

Test Laboratory: UL CCS

System Validation

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

CD835V3_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 = 158.7 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 106.3 V/m; Power Drift = 0.0018 dB

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

Peak E-field in V/m

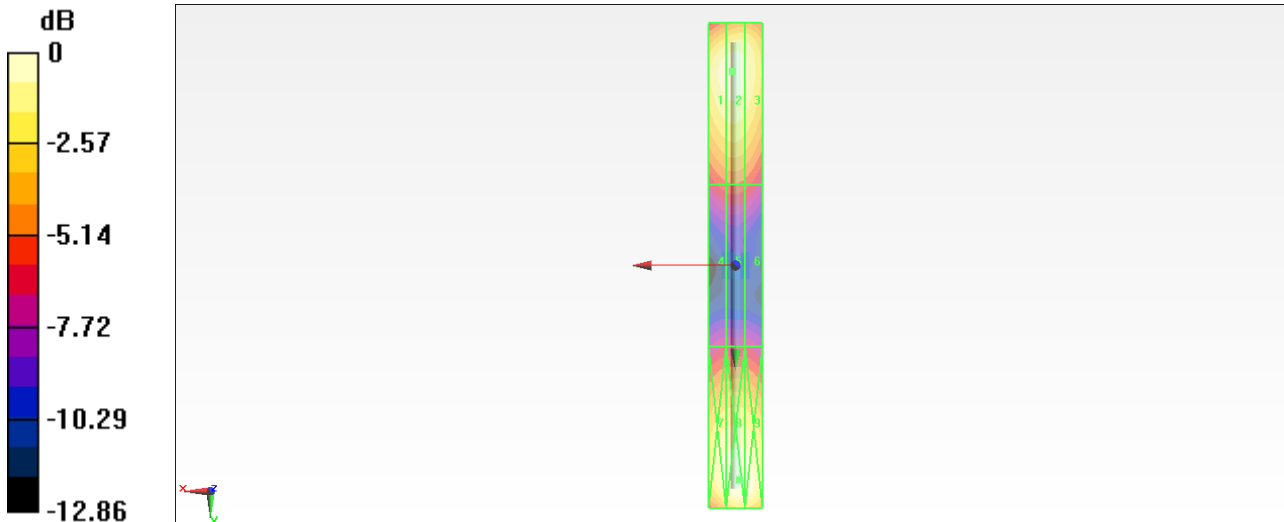
Grid 1 156.7 M4	Grid 2 158.7 M4	Grid 3 151.5 M4
Grid 4 88.001 M4	Grid 5 89.869 M4	Grid 6 86.214 M4
Grid 7 156.0 M4	Grid 8 163.4 M4	Grid 9 161.9 M4

Cursor:

Total = 163.4 V/m

E Category: M4

Location: -1.5, 79.5, 4.7 mm



0 dB = 163.4V/m

Test Laboratory: UL CCS

System Validation

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

CD1880V3_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 = 133.4 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 150.9 V/m; Power Drift = -0.01 dB

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

Peak E-field in V/m

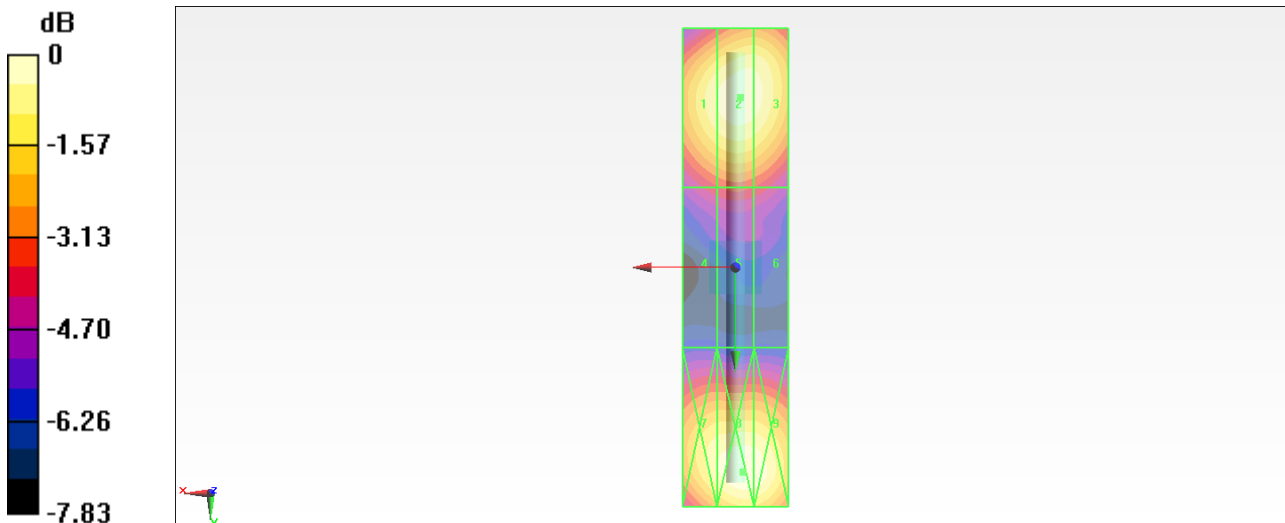
Grid 1 127.6 M2	Grid 2 133.4 M2	Grid 3 131.5 M2
Grid 4 88.114 M3	Grid 5 91.316 M3	Grid 6 88.616 M3
Grid 7 127.1 M2	Grid 8 135.3 M2	Grid 9 134.3 M2

Cursor:

Total = 135.3 V/m

E Category: M2

Location: -1.5, 38.5, 4.7 mm



0 dB = 135.3V/m

Test Laboratory: UL CCS

System Validation

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/25/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

