

APPENDIX C (DIPOLE VALIDATION)

Test Laboratory: HCT CO., LTD.

Ambient Temperature 21.5 °C

Test Date Mar. 21, 2009

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial:1019

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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = 141.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 168.0 V/m; Power Drift = 0.006 dB

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

Peak E-field in V/m

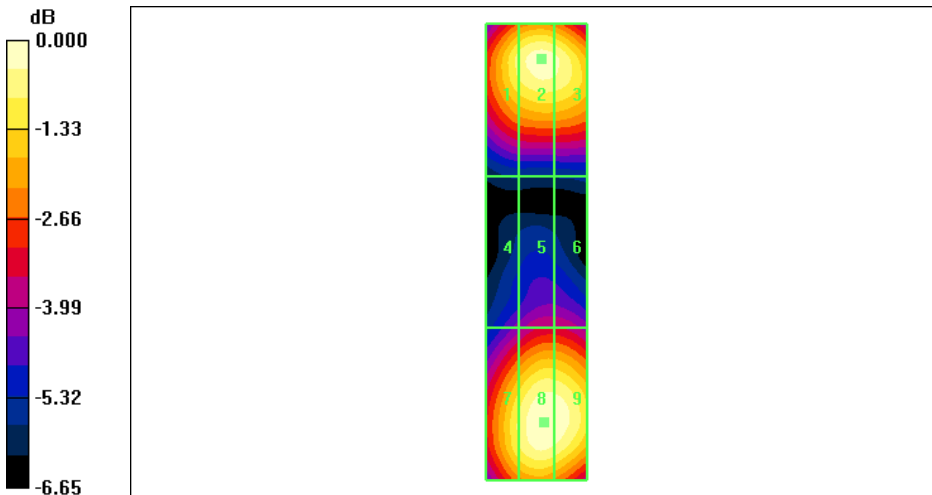
Grid 1 131.0 M2	Grid 2 139.1 M2	Grid 3 137.1 M2
Grid 4 87.9 M3	Grid 5 95.7 M3	Grid 6 95.6 M3
Grid 7 129.9 M2	Grid 8 141.9 M2	Grid 9 140.9 M2

Cursor:

Total = 141.9 V/m

E Category: M2

Location: -1.5, 33.5, 365.8 mm



0 dB = 141.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature 21.5 °C

Test Date Mar. 21, 2009

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial:1024

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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2008-07-17

- 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 = 0.445 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.552 A/m; Power Drift = 0.040 dB

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

Peak H-field in A/m

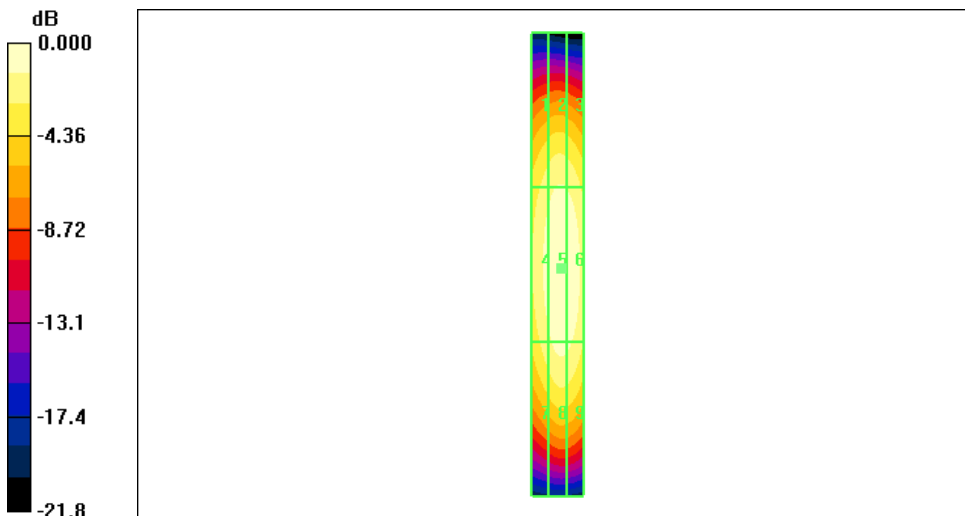
Grid 1	Grid 2	Grid 3
0.353 M4	0.382 M4	0.375 M4
Grid 4	Grid 5	Grid 6
0.406 M4	0.445 M4	0.437 M4
Grid 7	Grid 8	Grid 9
0.361 M4	0.400 M4	0.393 M4

Cursor:

Total = 0.445 A/m

H Category: M4

Location: -1.5, 1.5, 366.6 mm



0 dB = 0.445A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature: 21.5 °C
 Test Date: Mar. 21, 2009

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial:1019

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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = 0.473 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.577 A/m; Power Drift = -0.031 dB

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

Peak H-field in A/m

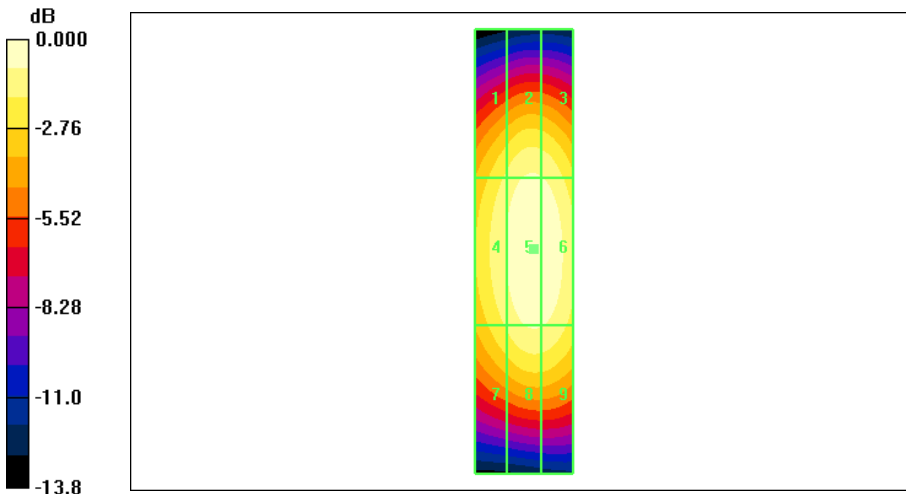
Grid 1	Grid 2	Grid 3
0.392 M2	0.432 M2	0.427 M2
Grid 4	Grid 5	Grid 6
0.429 M2	0.473 M2	0.468 M2
Grid 7	Grid 8	Grid 9
0.389 M2	0.430 M2	0.427 M2

Cursor:

Total = 0.473 A/m

H Category: M2

Location: -2, -0.5, 366.6 mm



0 dB = 0.473A/m