

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1013

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 50.1 V/m

Probe Modulation Factor = 0.958

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 69.3 V/m; Power Drift = -0.234 dB

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

Peak E-field in V/m

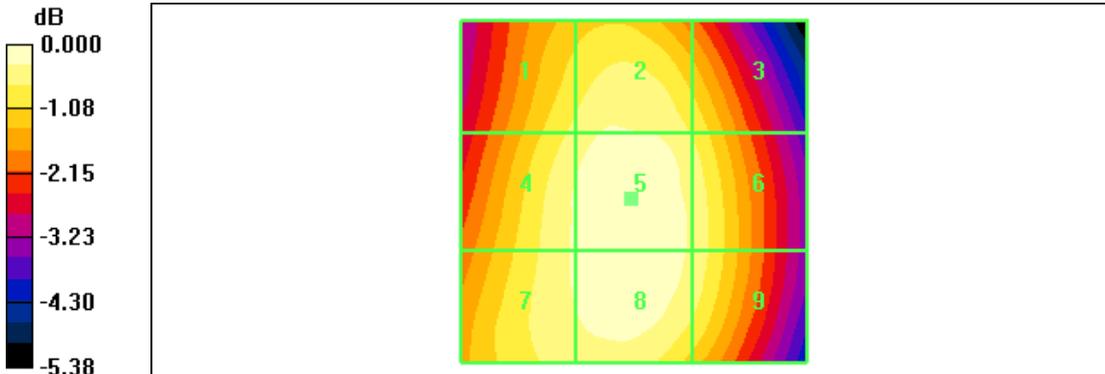
Grid 1	Grid 2	Grid 3
46.7 M4	48.4 M4	45.9 M4
Grid 4	Grid 5	Grid 6
48.3 M4	50.1 M4	47.7 M4
Grid 7	Grid 8	Grid 9
48.3 M4	49.8 M4	47.6 M4

Cursor:

Total = 50.1 V/m

E Category: M4

Location: 0.5, 1, 370.9 mm



Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /384
 Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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):

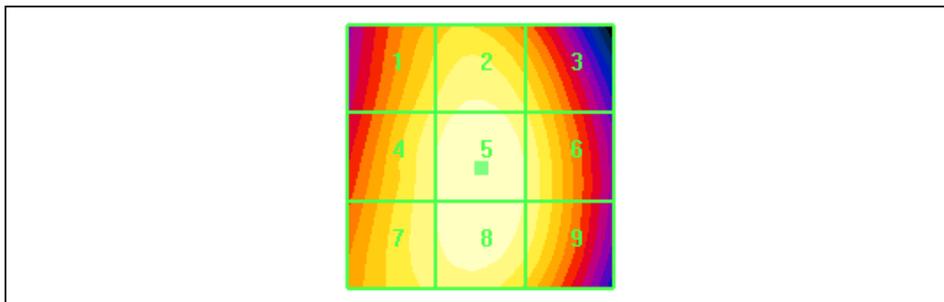
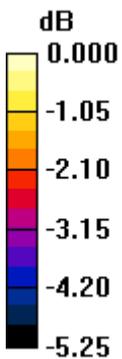
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 57.3 V/m
 Probe Modulation Factor = 0.958
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 80.6 V/m; Power Drift = -0.159 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
53.4 M4	55.7 M4	53.0 M4
Grid 4	Grid 5	Grid 6
55.0 M4	57.3 M4	54.9 M4
Grid 7	Grid 8	Grid 9
55.0 M4	57.2 M4	54.8 M4

Cursor:

Total = 57.3 V/m
 E Category: M4
 Location: 0, 2, 370.9 mm



0 dB = 57.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /777

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 49.6 V/m

Probe Modulation Factor = 0.958

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 69.6 V/m; Power Drift = -0.126 dB

