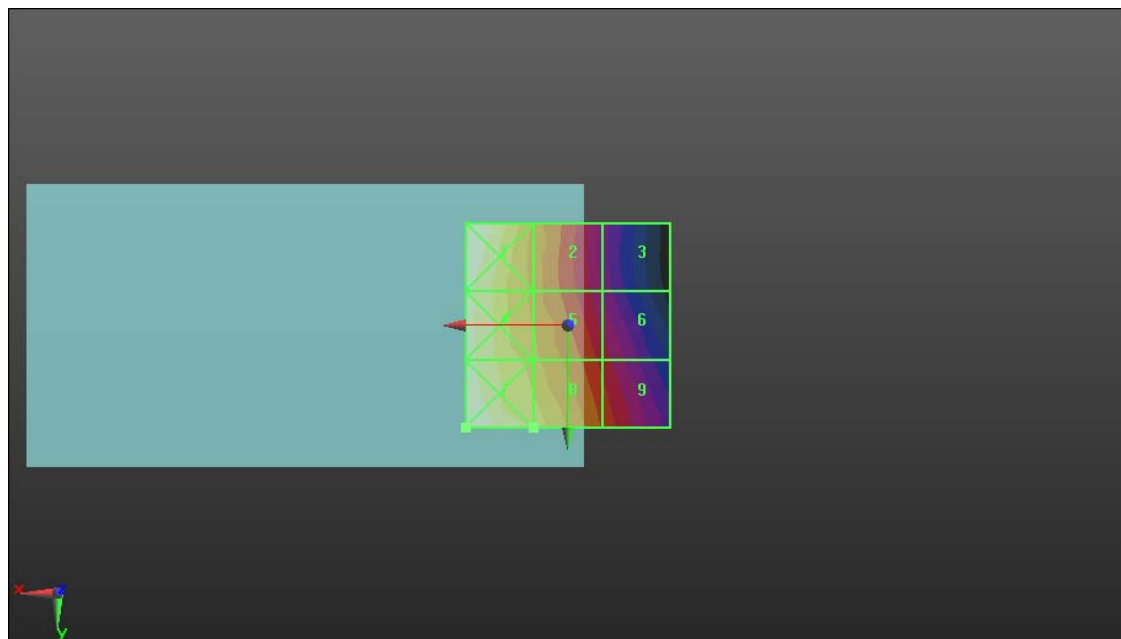
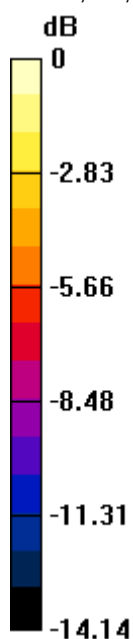
Reference Value = 0.058 A/m; Power Drift = 0.07 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.098 M4	0.064 M4	0.037 M4
Grid 4	Grid 5	Grid 6
0.094 M4	0.068 M4	0.045 M4
Grid 7	Grid 8	Grid 9
0.103 M4	0.078 M4	0.051 M4

Location: 25, 25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (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

