

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1013

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 33.9 V/m

Probe Modulation Factor = 0.948

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 43.8 V/m; Power Drift = -0.022 dB

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

Peak E-field in V/m

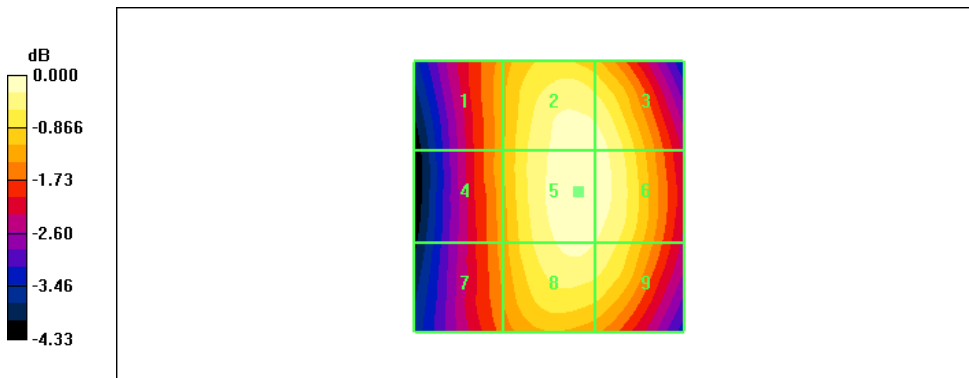
Grid 1	Grid 2	Grid 3
29.6 M4	33.6 M4	33.4 M4
Grid 4	Grid 5	Grid 6
29.6 M4	33.9 M4	33.6 M4
Grid 7	Grid 8	Grid 9
29.3 M4	33.2 M4	32.8 M4

Cursor:

Total = 33.9 V/m

E Category: M4

Location: -5.5, -1, 370.9 mm



0 dB = 33.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /384

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 38.6 V/m

Probe Modulation Factor = 0.948

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 51.4 V/m; Power Drift = -0.119 dB

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

Peak E-field in V/m

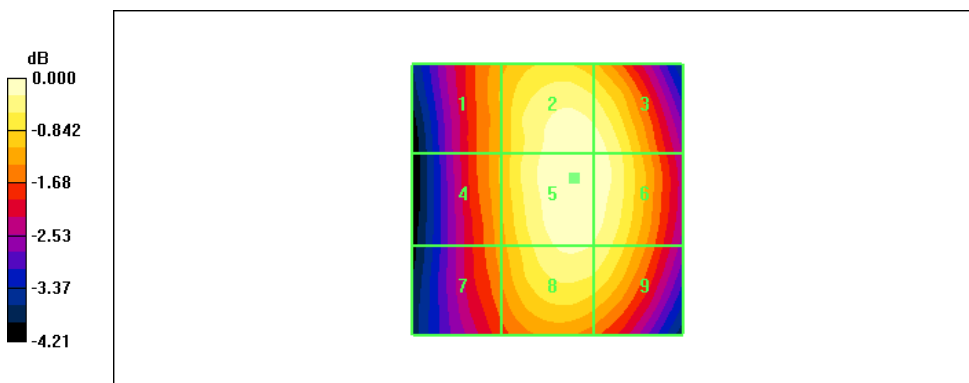
Grid 1	Grid 2	Grid 3
34.1 M4	38.5 M4	38.2 M4
Grid 4	Grid 5	Grid 6
34.2 M4	38.6 M4	38.5 M4
Grid 7	Grid 8	Grid 9
33.5 M4	37.6 M4	37.3 M4

Cursor:

Total = 38.6 V/m

E Category: M4

Location: -5, -4, 370.9 mm



0 dB = 38.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C / 777

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 42.6 V/m

Probe Modulation Factor = 0.948

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 55.8 V/m; Power Drift = 0.008 dB

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

Peak E-field in V/m

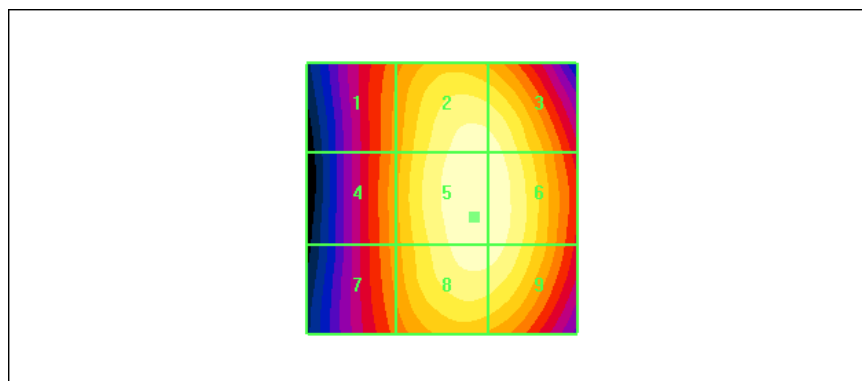
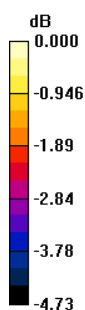
Grid 1	Grid 2	Grid 3
36.2 M4	42.1 M4	41.9 M4
Grid 4	Grid 5	Grid 6
36.6 M4	42.6 M4	42.3 M4
Grid 7	Grid 8	Grid 9
36.3 M4	42.2 M4	42.0 M4

Cursor:

Total = 42.6 V/m

E Category: M4

Location: -6, 3.5, 370.9 mm



0 dB = 42.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 29.7 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 24.7 V/m; Power Drift = -0.008 dB

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

Peak E-field in V/m

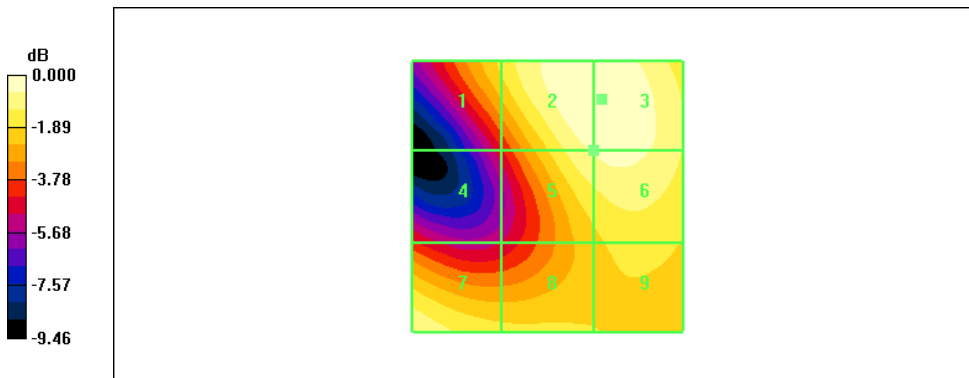
Grid 1	Grid 2	Grid 3
24.4 M4	29.7 M4	29.7 M4
Grid 4	Grid 5	Grid 6
18.4 M4	27.8 M4	28.4 M4
Grid 7	Grid 8	Grid 9
27.6 M4	24.6 M4	24.6 M4

Cursor:

Total = 29.7 V/m

E Category: M4

Location: -10, -18, 370.9 mm



0 dB = 29.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /600

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.0 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 24.5 V/m; Power Drift = 0.059 dB

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

Peak E-field in V/m

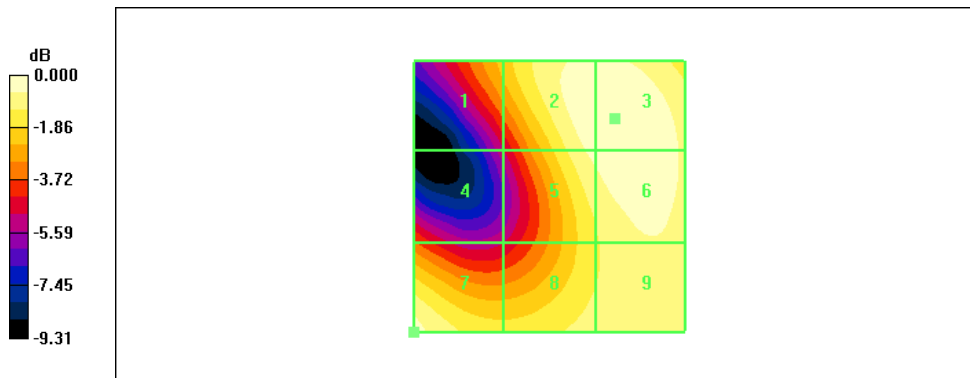
Grid 1	Grid 2	Grid 3
21.7 M4	27.7 M4	28.0 M4
Grid 4	Grid 5	Grid 6
18.6 M4	26.7 M4	27.7 M4
Grid 7	Grid 8	Grid 9
26.9 M4	25.0 M4	26.0 M4

Cursor:

Total = 28.0 V/m

E Category: M4

Location: -12, -14.5, 370.9 mm



0 dB = 28.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1175

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 24.9 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 20.9 V/m; Power Drift = 0.041 dB

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

Peak E-field in V/m

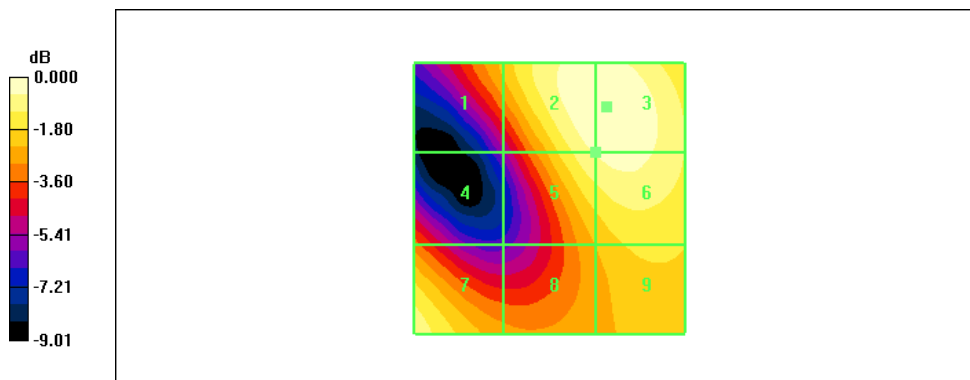
Grid 1	Grid 2	Grid 3
19.4 M4	24.8 M4	24.9 M4
Grid 4	Grid 5	Grid 6
17.0 M4	23.3 M4	24.0 M4
Grid 7	Grid 8	Grid 9
22.9 M4	18.9 M4	20.7 M4

Cursor:

Total = 24.9 V/m

E Category: M4

Location: -10.5, -17, 370.9 mm



0 dB = 24.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /128

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 76.0 V/m

Probe Modulation Factor = 2.68

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 34.7 V/m; Power Drift = 0.002 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