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

Peak E-field in V/m

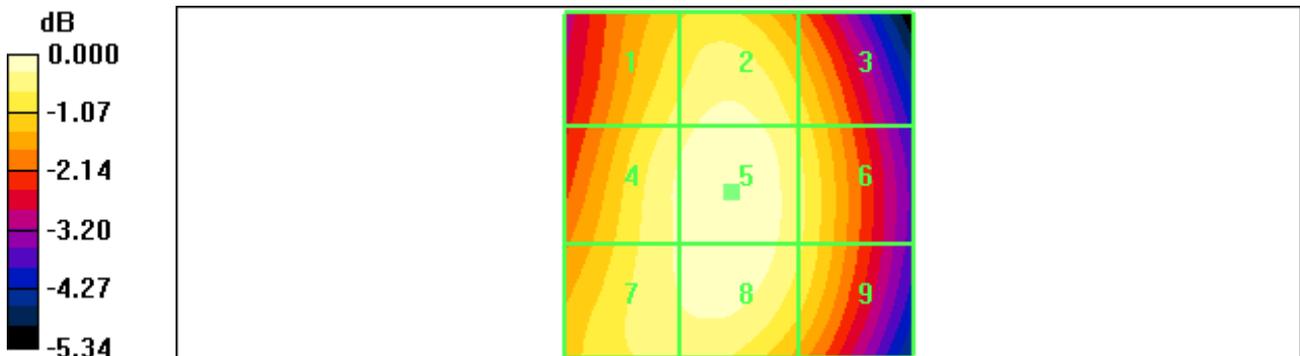
Grid 1	Grid 2	Grid 3
46.7 M4	48.4 M4	45.3 M4
Grid 4	Grid 5	Grid 6
48.0 M4	49.6 M4	46.4 M4
Grid 7	Grid 8	Grid 9
47.9 M4	49.2 M4	46.1 M4

Cursor:

Total = 49.6 V/m

E Category: M4

Location: 1, 1, 370.9 mm



0 dB = 49.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 41.7 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 32.6 V/m; Power Drift = 0.051 dB

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

Peak E-field in V/m

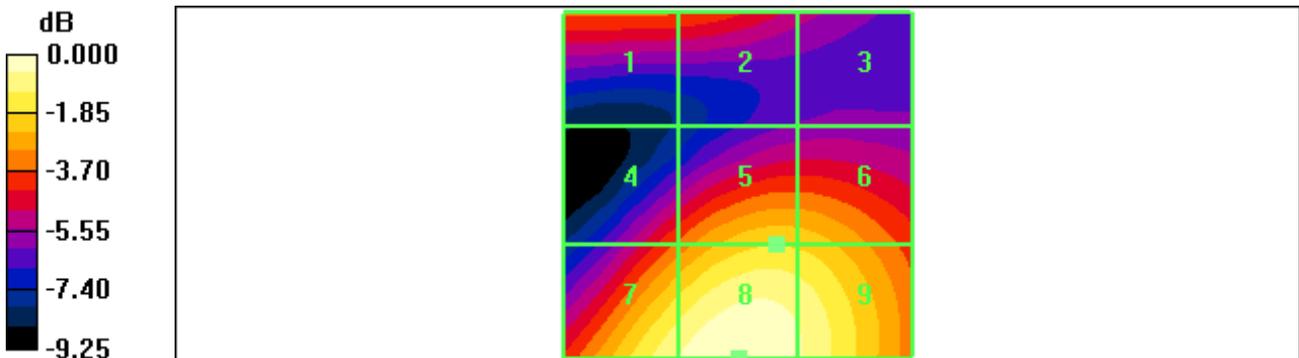
Grid 1	Grid 2	Grid 3
27.9 M4	27.5 M4	23.1 M4
Grid 4	Grid 5	Grid 6
27.8 M4	33.5 M4	33.2 M4
Grid 7	Grid 8	Grid 9
39.0 M4	41.7 M4	39.3 M4

Cursor:

Total = 41.7 V/m

E Category: M4

Location: 0, 25, 370.9 mm



0 dB = 41.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /600

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 33.8 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 25.7 V/m; Power Drift = 0.078 dB