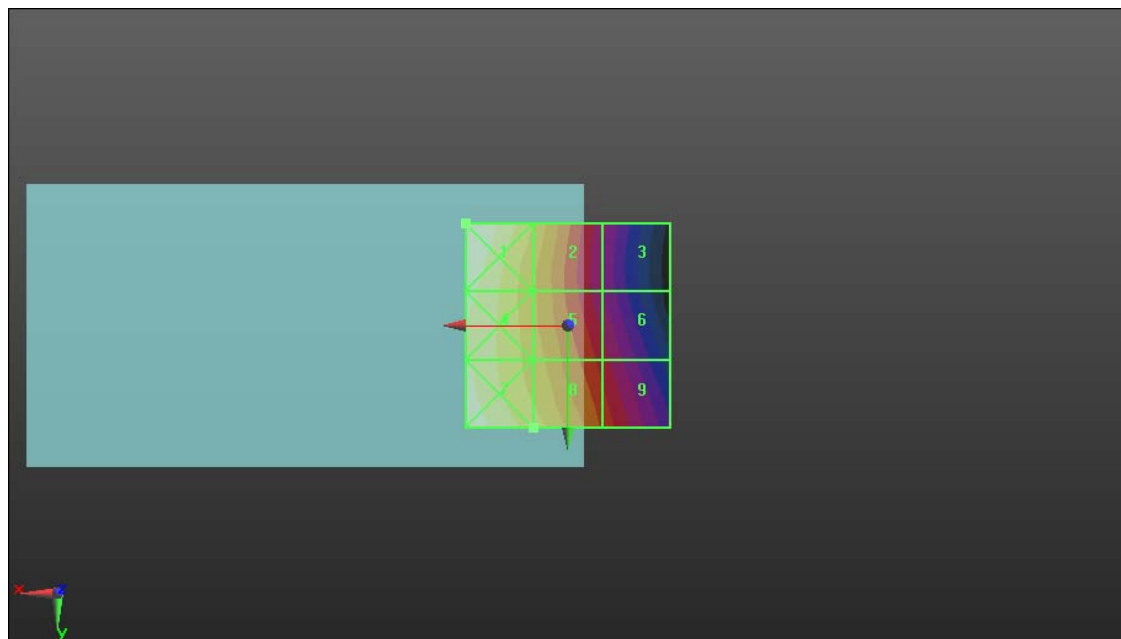
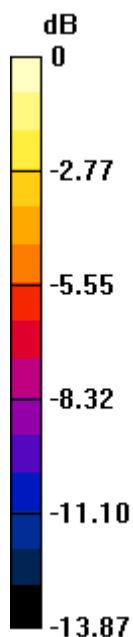
Reference Value = 0.063 A/m; Power Drift = 0.50 dB

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

Peak H-field in A/m

Grid 1 0.114 M4	Grid 2 0.080 M4	Grid 3 0.044 M4
Grid 4 0.102 M4	Grid 5 0.076 M4	Grid 6 0.050 M4
Grid 7 0.110 M4	Grid 8 0.084 M4	Grid 9 0.057 M4

Location: 25, -25, 8.7 mm



0 dB = 0.110 A/m

Test Laboratory: UL CCS SAR Lab C

3_CDMA2000_850

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (RC3, SO55)/H 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

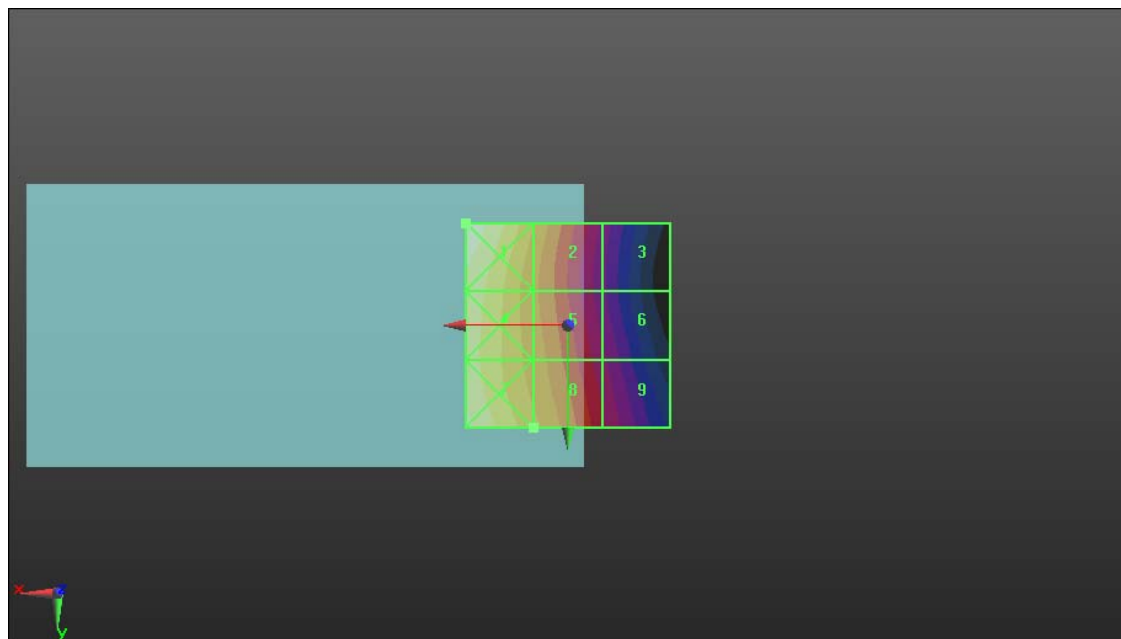
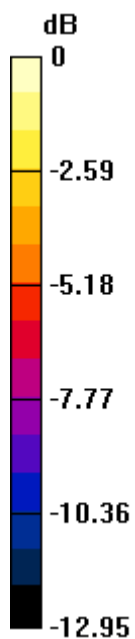
Reference Value = 0.067 A/m; Power Drift = 0.11 dB

