

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /128
 Test Date May 27, 2011

DUT:P9060; Type: Bar; 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

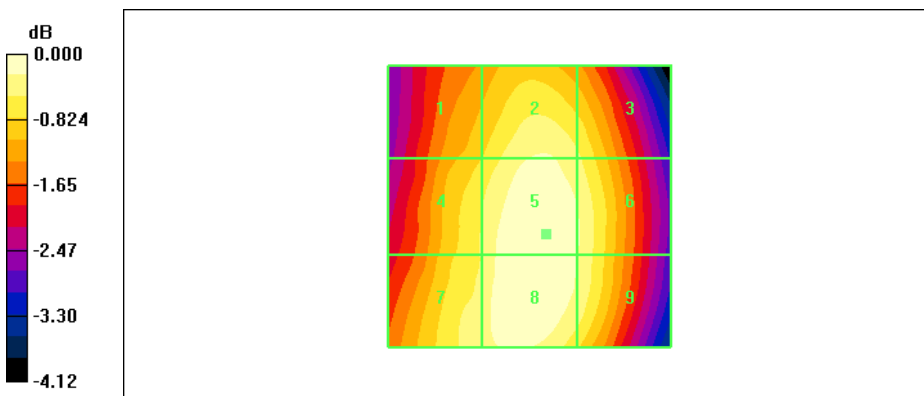
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 72.7 V/m
 Probe Modulation Factor = 2.69
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 34.4 V/m; Power Drift = -0.050 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
66.1 M4	70.7 M4	68.7 M4
Grid 4	Grid 5	Grid 6
68.5 M4	72.7 M4	70.8 M4
Grid 7	Grid 8	Grid 9
70.0 M4	72.6 M4	70.5 M4

Cursor:
 Total = 72.7 V/m
 E Category: M4
 Location: -3, 5, 370.9 mm



0 dB = 72.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /190

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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):

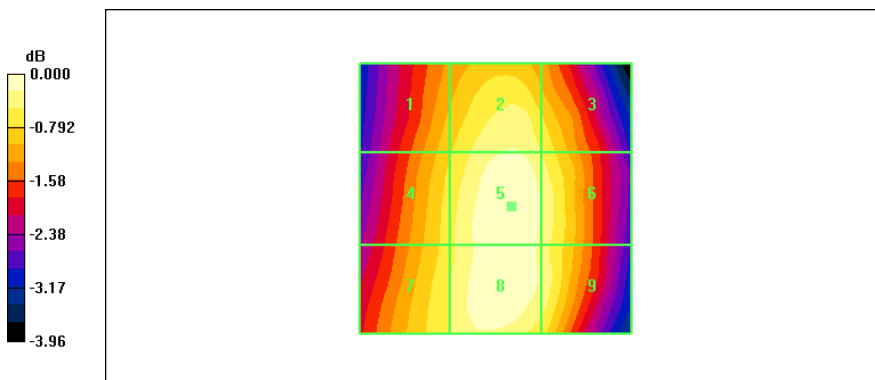
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 73.9 V/m
 Probe Modulation Factor = 2.69
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 34.0 V/m; Power Drift = -0.576 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
67.2 M4	72.0 M4	69.5 M4
Grid 4	Grid 5	Grid 6
68.8 M4	73.9 M4	71.6 M4
Grid 7	Grid 8	Grid 9
69.7 M4	73.8 M4	71.5 M4

Cursor:

Total = 73.9 V/m
 E Category: M4
 Location: -3, 1.5, 370.9 mm



0 dB = 73.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /251

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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):

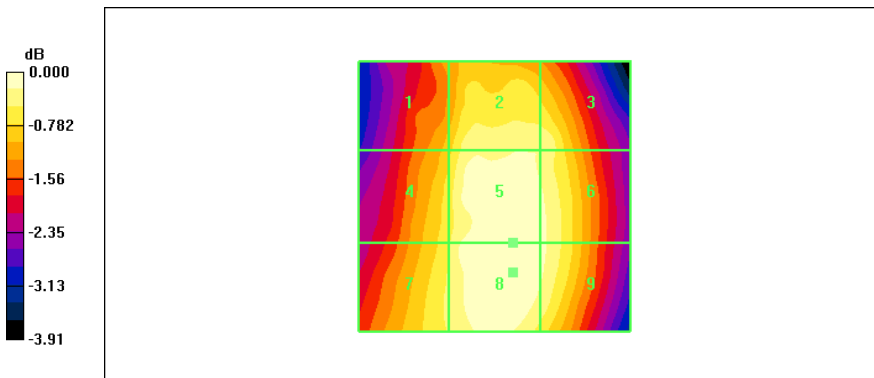
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 70.4 V/m
 Probe Modulation Factor = 2.69
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 32.7 V/m; Power Drift = 0.004 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
63.7 M4	68.3 M4	68.3 M4
Grid 4	Grid 5	Grid 6
66.0 M4	70.3 M4	69.0 M4
Grid 7	Grid 8	Grid 9
66.8 M4	70.4 M4	69.0 M4

Cursor:

Total = 70.4 V/m
 E Category: M4
 Location: -3.5, 14, 370.9 mm



0 dB = 70.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /512

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ 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):

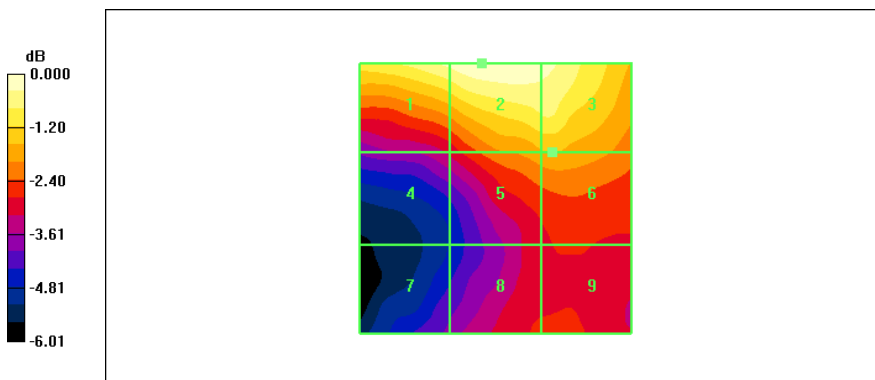
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 23.9 V/m
 Probe Modulation Factor = 2.58
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 6.91 V/m; Power Drift = 0.078 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
23.2 M4	23.9 M4	23.3 M4
Grid 4	Grid 5	Grid 6
16.7 M4	19.7 M4	19.9 M4
Grid 7	Grid 8	Grid 9
15.3 M4	17.7 M4	17.8 M4

Cursor:

Total = 23.9 V/m
 E Category: M4
 Location: 2.5, -25, 370.9 mm



0 dB = 23.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /661

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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):

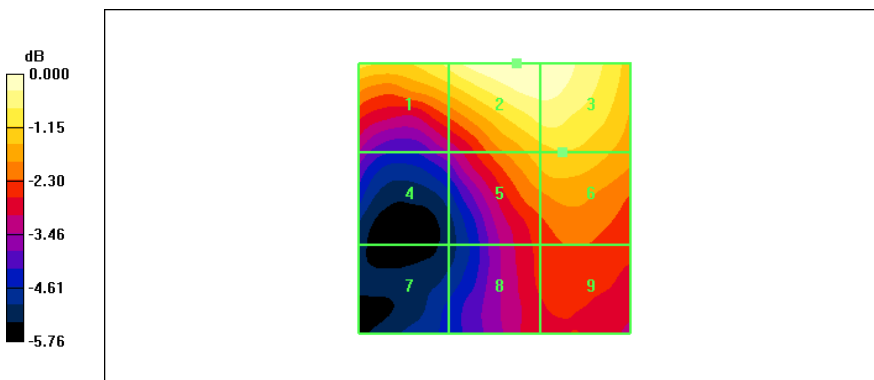
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 24.7 V/m
 Probe Modulation Factor = 2.58
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 7.51 V/m; Power Drift = 0.067 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
22.9 M4	24.7 M4	24.6 M4
Grid 4	Grid 5	Grid 6
16.6 M4	21.3 M4	21.6 M4
Grid 7	Grid 8	Grid 9
14.8 M4	18.4 M4	19.0 M4

Cursor:

Total = 24.7 V/m
 E Category: M4
 Location: -4, -25, 370.9 mm



0 dB = 24.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /810
 Test Date May 27, 2011

DUT:P9060; Type: Bar; 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):

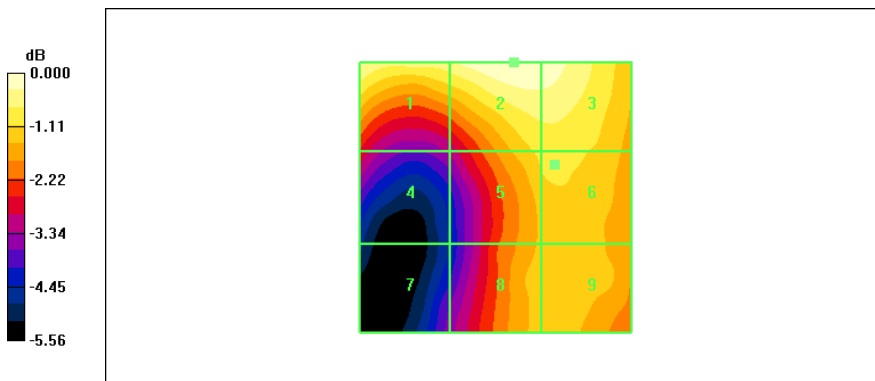
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 25.4 V/m
 Probe Modulation Factor = 2.58
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 8.47 V/m; Power Drift = 0.110 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
24.7 M4	25.4 M4	25.1 M4
Grid 4	Grid 5	Grid 6
18.8 M4	22.6 M4	22.8 M4
Grid 7	Grid 8	Grid 9
17.0 M4	21.8 M4	22.1 M4

Cursor:

Total = 25.4 V/m
 E Category: M4
 Location: -3.5, -25, 370.9 mm



0 dB = 25.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /128

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.173 A/m

Probe Modulation Factor = 1.99

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.038 A/m; Power Drift = 0.082 dB

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

Peak H-field in A/m

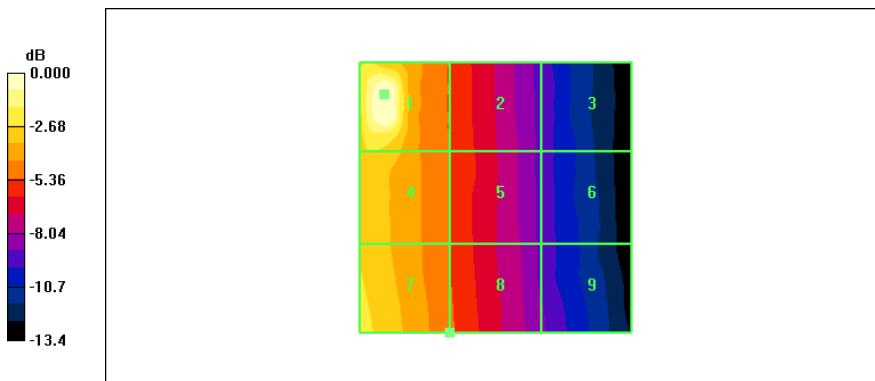
Grid 1 0.173 M4	Grid 2 0.094 M4	Grid 3 0.060 M4
Grid 4 0.127 M4	Grid 5 0.094 M4	Grid 6 0.060 M4
Grid 7 0.133 M4	Grid 8 0.096 M4	Grid 9 0.063 M4

Cursor:

Total = 0.173 A/m

H Category: M4

Location: 20.5, -19, 370.9 mm



0 dB = 0.173A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /190

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.125 A/m

Probe Modulation Factor = 1.99

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.036 A/m; Power Drift = 0.052 dB

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

Peak H-field in A/m

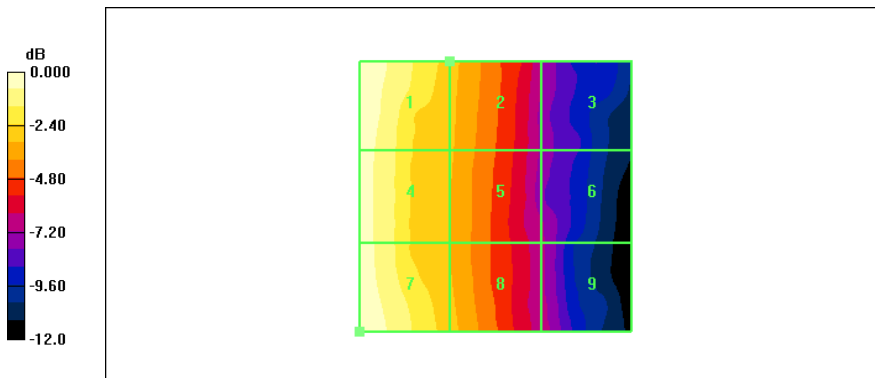
Grid 1 0.124 M4	Grid 2 0.091 M4	Grid 3 0.055 M4
Grid 4 0.118 M4	Grid 5 0.088 M4	Grid 6 0.056 M4
Grid 7 0.125 M4	Grid 8 0.090 M4	Grid 9 0.058 M4

Cursor:

Total = 0.125 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.125A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /251

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.118 A/m

Probe Modulation Factor = 1.99

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.033 A/m; Power Drift = 0.014 dB

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

Peak H-field in A/m

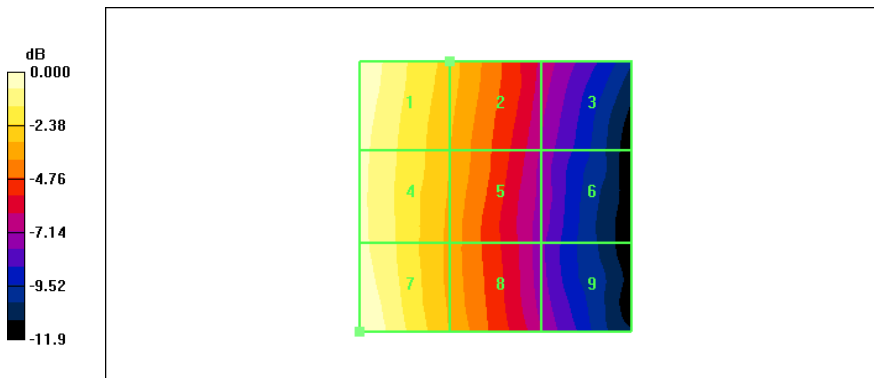
Grid 1 0.117 M4	Grid 2 0.086 M4	Grid 3 0.056 M4
Grid 4 0.111 M4	Grid 5 0.082 M4	Grid 6 0.051 M4
Grid 7 0.118 M4	Grid 8 0.082 M4	Grid 9 0.052 M4

Cursor:

Total = 0.118 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.118A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /512

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.068 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.023 A/m; Power Drift = -0.273 dB

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

Peak H-field in A/m

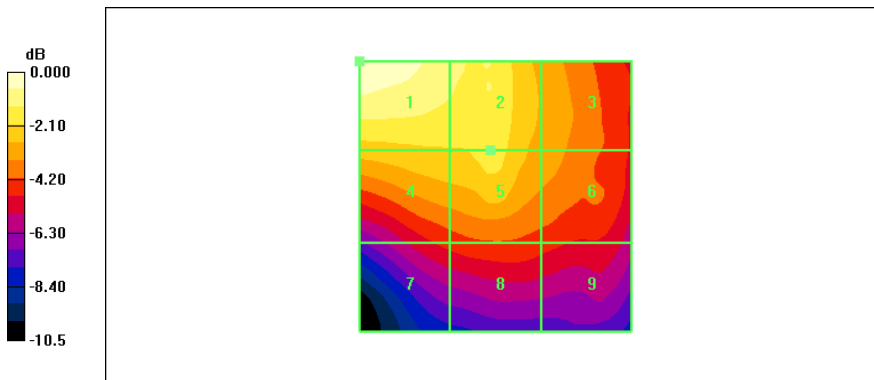
Grid 1	Grid 2	Grid 3
0.068 M4	0.060 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.053 M4	0.055 M4	0.048 M4
Grid 7	Grid 8	Grid 9
0.040 M4	0.042 M4	0.040 M4

Cursor:

Total = 0.068 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.068A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /661

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.077 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.028 A/m; Power Drift = 0.077 dB

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

Peak H-field in A/m

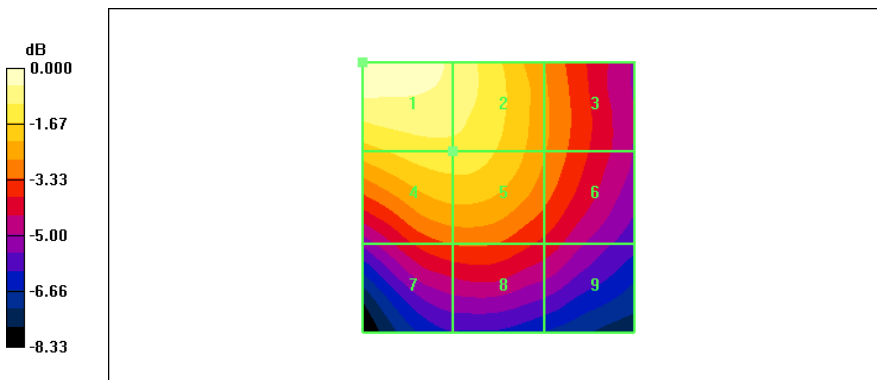
Grid 1	Grid 2	Grid 3
0.077 M4	0.071 M4	0.057 M4
Grid 4	Grid 5	Grid 6
0.066 M4	0.066 M4	0.056 M4
Grid 7	Grid 8	Grid 9
0.053 M4	0.053 M4	0.048 M4

Cursor:

Total = 0.077 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.077A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /810

Test Date May 27, 2011

DUT:P9060; Type: Bar; 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 = 0.095 A/m

Probe Modulation Factor = 2.29

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.037 A/m; Power Drift = 0.053 dB

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

Peak H-field in A/m

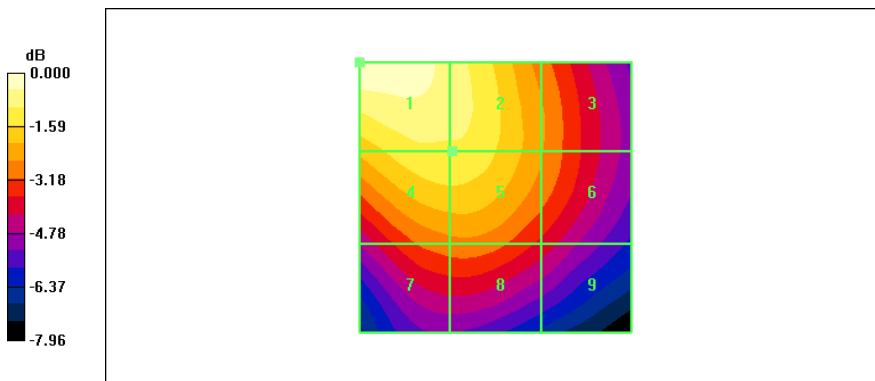
Grid 1 0.095 M4	Grid 2 0.087 M4	Grid 3 0.071 M4
Grid 4 0.083 M4	Grid 5 0.083 M4	Grid 6 0.070 M4
Grid 7 0.069 M4	Grid 8 0.069 M4	Grid 9 0.061 M4

Cursor:

Total = 0.095 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /4132
 Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 826.4 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):

