

APPENDIX C (DIPOLE VALIDATION)

Test Laboratory: HCT CO., LTD.
 Ambient Temperature: 21.3 °C
 Test Date: Mar.3. 2008

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial:1071

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

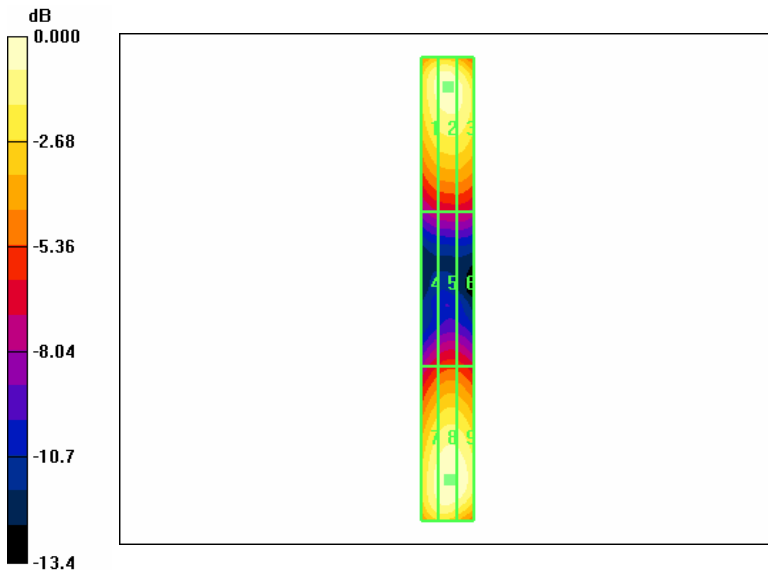
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 171.6 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 139.7 V/m; Power Drift = -0.023 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
162.5 M4	167.5 M4	163.2 M4
Grid 4	Grid 5	Grid 6
85.0 M4	90.4 M4	89.4 M4
Grid 7	Grid 8	Grid 9
163.2 M4	171.6 M4	170.1 M4

Cursor:
 Total = 171.6 V/m
 E Category: M4
 Location: -1, 74, 365.8 mm



0 dB = 171.6V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature: 21.3 °C
 Test Date: Mar.3. 2008

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial:1071

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Dipole Section ; Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

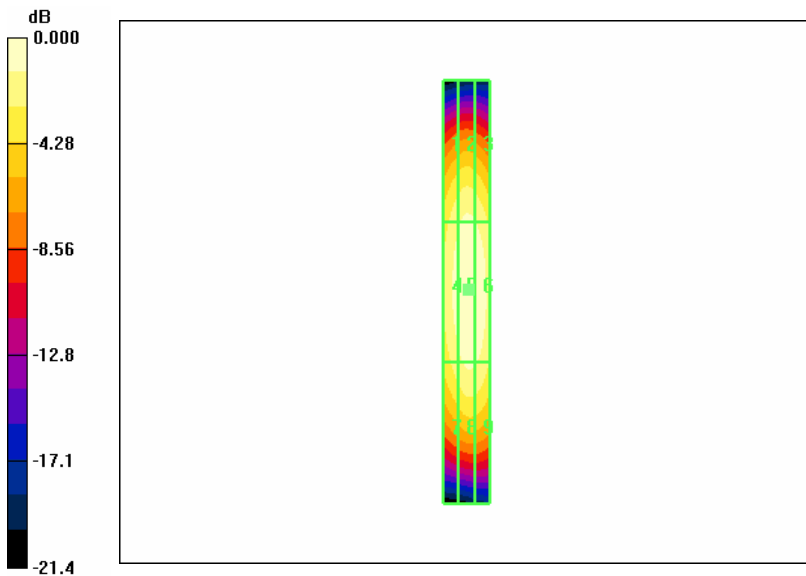
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.459 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.578 A/m; Power Drift = 0.009 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.376 M4	0.405 M4	0.392 M4
Grid 4	Grid 5	Grid 6
0.423 M4	0.459 M4	0.449 M4
Grid 7	Grid 8	Grid 9
0.368 M4	0.402 M4	0.395 M4

