

Test Laboratory: UL CCS SAR Lab C

System Validation

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011

- 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 52.6 (2); SEMCAD X Version 14.4.5 (3634)

CD835V3, Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

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

Maximum value of peak Total field = 167.8 V/m

Probe Modulation Factor = 1.000

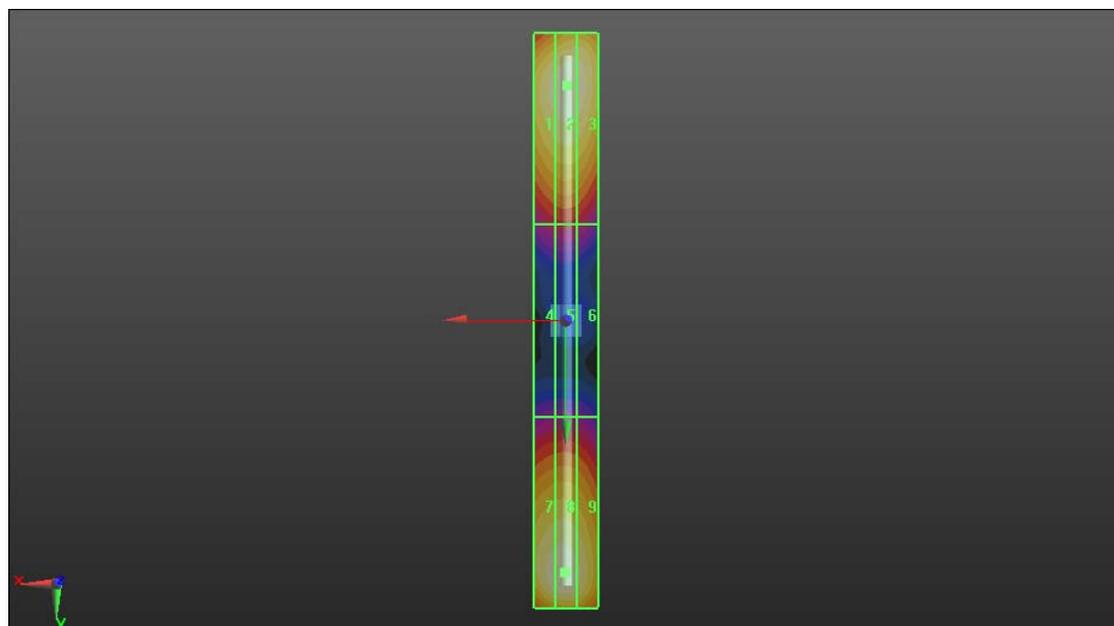
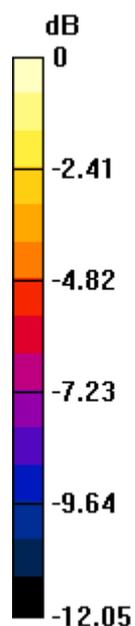
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 104.8 V/m; Power Drift = -0.02 dB

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

Peak E-field in V/m

Grid 1 160.0 M4	Grid 2 166.5 M4	Grid 3 163.7 M4
Grid 4 82.949 M4	Grid 5 85.137 M4	Grid 6 82.198 M4
Grid 7 163.6 M4	Grid 8 167.8 M4	Grid 9 157.5 M4



0 dB = 167.8V/m

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- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

CD1880V3, Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1):

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

Maximum value of peak Total field = 138.1 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