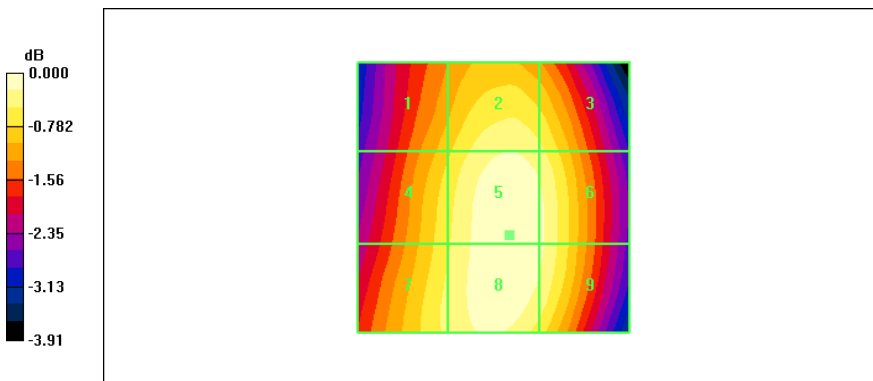
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 18.2 V/m
 Probe Modulation Factor = 0.824
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 27.5 V/m; Power Drift = 0.041 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
16.5 M4	17.7 M4	17.3 M4
Grid 4	Grid 5	Grid 6
17.1 M4	18.2 M4	17.8 M4
Grid 7	Grid 8	Grid 9
17.3 M4	18.2 M4	17.8 M4

Cursor:

Total = 18.2 V/m
 E Category: M4
 Location: -3, 7, 370.9 mm



0 dB = 18.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /4183
 Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 836.6 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

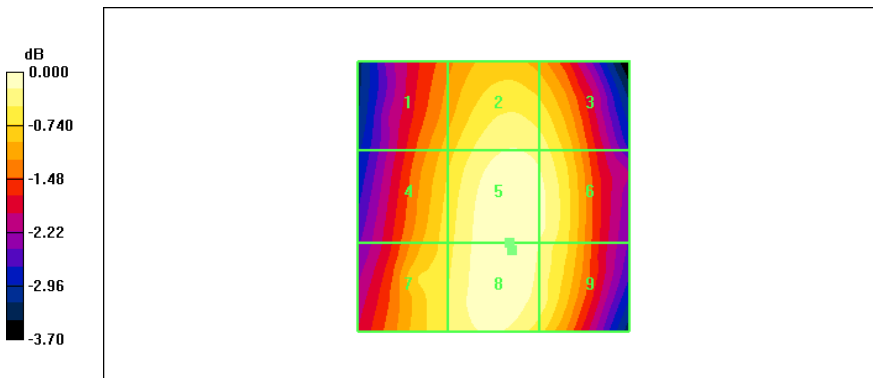
E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 24.1 V/m
 Probe Modulation Factor = 0.824
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 35.6 V/m; Power Drift = 0.143 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
21.8 M4	23.5 M4	23.2 M4
Grid 4	Grid 5	Grid 6
22.5 M4	24.0 M4	23.6 M4
Grid 7	Grid 8	Grid 9
22.8 M4	24.1 M4	23.4 M4

Cursor:
 Total = 24.1 V/m
 E Category: M4
 Location: -3.5, 10, 370.9 mm



0 dB = 24.1V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /4233
 Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 846.6 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

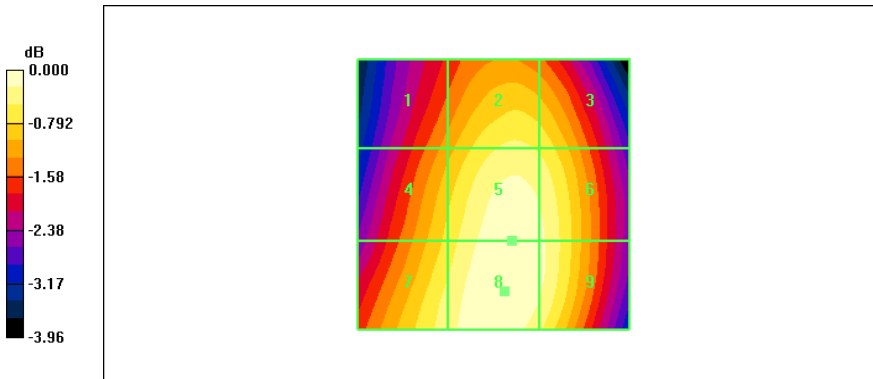
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 20.5 V/m
 Probe Modulation Factor = 0.824
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 30.2 V/m; Power Drift = 0.015 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
17.9 M4	19.5 M4	19.2 M4
Grid 4	Grid 5	Grid 6
18.9 M4	20.4 M4	20.0 M4
Grid 7	Grid 8	Grid 9
19.6 M4	20.5 M4	20.1 M4

Cursor:
 Total = 20.5 V/m
 E Category: M4
 Location: -2, 18, 370.9 mm



0 dB = 20.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9262

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; Frequency: 1852.4 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 = 11.3 V/m

Probe Modulation Factor = 0.834

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 9.26 V/m; Power Drift = 0.124 dB