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

Peak H-field in A/m

Grid 1 0.119 M4	Grid 2 0.081 M4	Grid 3 0.048 M4
Grid 4 0.106 M4	Grid 5 0.077 M4	Grid 6 0.050 M4
Grid 7 0.112 M4	Grid 8 0.084 M4	Grid 9 0.055 M4

Location: 25, -25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (RC3, SO55)/L ch/Hearing Aid

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.120 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

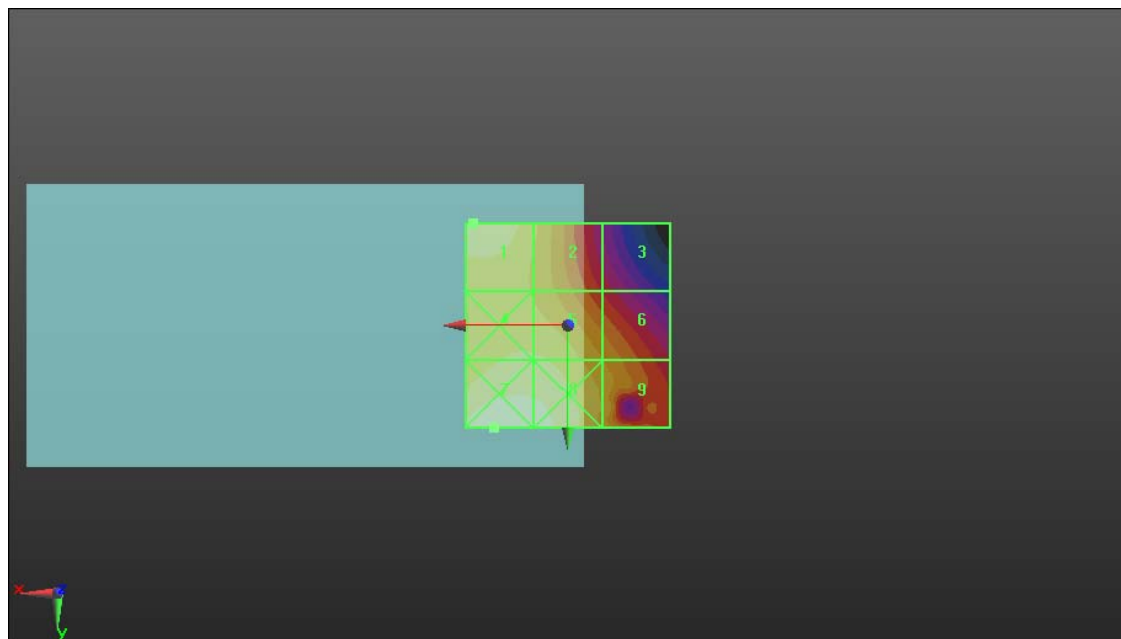
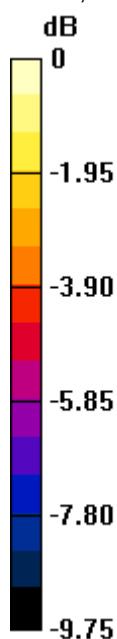
Reference Value = 0.111 A/m; Power Drift = -0.19 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.120 M4	0.106 M4	0.076 M4
Grid 4	Grid 5	Grid 6
0.114 M4	0.113 M4	0.097 M4
Grid 7	Grid 8	Grid 9
0.128 M4	0.126 M4	0.104 M4

