

APPENDIX C (DIPOLE VALIDATION)

Test Laboratory: HCT CO., LTD.
 Ambient Temperature: 21.5
 Test Date: Jan. 18,2008

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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 176

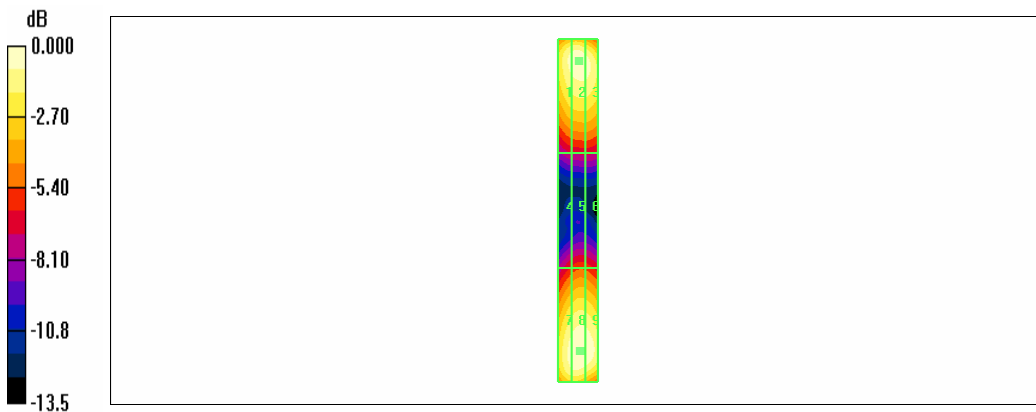
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 172.1 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 140.0 V/m; Power Drift = -0.040 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
162.7 M4	167.4 M4	163.3 M4
Grid 4	Grid 5	Grid 6
85.3 M4	90.7 M4	89.4 M4
Grid 7	Grid 8	Grid 9
163.9 M4	172.1 M4	170.2 M4

Cursor:
 Total = 172.1 V/m
 E Category: M4
 Location: -1, 74, 365.8 mm



0 dB = 172.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature 21.5

Test Date Jan. 18,2008

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 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 = 137.5 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 164.4 V/m; Power Drift = -0.009 dB

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

Peak E-field in V/m

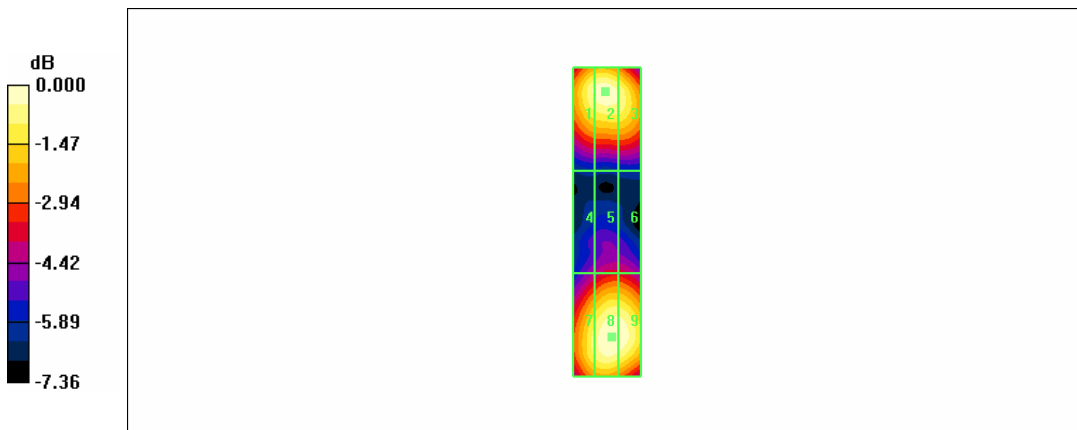
Grid 1	Grid 2	Grid 3
132.3 M2	135.4 M2	129.7 M2
Grid 4	Grid 5	Grid 6
84.4 M3	91.1 M3	90.9 M3
Grid 7	Grid 8	Grid 9
127.3 M2	137.5 M2	136.6 M2