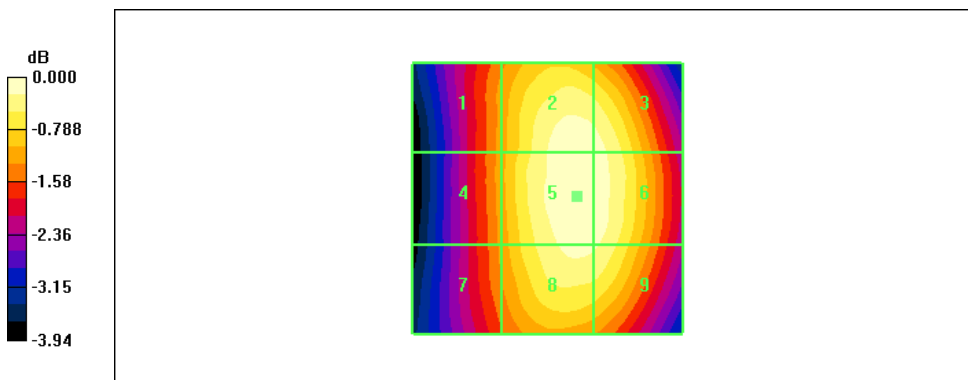
Grid 1	Grid 2	Grid 3
66.5 M4	75.5 M4	75.0 M4
Grid 4	Grid 5	Grid 6
66.7 M4	76.0 M4	75.3 M4
Grid 7	Grid 8	Grid 9
66.1 M4	74.5 M4	74.2 M4

Cursor:

Total = 76.0 V/m

E Category: M4

Location: -5.5, -0.5, 370.9 mm



0 dB = 76.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /190

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 96.0 V/m

Probe Modulation Factor = 2.68

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 43.4 V/m; Power Drift = 0.291 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

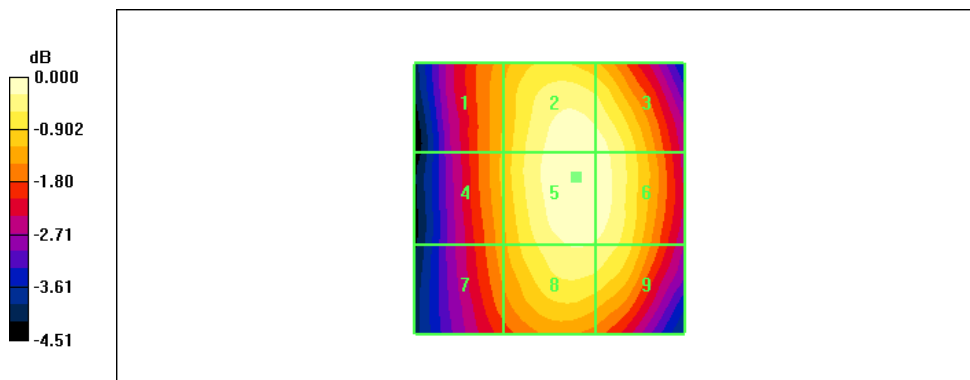
Grid 1	Grid 2	Grid 3
84.5 M4	95.6 M4	94.8 M4
Grid 4	Grid 5	Grid 6
84.7 M4	96.0 M4	95.3 M4
Grid 7	Grid 8	Grid 9
82.9 M4	93.0 M4	92.4 M4

Cursor:

Total = 96.0 V/m

E Category: M4

Location: -5, -4, 370.9 mm



0 dB = 96.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /251

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 97.4 V/m

Probe Modulation Factor = 2.68

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 46.0 V/m; Power Drift = -0.162 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

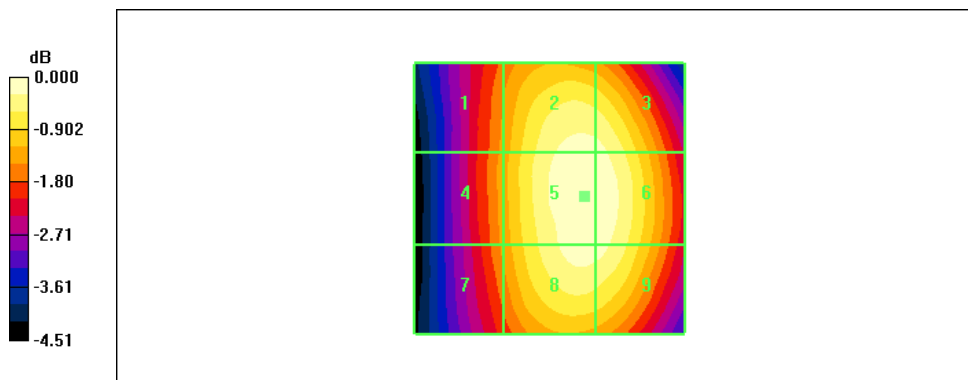
Grid 1	Grid 2	Grid 3
83.3 M4	95.5 M4	95.3 M4
Grid 4	Grid 5	Grid 6
83.9 M4	97.4 M4	97.0 M4
Grid 7	Grid 8	Grid 9
82.9 M4	95.9 M4	95.6 M4

Cursor:

Total = 97.4 V/m

E Category: M4

Location: -6.5, -0.5, 370.9 mm



0 dB = 97.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /512

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 39.1 V/m

Probe Modulation Factor = 2.58

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 12.5 V/m; Power Drift = -0.070 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