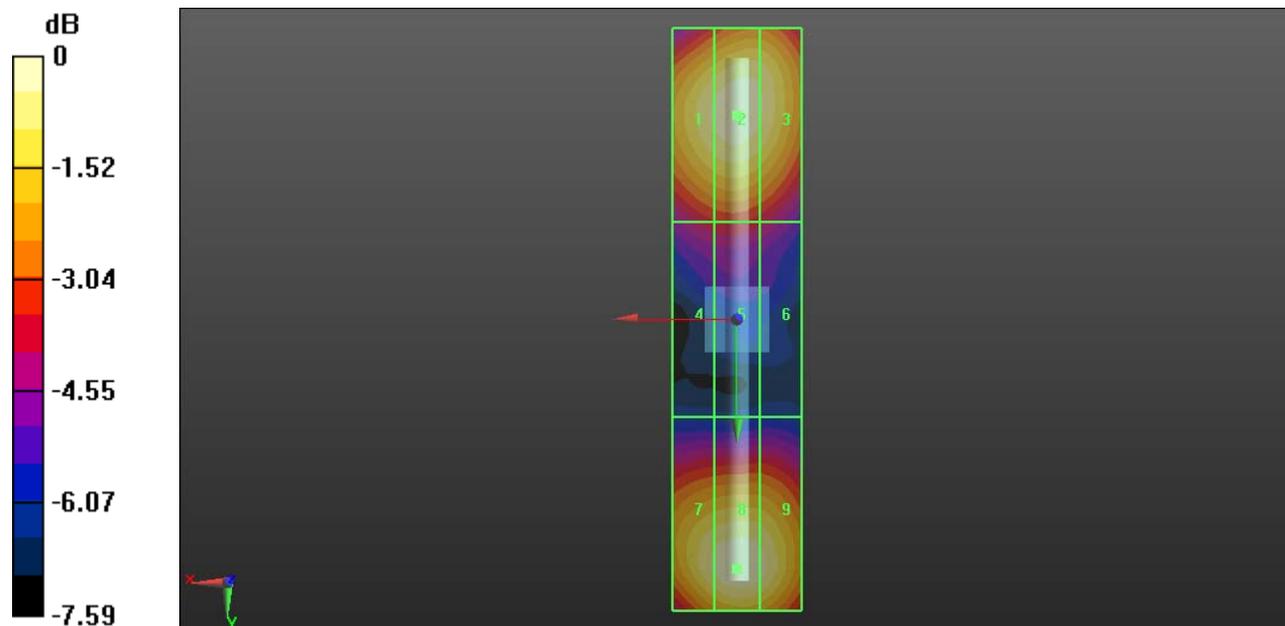
Reference Value = 155.9 V/m; Power Drift = -0.00015 dB

Hearing Aid Near-Field Category: **M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 131.6 M2	Grid 2 136.1 M2	Grid 3 132.0 M2
Grid 4 91.254 M3	Grid 5 93.143 M3	Grid 6 88.611 M3
Grid 7 132.0 M2	Grid 8 138.1 M2	Grid 9 133.9 M2

m



0 dB = 138.1V/m

Test Laboratory: UL CCS SAR Lab C

System Validation

Communication System: CW; Frequency: 835 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: 10/25/2011
- 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)

CD835V3, Dipole H-Field measurement/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

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

Maximum value of peak Total field = 0.437 A/m

Probe Modulation Factor = 1.000

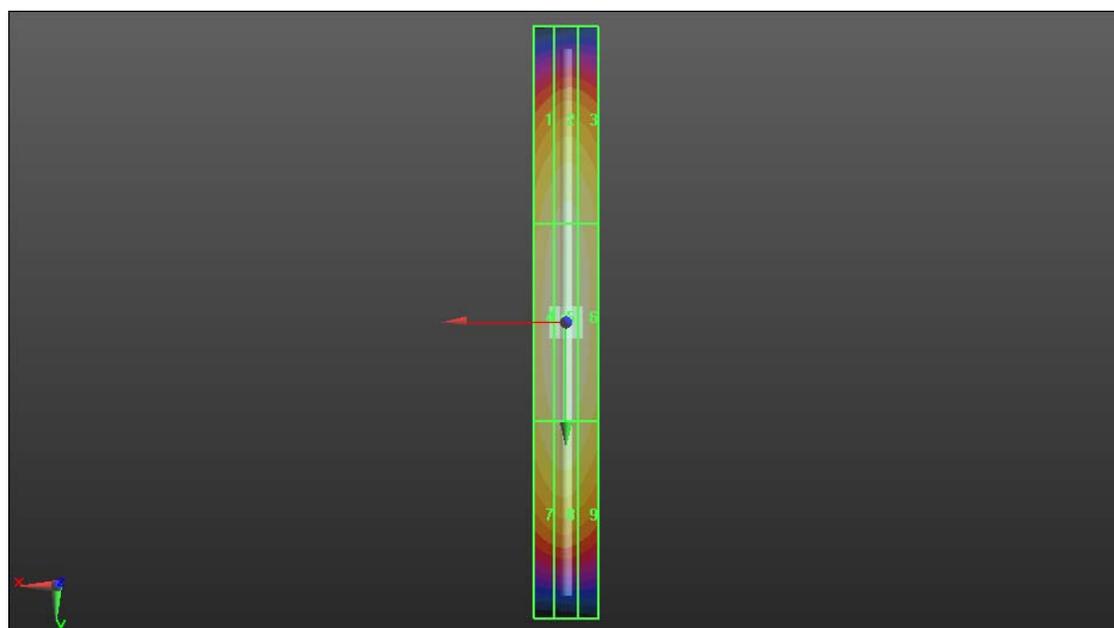
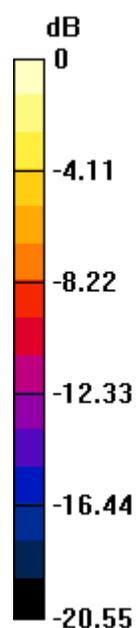
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.463 A/m; Power Drift = 0.02 dB