Cursor:
 Total = 0.459 A/m
 H Category: M4
 Location: -1, -1, 366.6 mm



0 dB = 0.459A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature 21.3 °C
 Test Date Mar.3, 2008

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial:1082

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

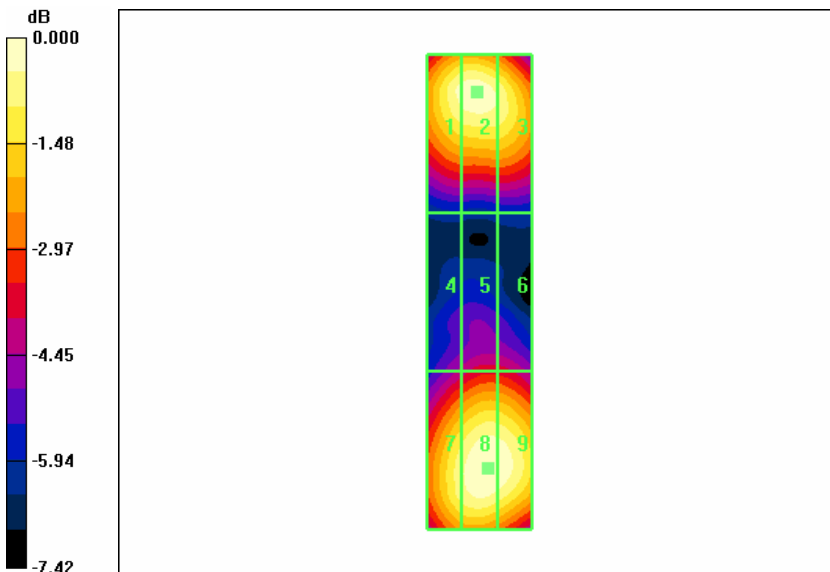
- DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 135.7 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 162.4 V/m; Power Drift = -0.007 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
130.9 M2	133.4 M2	127.5 M2
Grid 4	Grid 5	Grid 6
83.4 M3	89.7 M3	89.4 M3
Grid 7	Grid 8	Grid 9
126.5 M2	135.7 M2	134.6 M2

Cursor:
 Total = 135.7 V/m
 E Category: M2
 Location: -1.5, 33.5, 365.8 mm



0 dB = 135.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature 21.3 °C
 Test Date Mar,3. 2008

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial:1082

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Dipole Section ; Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

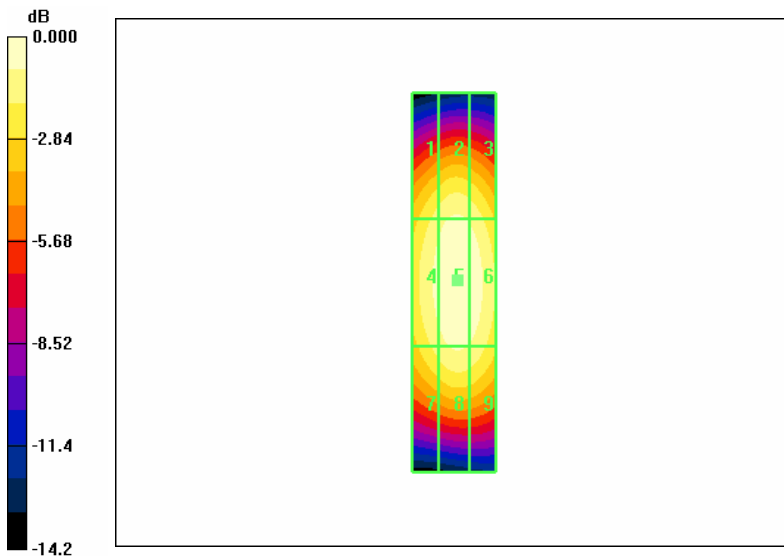
- DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.424 A/m Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.525 A/m; Power Drift = 0.012 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.362 M2	0.388 M2	0.376 M2
Grid 4	Grid 5	Grid 6
0.397 M2	0.424 M2	0.413 M2
Grid 7	Grid 8	Grid 9
0.360 M2	0.387 M2	0.378 M2

Cursor:
 Total = 0.424 A/m
 H Category: M2
 Location: -1, -0.5, 366.6 mm



0 dB = 0.424A/m