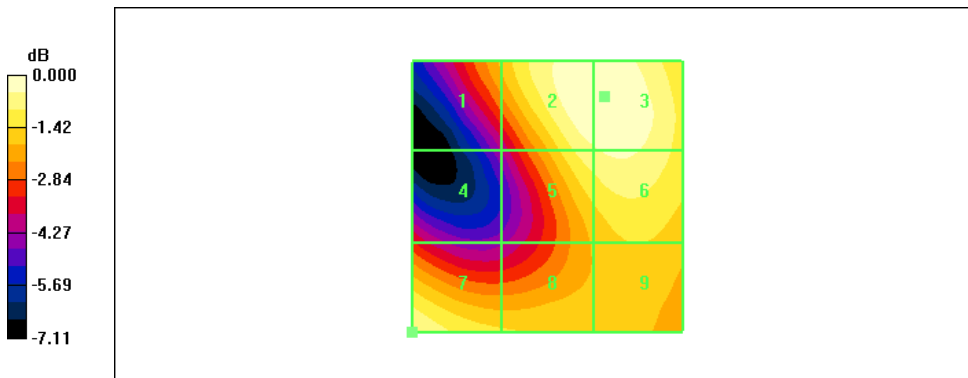
Grid 1	Grid 2	Grid 3
31.9 M4	39.1 M4	39.1 M4
Grid 4	Grid 5	Grid 6
27.0 M4	36.7 M4	37.4 M4
Grid 7	Grid 8	Grid 9
37.3 M4	33.5 M4	33.3 M4

Cursor:

Total = 39.1 V/m

E Category: M4

Location: -10.5, -18.5, 370.9 mm



0 dB = 39.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /661

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 41.1 V/m

Probe Modulation Factor = 2.58

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 13.8 V/m; Power Drift = -0.001 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

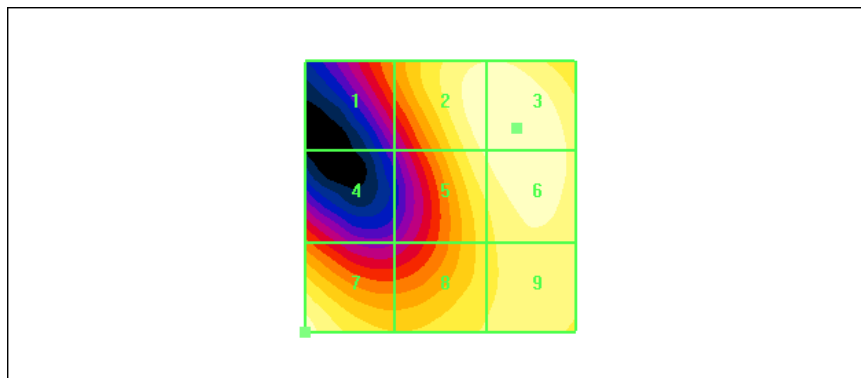
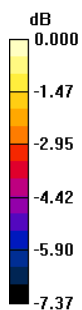
Grid 1	Grid 2	Grid 3
31.4 M4	40.5 M4	41.1 M4
Grid 4	Grid 5	Grid 6
30.0 M4	39.3 M4	40.9 M4
Grid 7	Grid 8	Grid 9
40.2 M4	36.9 M4	38.6 M4

Cursor:

Total = 41.1 V/m

E Category: M4

Location: -14, -12.5, 370.9 mm



0 dB = 41.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /810

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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 184

DASY4 Configuration:

- Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 40.3 V/m

Probe Modulation Factor = 2.58

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 13.3 V/m; Power Drift = -0.382 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

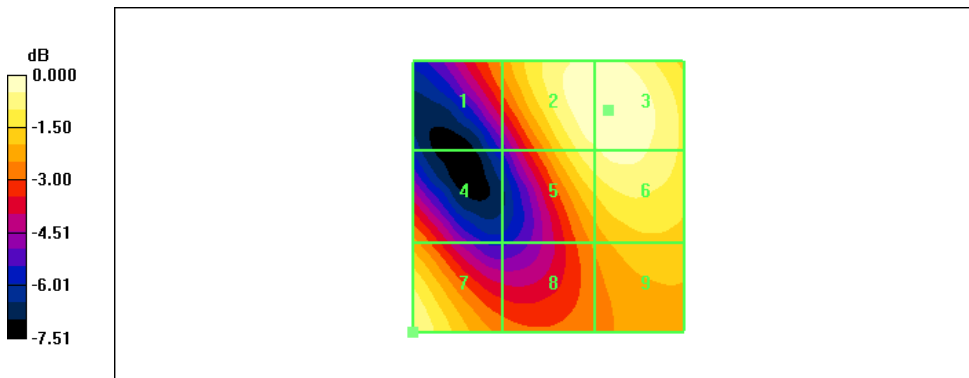
Grid 1	Grid 2	Grid 3
30.7 M4	40.0 M4	40.3 M4
Grid 4	Grid 5	Grid 6
31.0 M4	37.7 M4	38.9 M4
Grid 7	Grid 8	Grid 9
38.3 M4	30.7 M4	33.5 M4

Cursor:

Total = 40.3 V/m

E Category: M4

Location: -11, -16, 370.9 mm



0 dB = 40.3V/m

Test Laboratory: HCT CO., LTD.
Ambient Temperature / Channel 21.5 °C /661
Test Date June 5, 2011
Option Extended Battery

