ATTACHMENT B – DIPOLE VALIDATION

■ Validation Data (E-Field 835MHz)

Test Laboratory: HCT

DUT: HAC-Dipole 835 MHz; Type: D835V3
Program Name: HAC E Dipole

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Phantom section: E Dipole Section

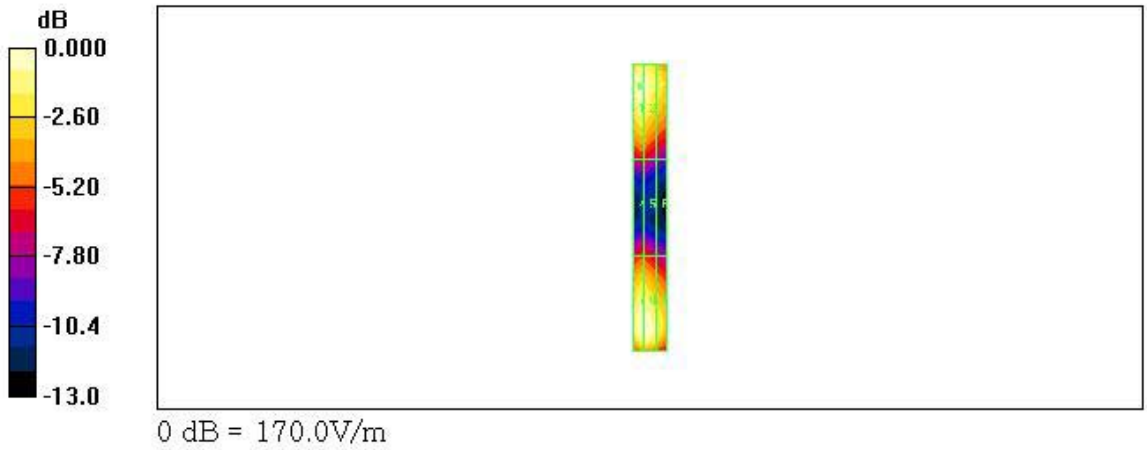
DASY4 Configuration:
- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 170.0 V/m
Probe Modulation Factor = 1.00
Reference Value = 130.1 V/m; Power Drift = 0.024 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

Grid 1 166.1	Grid 2 163.3	Grid 3 140.7
Grid 4 89.8	Grid 5 89.1	Grid 6 76.2
Grid 7 170.0	Grid 8 170.0	Grid 9 147.4



0 dB = 170.0V/m

■ Validation Data (E-Field 1880 MHz)

Test Laboratory: HCT

DUT: HAC Dipole 1880 MHz; Type: CD1880V3
Program Name: HAC E Dipole

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Phantom section: E Dipole Section

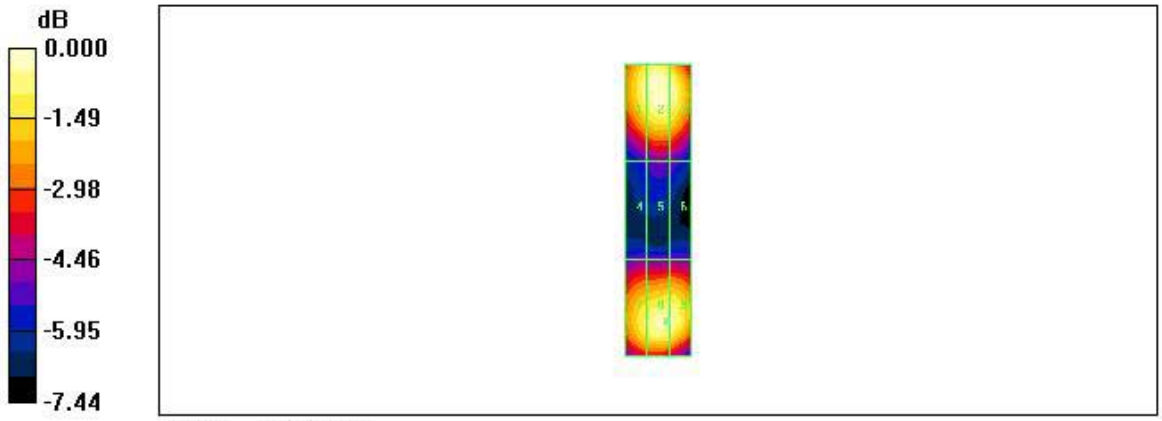
DASY4 Configuration:
- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 137.3 V/m
Probe Modulation Factor = 1.00
Reference Value = 116.6 V/m; Power Drift = 0.018 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