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

Peak E-field in V/m

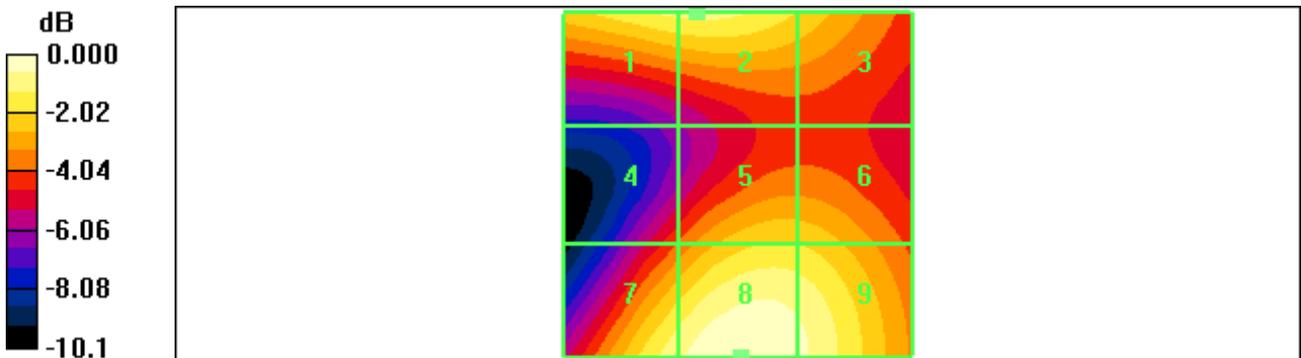
Grid 1	Grid 2	Grid 3
29.7 M4	29.8 M4	26.7 M4
Grid 4	Grid 5	Grid 6
21.5 M4	26.9 M4	26.7 M4
Grid 7	Grid 8	Grid 9
30.9 M4	33.8 M4	32.0 M4

Cursor:

Total = 33.8 V/m

E Category: M4

Location: -0.5, 25, 370.9 mm



0 dB = 33.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1175

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 31.2 V/m

Probe Modulation Factor = 0.970

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 28.5 V/m; Power Drift = -0.110 dB

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

Peak E-field in V/m

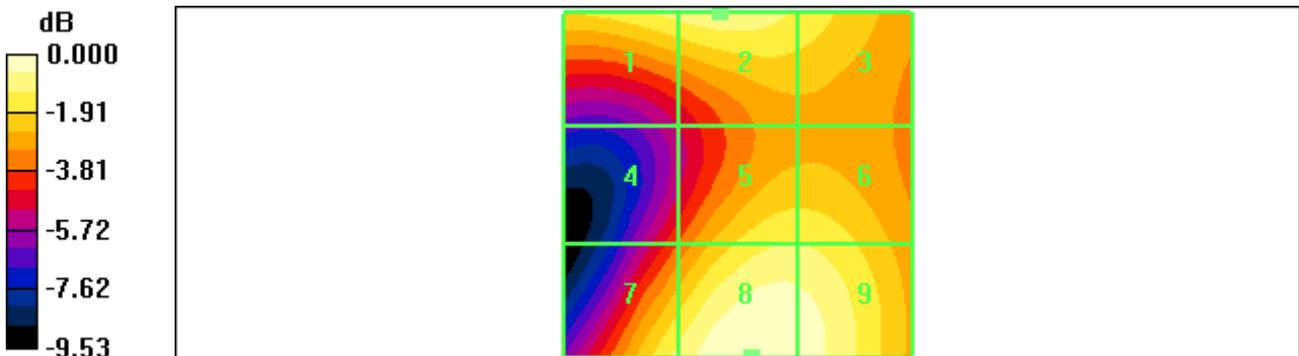
Grid 1	Grid 2	Grid 3
27.8 M4	28.6 M4	26.7 M4
Grid 4	Grid 5	Grid 6
20.3 M4	27.0 M4	26.9 M4
Grid 7	Grid 8	Grid 9
27.7 M4	31.2 M4	30.3 M4

Cursor:

Total = 31.2 V/m

E Category: M4

Location: -2, 25, 370.9 mm



0 dB = 31.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /476
 Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 817.9 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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):