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 40.8 V/m

Probe Modulation Factor = 2.58

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 13.3 V/m; Power Drift = -0.040 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

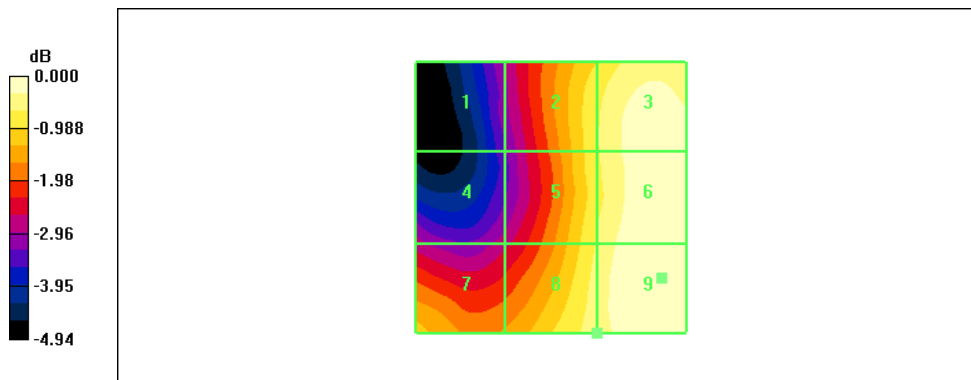
Grid 1	Grid 2	Grid 3
29.1 M4	37.7 M4	40.4 M4
Grid 4	Grid 5	Grid 6
29.8 M4	38.0 M4	40.6 M4
Grid 7	Grid 8	Grid 9
35.7 M4	38.6 M4	40.8 M4

Cursor:

Total = 40.8 V/m

E Category: M4

Location: -20.5, 15, 370.9 mm



0 dB = 40.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1013

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.077 A/m

Probe Modulation Factor = 0.862

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.061 A/m; Power Drift = -0.065 dB

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

Peak H-field in A/m

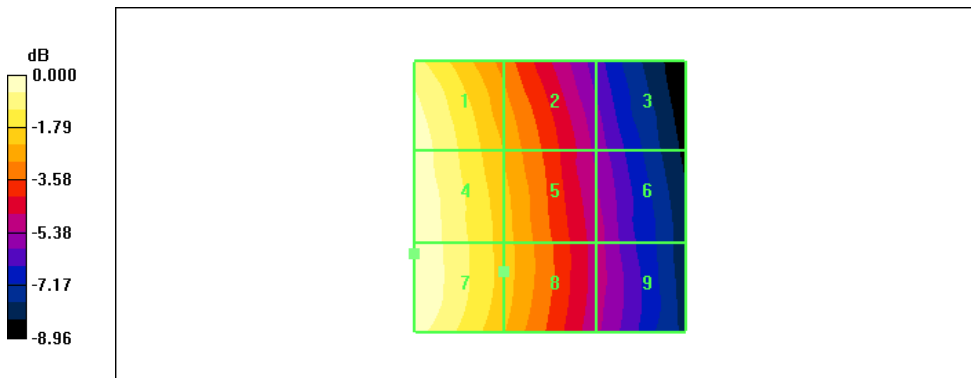
Grid 1	Grid 2	Grid 3
0.075 M4	0.058 M4	0.041 M4
Grid 4	Grid 5	Grid 6
0.077 M4	0.061 M4	0.043 M4
Grid 7	Grid 8	Grid 9
0.077 M4	0.061 M4	0.043 M4

Cursor:

Total = 0.077 A/m

H Category: M4

Location: 25, 10.5, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /384

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.083 A/m

Probe Modulation Factor = 0.862

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.061 A/m; Power Drift = 0.128 dB

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

Peak H-field in A/m

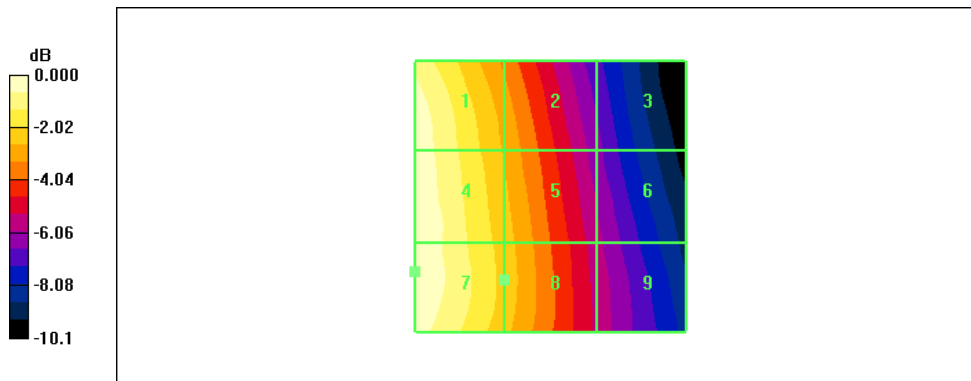
Grid 1 0.081 M4	Grid 2 0.060 M4	Grid 3 0.040 M4
Grid 4 0.082 M4	Grid 5 0.063 M4	Grid 6 0.043 M4
Grid 7 0.083 M4	Grid 8 0.064 M4	Grid 9 0.044 M4

Cursor:

Total = 0.083 A/m

H Category: M4

Location: 25, 14, 370.9 mm



0 dB = 0.083A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C / 777

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.093 A/m

Probe Modulation Factor = 0.862

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.069 A/m; Power Drift = -0.078 dB

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

Peak H-field in A/m

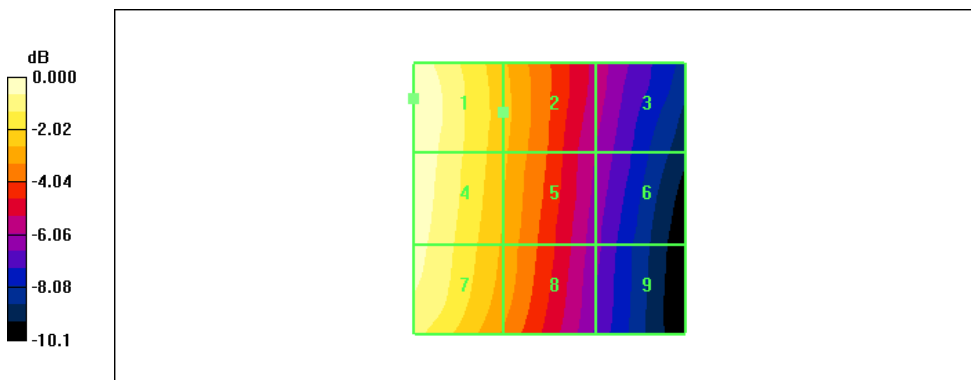
Grid 1	Grid 2	Grid 3
0.093 M4	0.070 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.092 M4	0.069 M4	0.046 M4
Grid 7	Grid 8	Grid 9
0.089 M4	0.067 M4	0.044 M4

Cursor:

Total = 0.093 A/m

H Category: M4

Location: 25, -18.5, 370.9 mm



0 dB = 0.093A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.066 A/m

Probe Modulation Factor = 0.770

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.083 A/m; Power Drift = 0.041 dB

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

Peak H-field in A/m

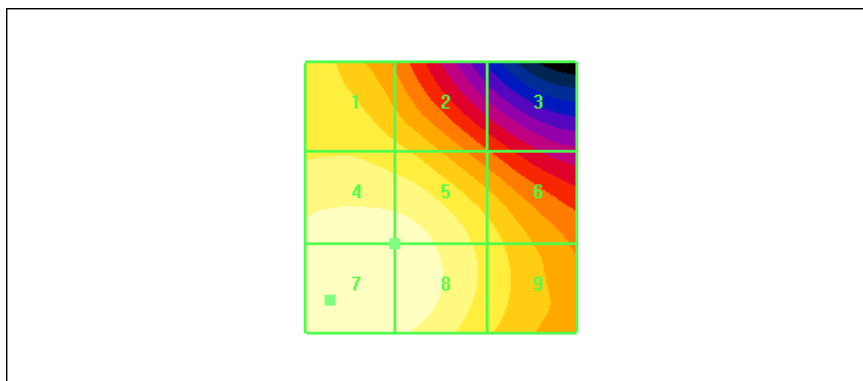
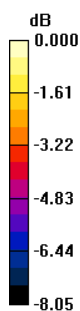
Grid 1 0.058 M4	Grid 2 0.056 M4	Grid 3 0.046 M4
Grid 4 0.065 M4	Grid 5 0.064 M4	Grid 6 0.057 M4
Grid 7 0.066 M4	Grid 8 0.065 M4	Grid 9 0.057 M4

Cursor:

Total = 0.066 A/m

H Category: M4

Location: 20.5, 19, 370.9 mm



0 dB = 0.066A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /600

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.069 A/m

Probe Modulation Factor = 0.770

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.089 A/m; Power Drift = -0.025 dB

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

Peak H-field in A/m

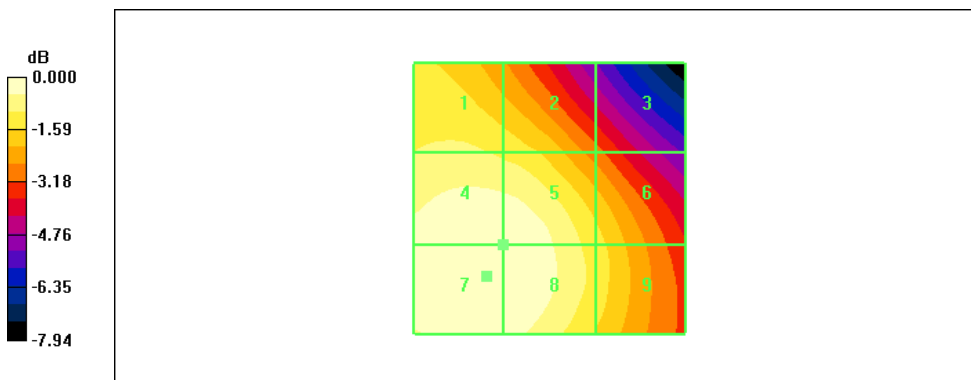
Grid 1	Grid 2	Grid 3
0.062 M4	0.060 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.069 M4	0.068 M4	0.059 M4
Grid 7	Grid 8	Grid 9
0.069 M4	0.069 M4	0.060 M4

Cursor:

Total = 0.069 A/m

H Category: M4

Location: 11.5, 14.5, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1175

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.070 A/m

Probe Modulation Factor = 0.770

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.095 A/m; Power Drift = -0.065 dB