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

Peak E-field in V/m

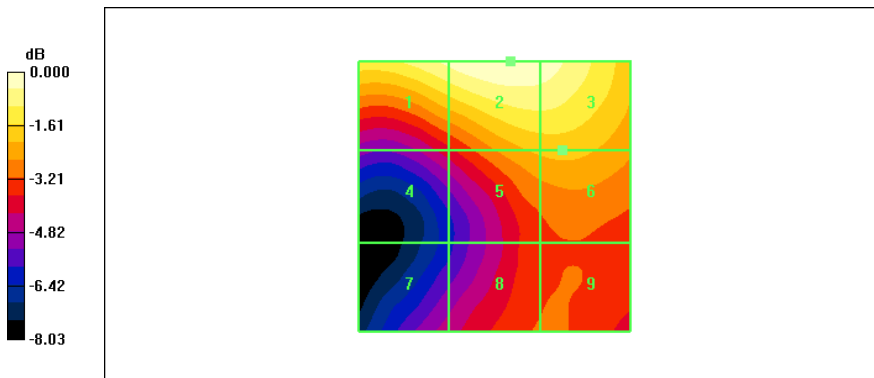
Grid 1	Grid 2	Grid 3
10.8 M4	11.3 M4	11.1 M4
Grid 4	Grid 5	Grid 6
7.21 M4	8.96 M4	9.04 M4
Grid 7	Grid 8	Grid 9
6.74 M4	7.87 M4	7.89 M4

Cursor:

Total = 11.3 V/m

E Category: M4

Location: -3, -25, 370.9 mm



0 dB = 11.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9400

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; 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):

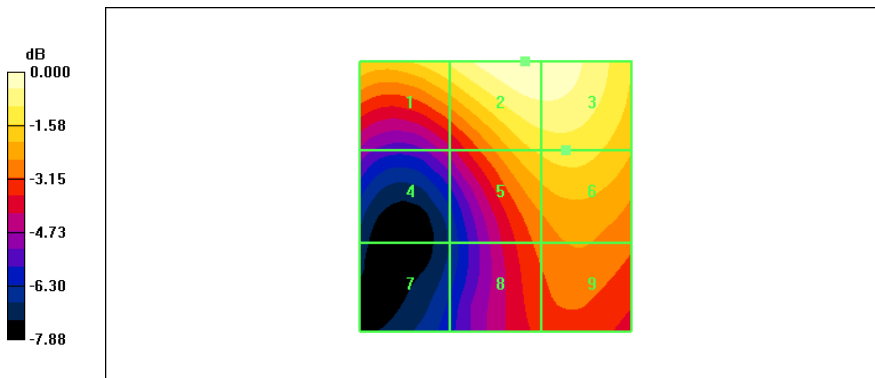
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 12.1 V/m
 Probe Modulation Factor = 0.834
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 10.7 V/m; Power Drift = 0.032 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
10.9 M4	12.1 M4	12.1 M4
Grid 4	Grid 5	Grid 6
7.29 M4	10.2 M4	10.4 M4
Grid 7	Grid 8	Grid 9
6.10 M4	8.62 M4	9.00 M4

Cursor:

Total = 12.1 V/m
 E Category: M4
 Location: -5.5, -25, 370.9 mm



0 dB = 12.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9538

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; Frequency: 1907.6 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 = 12.6 V/m

Probe Modulation Factor = 0.834

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 12.4 V/m; Power Drift = 0.034 dB

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

Peak E-field in V/m

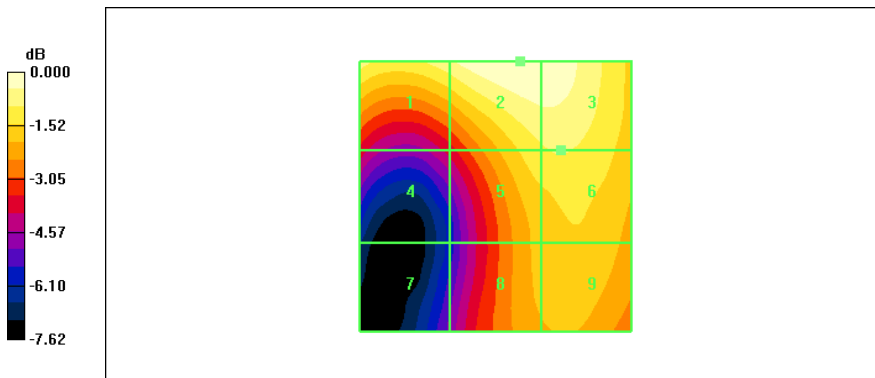
Grid 1	Grid 2	Grid 3
11.7 M4	12.6 M4	12.6 M4
Grid 4	Grid 5	Grid 6
8.22 M4	11.1 M4	11.3 M4
Grid 7	Grid 8	Grid 9
7.17 M4	10.2 M4	10.5 M4

Cursor:

Total = 12.6 V/m

E Category: M4

Location: -4.5, -25, 370.9 mm



0 dB = 12.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /4132

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 826.4 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 = 0.044 A/m

Probe Modulation Factor = 0.811

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.033 A/m; Power Drift = 0.029 dB