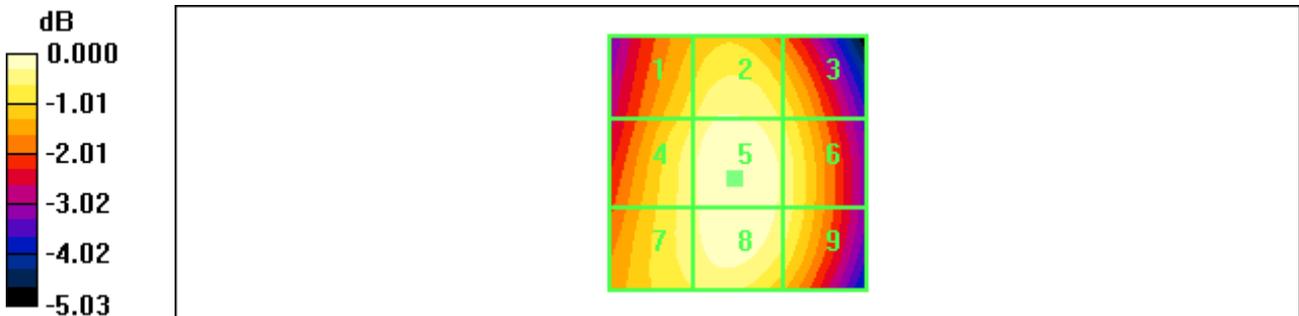
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 55.1 V/m
 Probe Modulation Factor = 0.958
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 74.6 V/m; Power Drift = 0.199 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
51.0 M4	53.3 M4	51.0 M4
Grid 4	Grid 5	Grid 6
52.8 M4	55.1 M4	52.8 M4
Grid 7	Grid 8	Grid 9
52.6 M4	54.9 M4	52.5 M4

Cursor:

Total = 55.1 V/m
 E Category: M4
 Location: 0.5, 3, 370.9 mm



0 dB = 55.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /580

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 820.5 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 54.7 V/m

Probe Modulation Factor = 0.958

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 75.3 V/m; Power Drift = 0.027 dB

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

Peak E-field in V/m

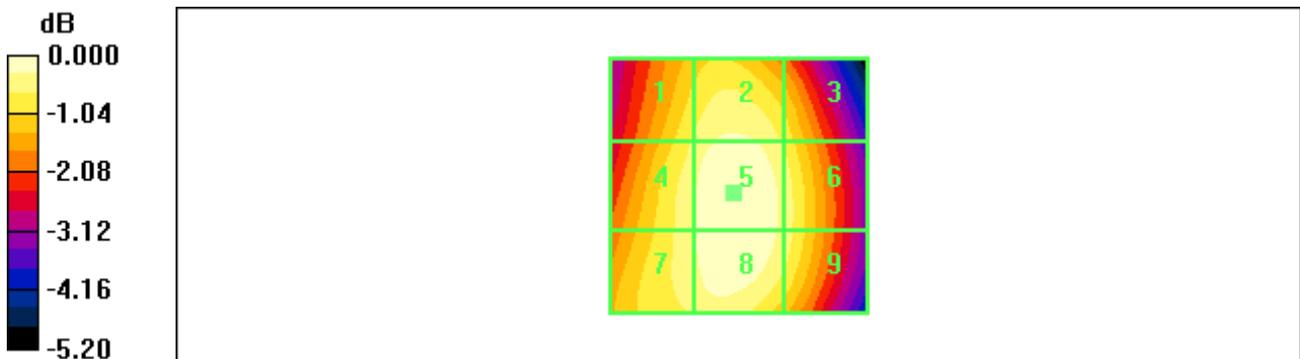
Grid 1	Grid 2	Grid 3
51.0 M4	53.0 M4	50.3 M4
Grid 4	Grid 5	Grid 6
52.5 M4	54.7 M4	52.1 M4
Grid 7	Grid 8	Grid 9
52.4 M4	54.4 M4	51.9 M4

Cursor:

Total = 54.7 V/m

E Category: M4

Location: 1, 1.5, 370.9 mm



Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /648
 Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 823.1 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: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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):