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

Peak H-field in A/m

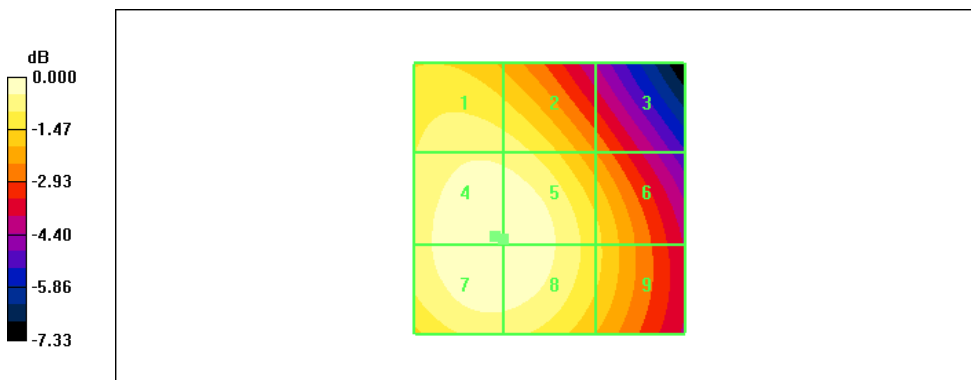
Grid 1	Grid 2	Grid 3
0.066 M4	0.065 M4	0.053 M4
Grid 4	Grid 5	Grid 6
0.070 M4	0.070 M4	0.060 M4
Grid 7	Grid 8	Grid 9
0.070 M4	0.070 M4	0.060 M4

Cursor:

Total = 0.070 A/m

H Category: M4

Location: 10, 7, 370.9 mm



0 dB = 0.070A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /128

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.142 A/m

Probe Modulation Factor = 2.02

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.048 A/m; Power Drift = -0.050 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

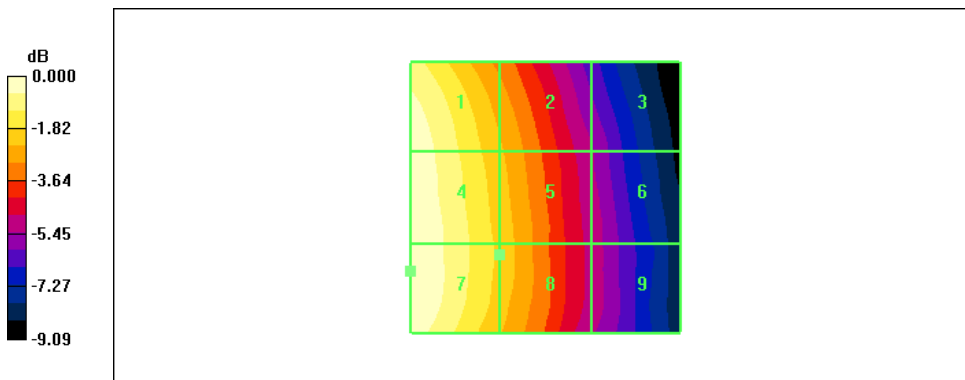
Grid 1	Grid 2	Grid 3
0.139 M4	0.109 M4	0.077 M4
Grid 4	Grid 5	Grid 6
0.142 M4	0.113 M4	0.080 M4
Grid 7	Grid 8	Grid 9
0.142 M4	0.113 M4	0.080 M4

Cursor:

Total = 0.142 A/m

H Category: M4

Location: 25, 13.5, 370.9 mm



0 dB = 0.142A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /190

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.163 A/m

Probe Modulation Factor = 2.02

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.052 A/m; Power Drift = 0.086 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

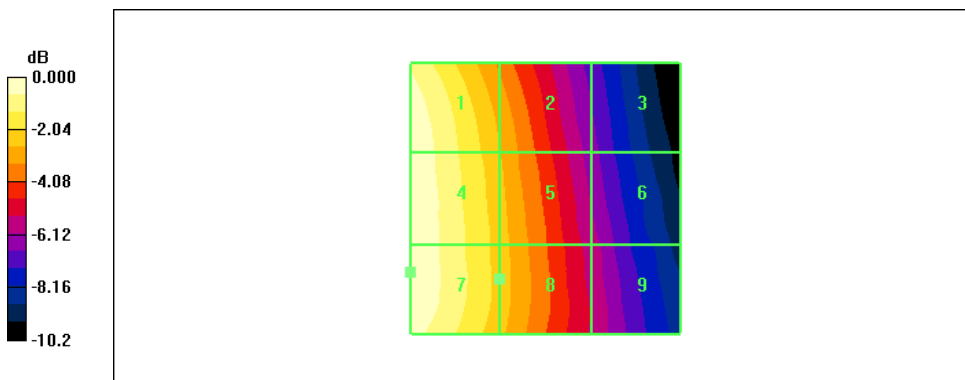
Grid 1	Grid 2	Grid 3
0.161 M4	0.120 M4	0.078 M4
Grid 4	Grid 5	Grid 6
0.162 M4	0.124 M4	0.084 M4
Grid 7	Grid 8	Grid 9
0.163 M4	0.125 M4	0.087 M4

Cursor:

Total = 0.163 A/m

H Category: M4

Location: 25, 13.5, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C / 251

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.164 A/m

Probe Modulation Factor = 2.02

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.052 A/m; Power Drift = -0.024 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