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

Peak H-field in A/m

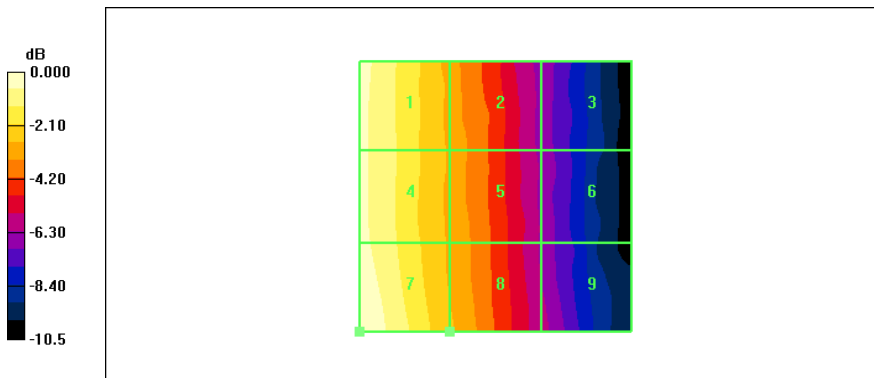
Grid 1 0.042 M4	Grid 2 0.031 M4	Grid 3 0.021 M4
Grid 4 0.042 M4	Grid 5 0.032 M4	Grid 6 0.021 M4
Grid 7 0.044 M4	Grid 8 0.032 M4	Grid 9 0.022 M4

Cursor:

Total = 0.044 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.044A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /4183
 Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 836.6 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

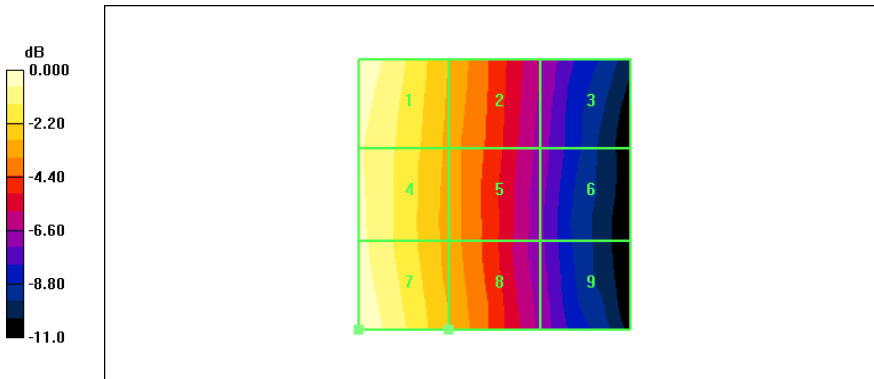
DASY4 Configuration:
 - Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.056 A/m
 Probe Modulation Factor = 0.811
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.040 A/m; Power Drift = -0.012 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.055 M4	Grid 2 0.040 M4	Grid 3 0.026 M4
Grid 4 0.053 M4	Grid 5 0.039 M4	Grid 6 0.025 M4
Grid 7 0.056 M4	Grid 8 0.040 M4	Grid 9 0.026 M4

Cursor:
 Total = 0.056 A/m
 H Category: M4
 Location: 25, 25, 370.9 mm



0 dB = 0.056A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /4233

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 846.6 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 = 0.047 A/m

Probe Modulation Factor = 0.811

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.034 A/m; Power Drift = -0.008 dB

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

Peak H-field in A/m

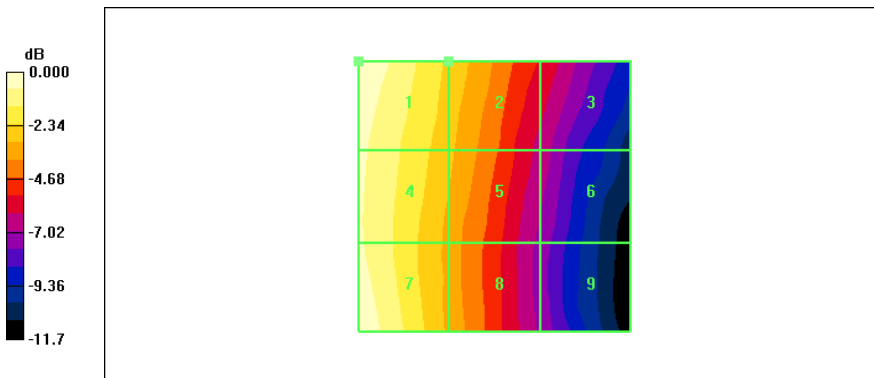
Grid 1 0.047 M4	Grid 2 0.035 M4	Grid 3 0.025 M4
Grid 4 0.044 M4	Grid 5 0.034 M4	Grid 6 0.022 M4
Grid 7 0.046 M4	Grid 8 0.032 M4	Grid 9 0.021 M4

Cursor:

Total = 0.047 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.047A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9262

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; Frequency: 1852.4 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 = 0.038 A/m

Probe Modulation Factor = 0.809

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.037 A/m; Power Drift = -0.007 dB