Location: 18, 25, 8.7 mm



Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (RC3, SO55)/M ch/Hearing Aid**Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.119 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

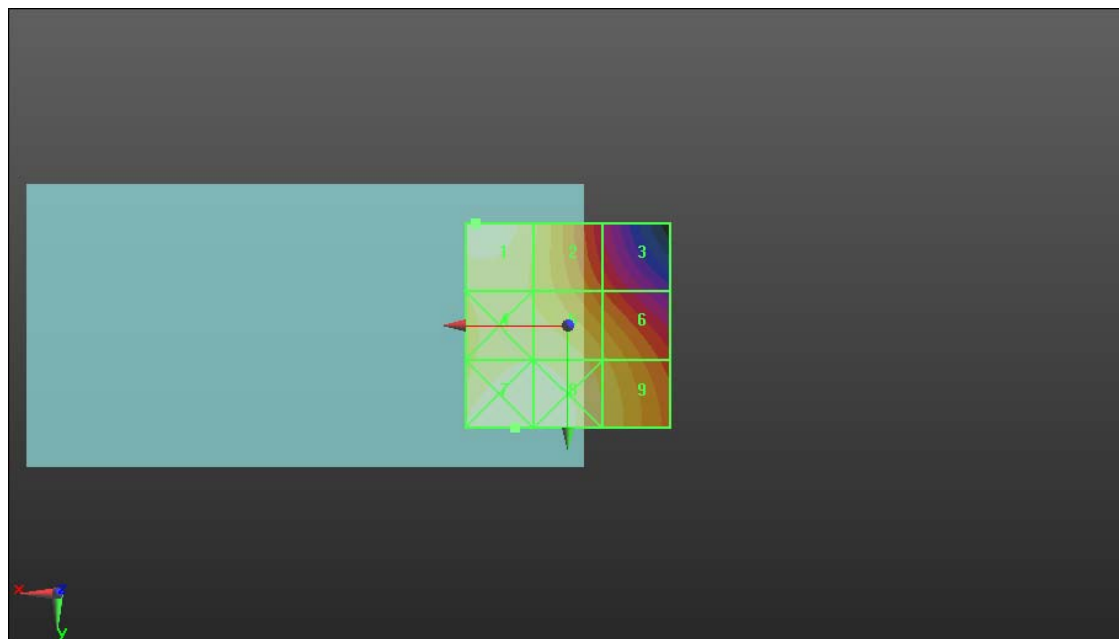
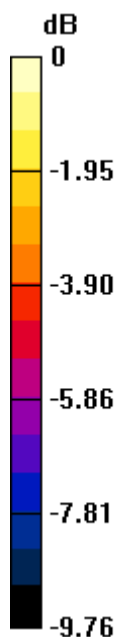
Reference Value = 0.110 A/m; Power Drift = 0.0083 dB

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

Peak H-field in A/m

Grid 1 0.119 M4	Grid 2 0.106 M4	Grid 3 0.077 M4
Grid 4 0.111 M4	Grid 5 0.111 M4	Grid 6 0.098 M4
Grid 7 0.122 M4	Grid 8 0.121 M4	Grid 9 0.103 M4

Location: 13, 25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

4_CDMA2000_1900

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, 1x RTT (RC3, SO55)/H ch/Hearing Aid**Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.117 A/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