CD835V3_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 = 0.475 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.507 A/m; Power Drift = -0.0069 dB

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

Peak H-field in A/m

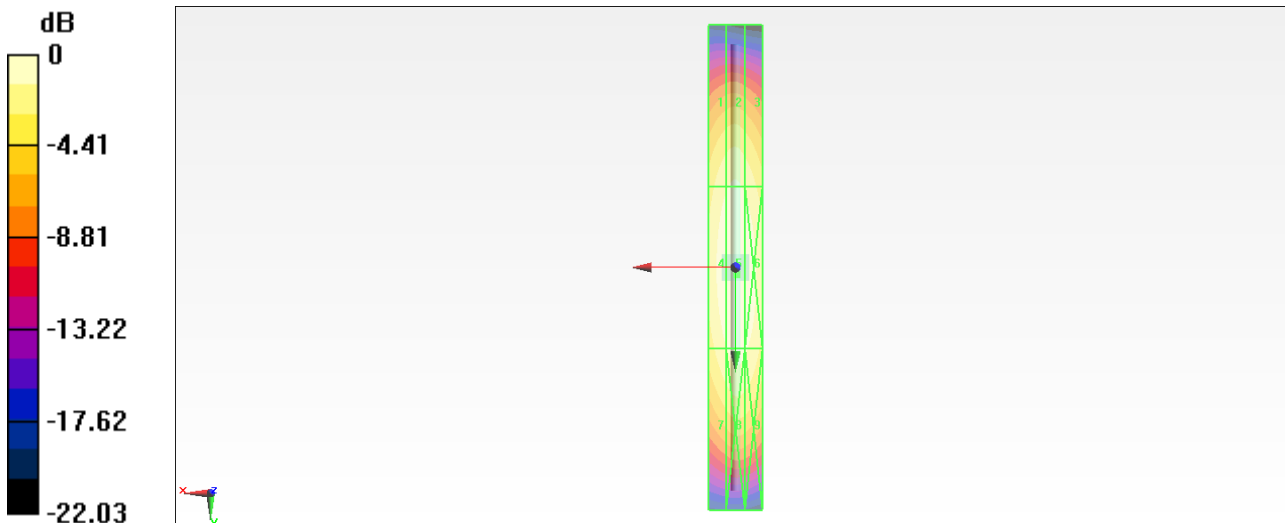
Grid 1 0.390 M4	Grid 2 0.408 M4	Grid 3 0.386 M4
Grid 4 0.447 M4	Grid 5 0.475 M4	Grid 6 0.456 M4
Grid 7 0.393 M4	Grid 8 0.423 M4	Grid 9 0.408 M4

Cursor:

Total = 0.475 A/m

H Category: M4

Location: -0.5, 2.5, 4.7 mm



0 dB = 0.470 A/m

Test Laboratory: UL CCS

System Validation

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/25/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

CD1880V3_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 = 0.475 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.503 A/m; Power Drift = -0.01 dB

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

Peak H-field in A/m

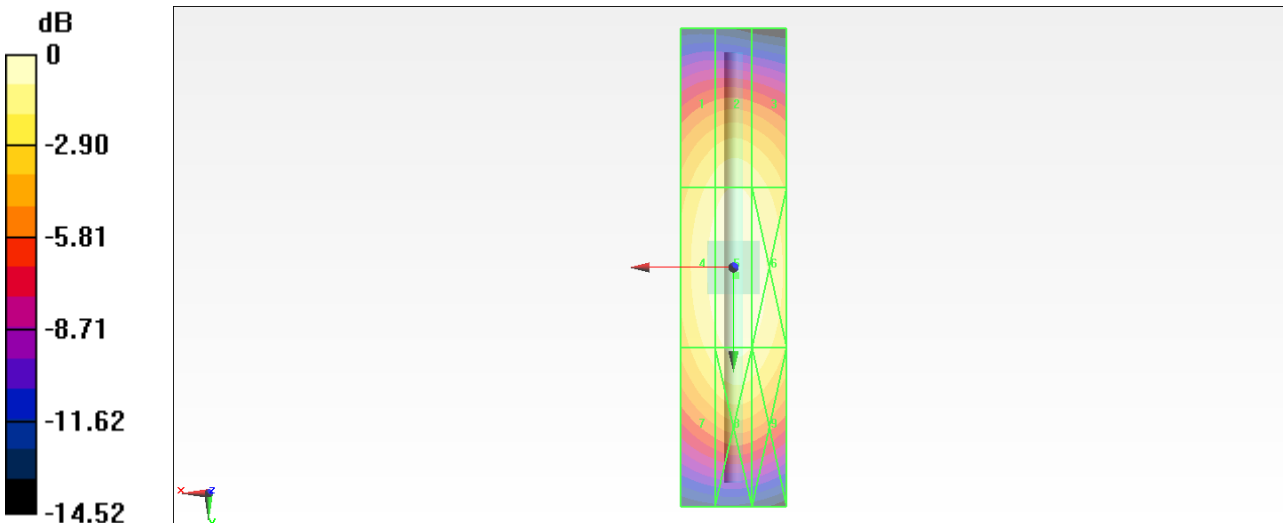
Grid 1 0.406 M2	Grid 2 0.431 M2	Grid 3 0.415 M2
Grid 4 0.447 M2	Grid 5 0.475 M2	Grid 6 0.460 M2
Grid 7 0.410 M2	Grid 8 0.442 M2	Grid 9 0.427 M2

Cursor:

Total = 0.475 A/m

H Category: M2

Location: -0.5, 1.5, 4.7 mm



0 dB = 0.480 A/m