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

Peak H-field in A/m

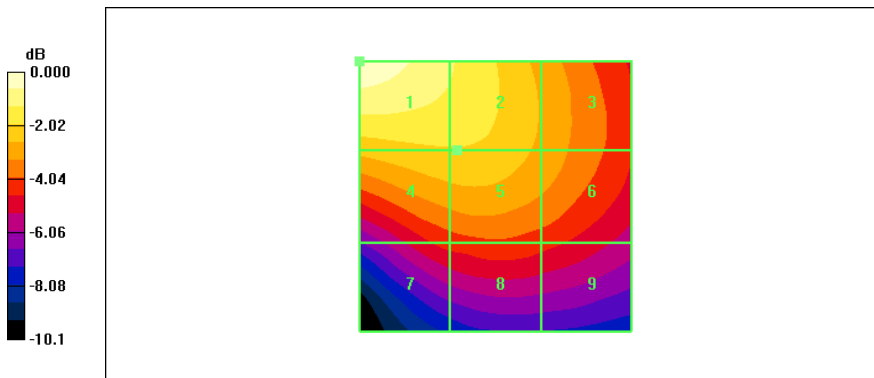
Grid 1 0.038 M4	Grid 2 0.033 M4	Grid 3 0.028 M4
Grid 4 0.030 M4	Grid 5 0.030 M4	Grid 6 0.027 M4
Grid 7 0.023 M4	Grid 8 0.024 M4	Grid 9 0.023 M4

Cursor:

Total = 0.038 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.038A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9400

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; 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 = 0.040 A/m

Probe Modulation Factor = 0.809

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.042 A/m; Power Drift = -0.062 dB

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

Peak H-field in A/m

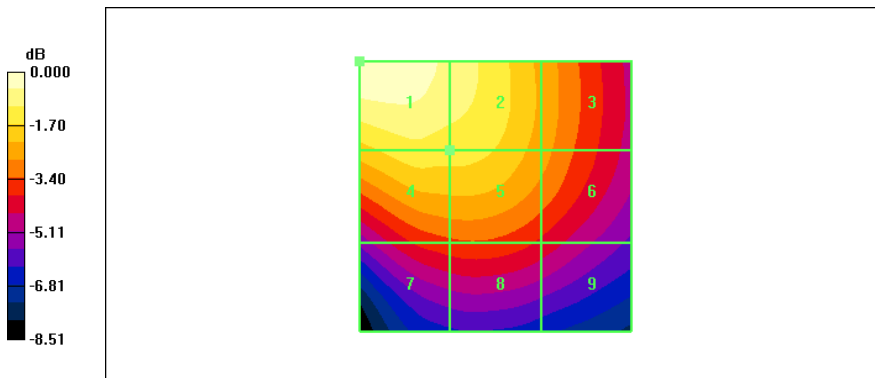
Grid 1 0.040 M4	Grid 2 0.037 M4	Grid 3 0.030 M4
Grid 4 0.034 M4	Grid 5 0.034 M4	Grid 6 0.030 M4
Grid 7 0.027 M4	Grid 8 0.027 M4	Grid 9 0.025 M4

Cursor:

Total = 0.040 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.040A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /9538

Test Date May 27, 2011

DUT:P9060; Type: Bar; Serial: #1

Communication System: WCDMA1900; Frequency: 1907.6 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 = 0.044 A/m

Probe Modulation Factor = 0.809

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.048 A/m; Power Drift = -0.057 dB

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

Peak H-field in A/m

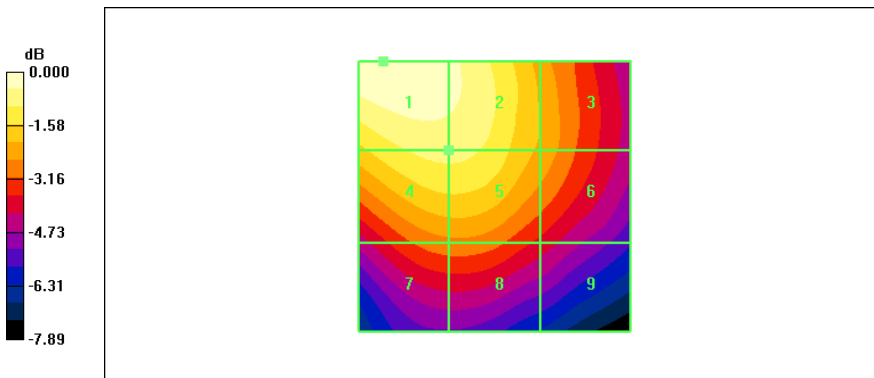
Grid 1 0.044 M4	Grid 2 0.042 M4	Grid 3 0.034 M4
Grid 4 0.040 M4	Grid 5 0.040 M4	Grid 6 0.034 M4
Grid 7 0.032 M4	Grid 8 0.032 M4	Grid 9 0.028 M4

Cursor:

Total = 0.044 A/m

H Category: M4

Location: 20.5, -25, 370.9 mm



0 dB = 0.044A/m