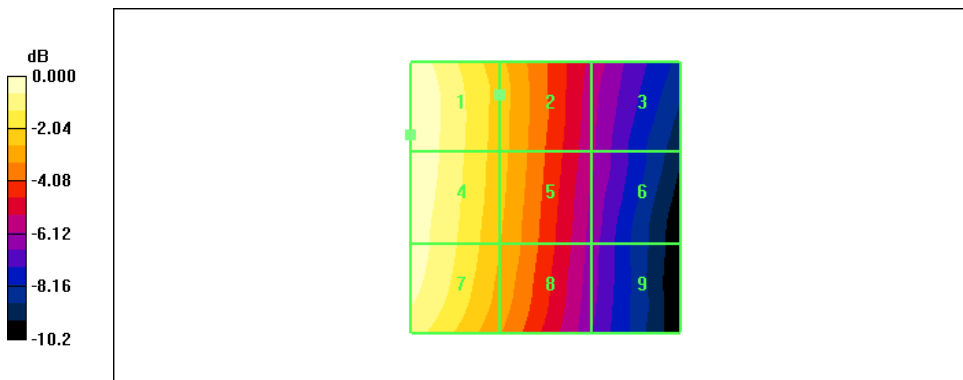
Grid 1	Grid 2	Grid 3
0.164 M4	0.125 M4	0.086 M4
Grid 4	Grid 5	Grid 6
0.164 M4	0.124 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.159 M4	0.120 M4	0.079 M4

Cursor:

Total = 0.164 A/m

H Category: M4

Location: 25, -11.5, 370.9 mm



0 dB = 0.164A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /512

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.101 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.044 A/m; Power Drift = -0.099 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

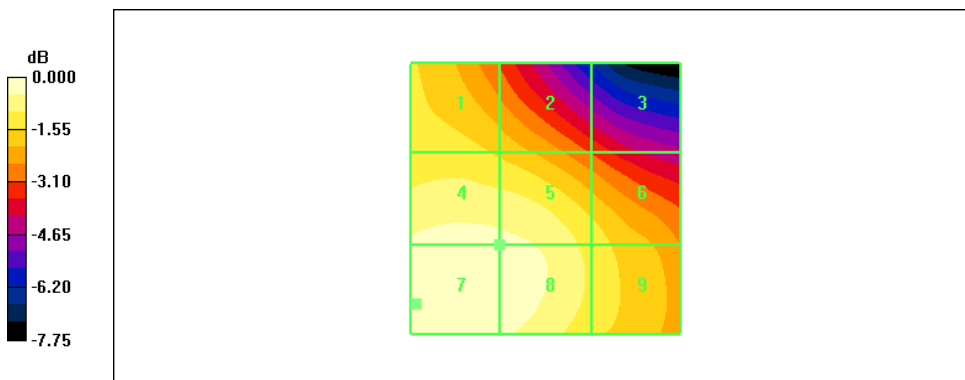
Grid 1	Grid 2	Grid 3
0.087 M4	0.084 M4	0.070 M4
Grid 4	Grid 5	Grid 6
0.098 M4	0.097 M4	0.088 M4
Grid 7	Grid 8	Grid 9
0.101 M4	0.098 M4	0.089 M4

Cursor:

Total = 0.101 A/m

H Category: M4

Location: 24, 19.5, 370.9 mm



0 dB = 0.101A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /661

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.108 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.046 A/m; Power Drift = 0.007 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

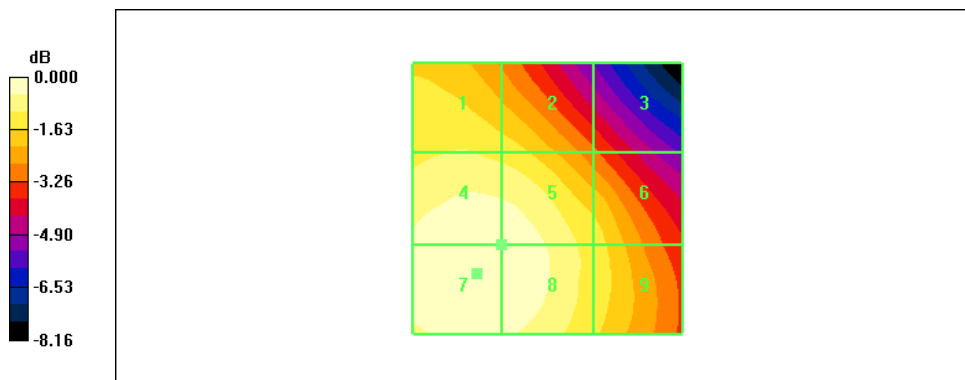
Grid 1	Grid 2	Grid 3
0.096 M4	0.093 M4	0.076 M4
Grid 4	Grid 5	Grid 6
0.107 M4	0.106 M4	0.093 M4
Grid 7	Grid 8	Grid 9
0.108 M4	0.107 M4	0.093 M4

Cursor:

Total = 0.108 A/m

H Category: M4

Location: 13, 14, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /810

Test Date June 5, 2011

DUT: C781; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2010-09-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.112 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.051 A/m; Power Drift = 0.112 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.105 M4	0.104 M4	0.085 M4
Grid 4	Grid 5	Grid 6
0.112 M4	0.112 M4	0.096 M4
Grid 7	Grid 8	Grid 9
0.112 M4	0.112 M4	0.096 M4

Cursor:

Total = 0.112 A/m

H Category: M4

Location: 10, 8.5, 370.9 mm