Cursor:

Total = 137.5 V/m

E Category: M2

Location: -1.5, 33.5, 365.8 mm



0 dB = 137.5V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature: 21.5
 Test Date: Jan. 18,2008

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

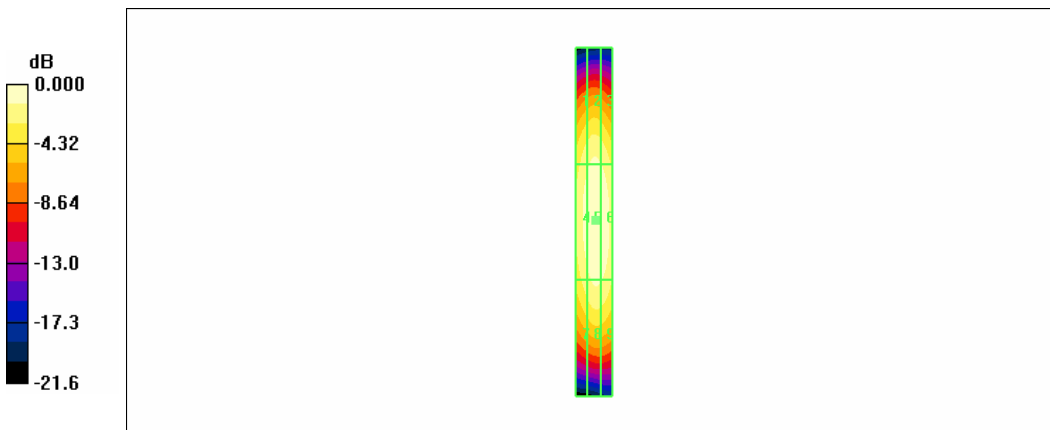
- DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (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 = 0.579 A/m; Power Drift = -0.006 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.377 M4	0.404 M4	0.391 M4
Grid 4	Grid 5	Grid 6
0.424 M4	0.459 M4	0.448 M4
Grid 7	Grid 8	Grid 9
0.368 M4	0.402 M4	0.394 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: 21.5
 Test Date: Jan. 18,2008

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 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

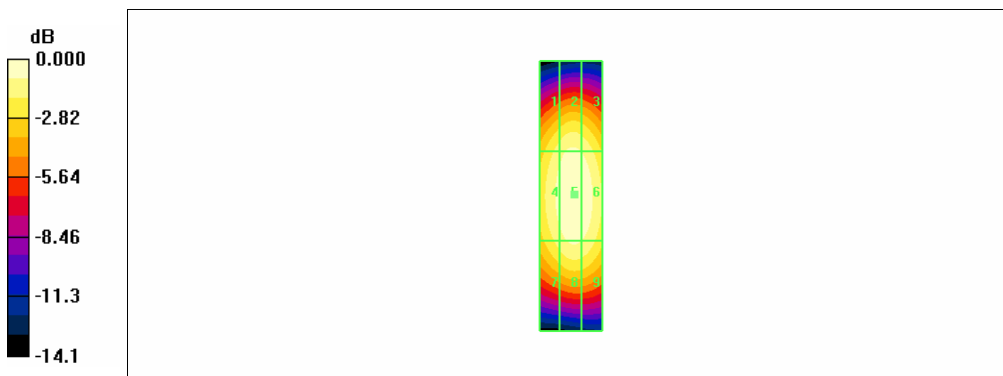
H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.438 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.545 A/m; Power Drift = 0.051 dB
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.375 M2	0.402 M2	0.389 M2
Grid 4	Grid 5	Grid 6
0.410 M2	0.438 M2	0.427 M2
Grid 7	Grid 8	Grid 9
0.373 M2	0.400 M2	0.391 M2

Cursor:
 Total = 0.438 A/m
 H Category: M2
 Location: -1, -0.5, 366.6 mm



0 dB = 0.438A/m