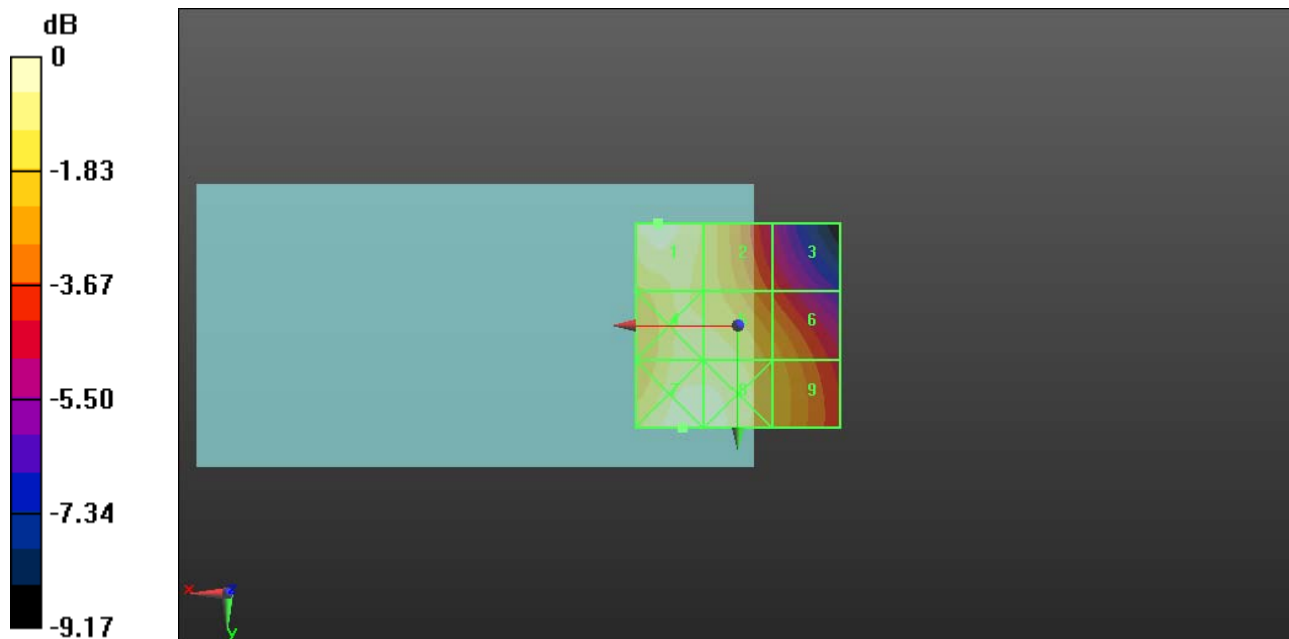
Reference Value = 0.105 A/m; Power Drift = 0.29 dB

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

Peak H-field in A/m

Grid 1 0.117 M4	Grid 2 0.104 M4	Grid 3 0.077 M4
Grid 4 0.109 M4	Grid 5 0.109 M4	Grid 6 0.095 M4
Grid 7 0.120 M4	Grid 8 0.118 M4	Grid 9 0.097 M4

Location: 13.5, 25, 8.7 mm



0 dB = 0.120 A/m

Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, R99 RMC 12.2kbps/L ch/Hearing Aid Compatibility

Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.093 A/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