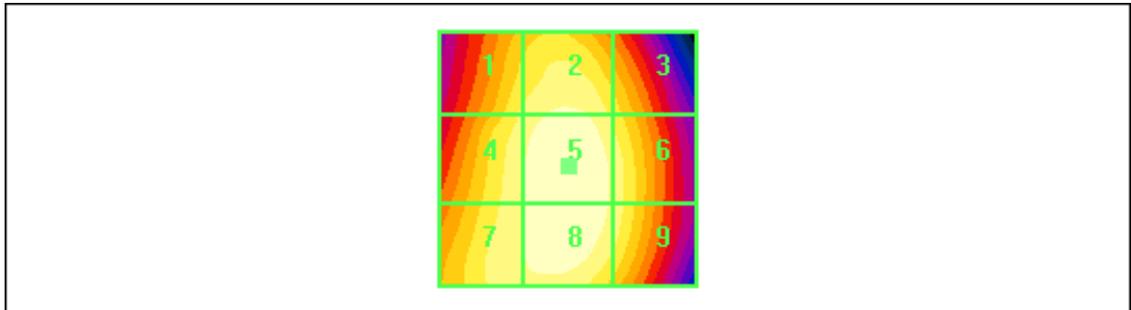
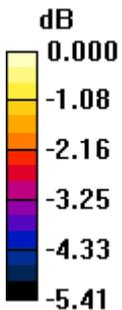
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 51.5 V/m
 Probe Modulation Factor = 0.958
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 69.9 V/m; Power Drift = 0.098 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
48.0 M4	49.8 M4	47.0 M4
Grid 4	Grid 5	Grid 6
49.4 M4	51.5 M4	49.1 M4
Grid 7	Grid 8	Grid 9
49.4 M4	51.2 M4	49.0 M4

Cursor:

Total = 51.5 V/m
 E Category: M4
 Location: 0, 1.5, 370.9 mm



0 dB = 51.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1013

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.097 A/m

Probe Modulation Factor = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.065 A/m; Power Drift = -0.129 dB

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

Peak H-field in A/m

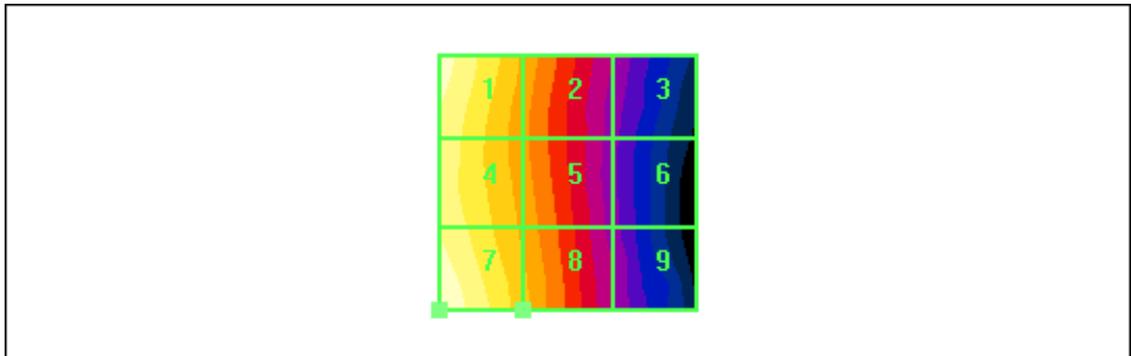
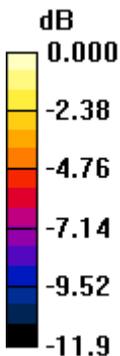
Grid 1	Grid 2	Grid 3
0.094 M4	0.066 M4	0.043 M4
Grid 4	Grid 5	Grid 6
0.088 M4	0.066 M4	0.041 M4
Grid 7	Grid 8	Grid 9
0.097 M4	0.069 M4	0.044 M4

Cursor:

Total = 0.097 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.097A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /384

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.109 A/m

Probe Modulation Factor = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.070 A/m; Power Drift = -0.025 dB