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

Peak H-field in A/m

Grid 1 0.381 M4	Grid 2 0.402 M4	Grid 3 0.388 M4
Grid 4 0.422 M4	Grid 5 0.437 M4	Grid 6 0.418 M4
Grid 7 0.377 M4	Grid 8 0.389 M4	Grid 9 0.368 M4



0 dB = 0.440A/m

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Phantom section: RF Section

DASY4 Configuration:

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- 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 52.6 (2); SEMCAD X Version 14.4.5 (3634)

CD1880V3, Dipole H-Field measurement/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.443 A/m

Probe Modulation Factor = 1.000

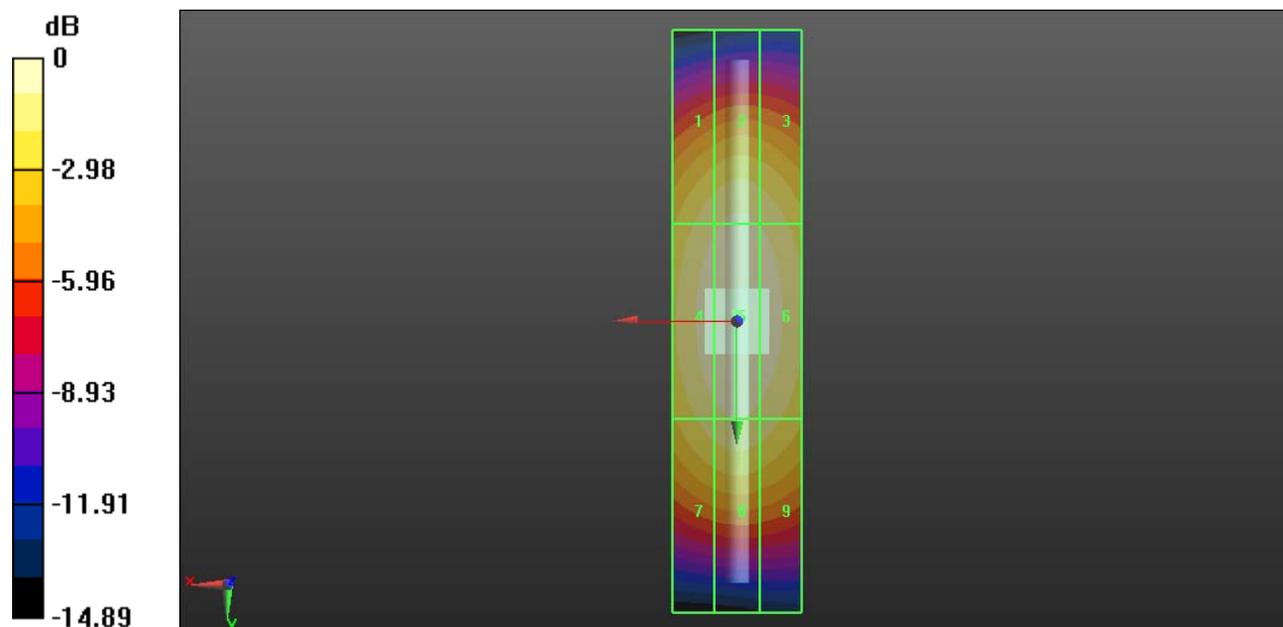
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.468 A/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.384 M2	0.405 M2	0.391 M2
Grid 4	Grid 5	Grid 6
0.424 M2	0.443 M2	0.427 M2
Grid 7	Grid 8	Grid 9
0.377 M2	0.392 M2	0.378 M2



0 dB = 0.440A/m