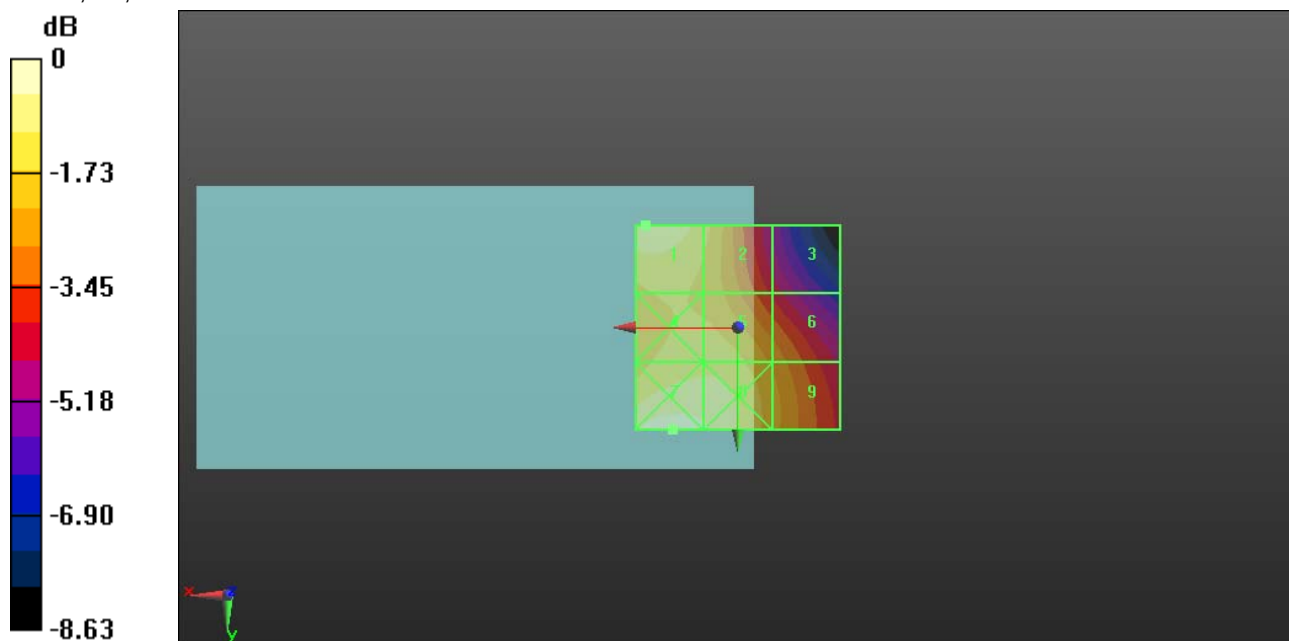
Reference Value = 0.088 A/m; Power Drift = 0.08 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.093 M4	0.085 M4	0.062 M4
Grid 4	Grid 5	Grid 6
0.086 M4	0.086 M4	0.076 M4
Grid 7	Grid 8	Grid 9
0.098 M4	0.094 M4	0.079 M4

Location: 16, 25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, R99 RMC 12.2kbps/M ch/Hearing Aid

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.095 A/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

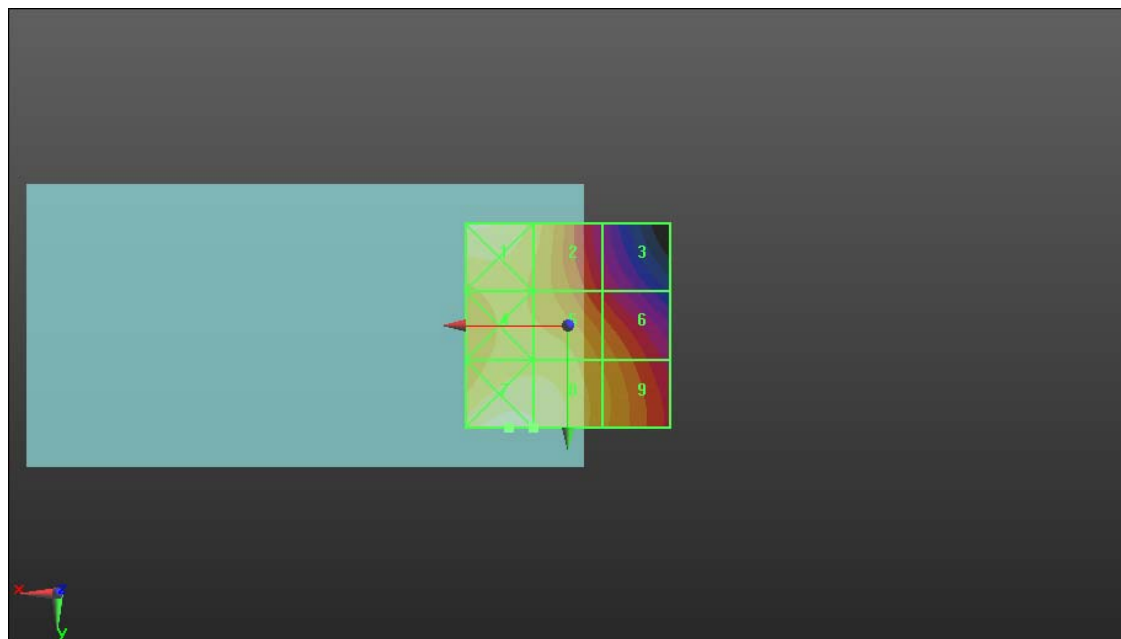
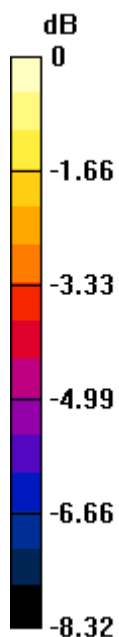
Reference Value = 0.089 A/m; Power Drift = 0.06 dB