Grid 1 129.8	Grid 2 137.3	Grid 3 133.8
Grid 4 78.0	Grid 5 78.8	Grid 6 78.8
Grid 7 125.3	Grid 8 132.4	Grid 9 132.1



0 dB = 137.3V/m

■ Validation Data (H-Field 835 MHz)

Test Laboratory: HCT

DUT: HAC-Dipole 835 MHz; Type: D835V3
Program Name: HAC H Dipole

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: H Dipole Section

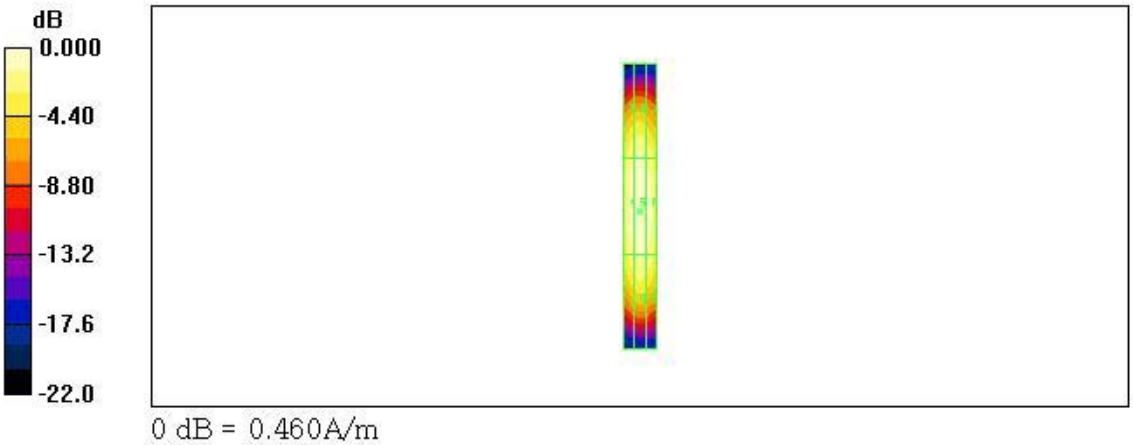
DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.460 A/m
Probe Modulation Factor = 1.00
Reference Value = 0.479 A/m; Power Drift = 0.088 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.388	0.404	0.381
Grid 4	Grid 5	Grid 6
0.438	0.460	0.437
Grid 7	Grid 8	Grid 9
0.384	0.408	0.388



0 dB = 0.460A/m

■ Validation Data (H-Field 1880 MHz)

Test Laboratory: HCT

DUT: HAC Dipole 1880 MHz; Type: CD1880V3
Program Name: HAC H Dipole

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: H Dipole Section

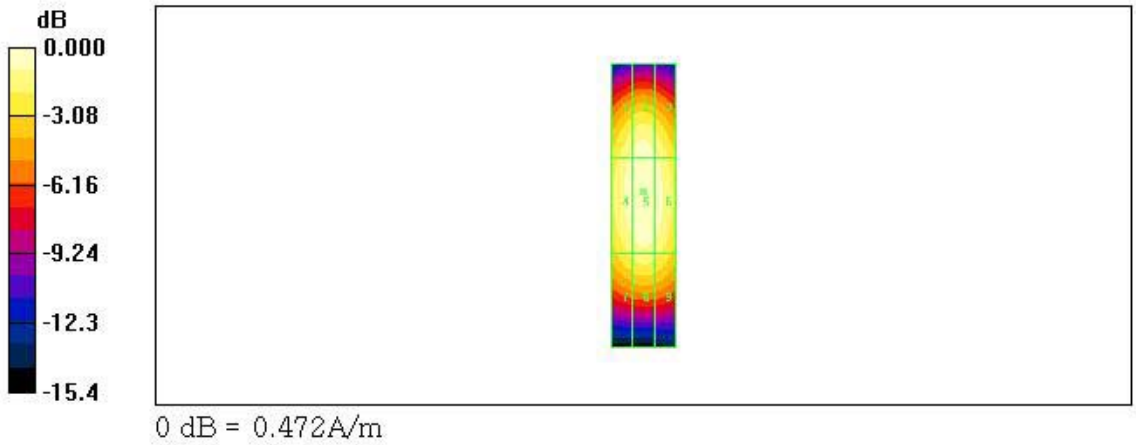
DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.472 A/m
Probe Modulation Factor = 1.00
Reference Value = 0.491 A/m; Power Drift = 0.025 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.431**	Grid 2 **0.453**	Grid 3 **0.430**
Grid 4 **0.451**	Grid 5 **0.472**	Grid 6 **0.451**
Grid 7 **0.385**	Grid 8 **0.406**	Grid 9 **0.390**



0 dB = 0.472A/m