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

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.086 M4	Grid 3 0.062 M4
Grid 4 0.086 M4	Grid 5 0.086 M4	Grid 6 0.076 M4
Grid 7 0.097 M4	Grid 8 0.095 M4	Grid 9 0.079 M4

Location: 14.5, 25, 8.7 mm



0 dB = 0.100 A/m

Test Laboratory: UL CCS SAR Lab C

5_UMTS band II

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: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

H-Field, Wireless Changer Cover, R99 RMC 12.2kbps/H ch/Hearing Aid Compatibility Test (101x101x1):

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

Maximum value of peak Total field = 0.093 A/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

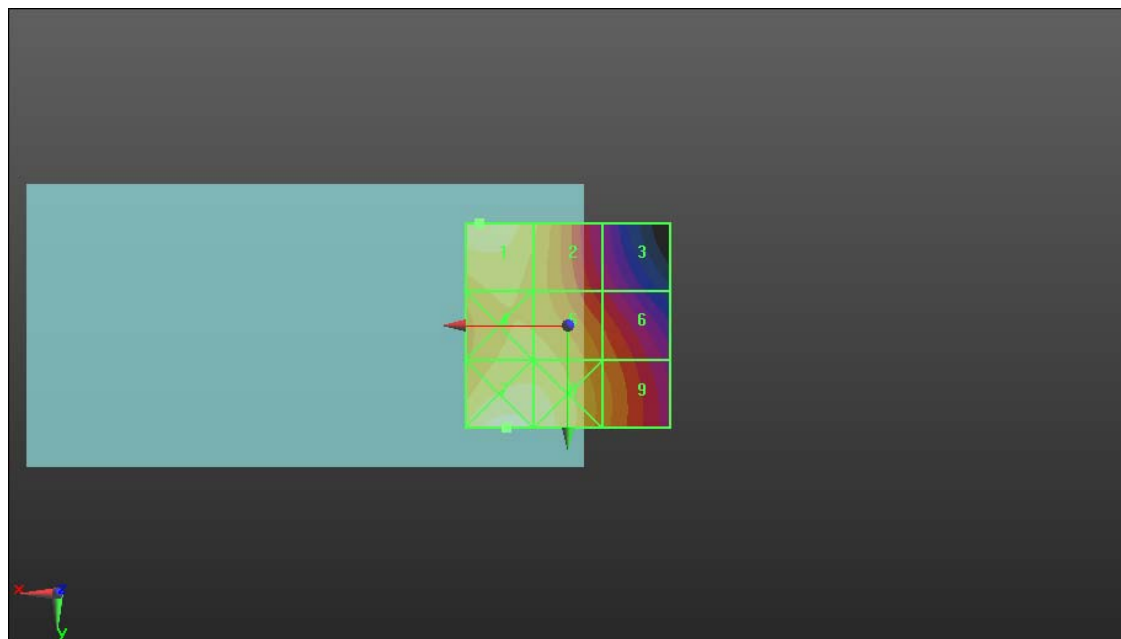
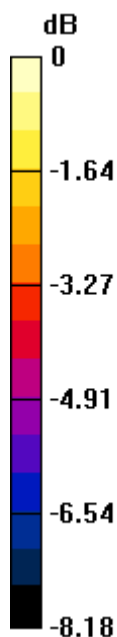
Reference Value = 0.088 A/m; Power Drift = 0.00045 dB

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

Peak H-field in A/m

Grid 1 0.093 M4	Grid 2 0.084 M4	Grid 3 0.061 M4
Grid 4 0.085 M4	Grid 5 0.085 M4	Grid 6 0.073 M4
Grid 7 0.097 M4	Grid 8 0.094 M4	Grid 9 0.076 M4

Location: 15, 25, 8.7 mm



0 dB = 0.100 A/m