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

Peak H-field in A/m

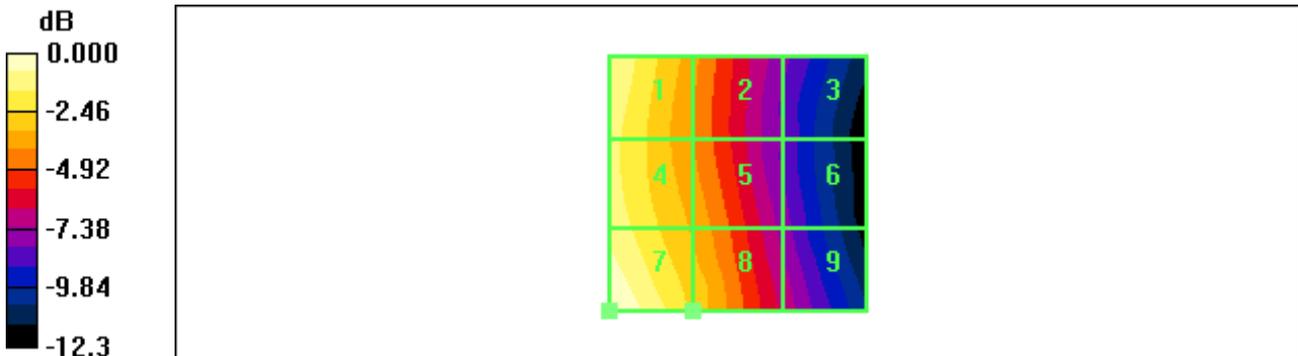
Grid 1 0.100 M4	Grid 2 0.070 M4	Grid 3 0.044 M4
Grid 4 0.097 M4	Grid 5 0.073 M4	Grid 6 0.045 M4
Grid 7 0.109 M4	Grid 8 0.080 M4	Grid 9 0.051 M4

Cursor:

Total = 0.109 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.109A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /777

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.090 A/m

Probe Modulation Factor = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.065 A/m; Power Drift = -0.147 dB

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

Peak H-field in A/m

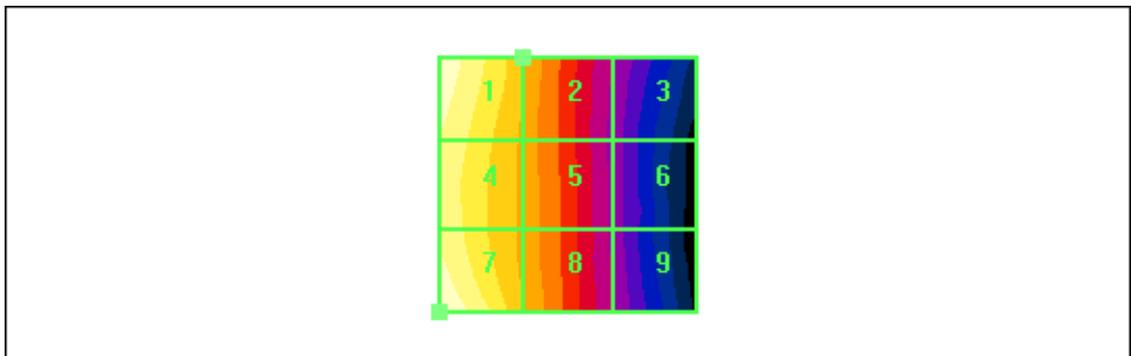
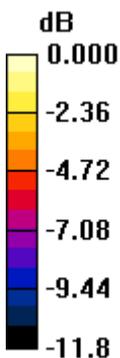
Grid 1 0.089 M4	Grid 2 0.063 M4	Grid 3 0.041 M4
Grid 4 0.082 M4	Grid 5 0.061 M4	Grid 6 0.039 M4
Grid 7 0.090 M4	Grid 8 0.063 M4	Grid 9 0.040 M4

Cursor:

Total = 0.090 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.090A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.096 A/m

Probe Modulation Factor = 0.756

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.111 A/m; Power Drift = -0.007 dB

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

Peak H-field in A/m

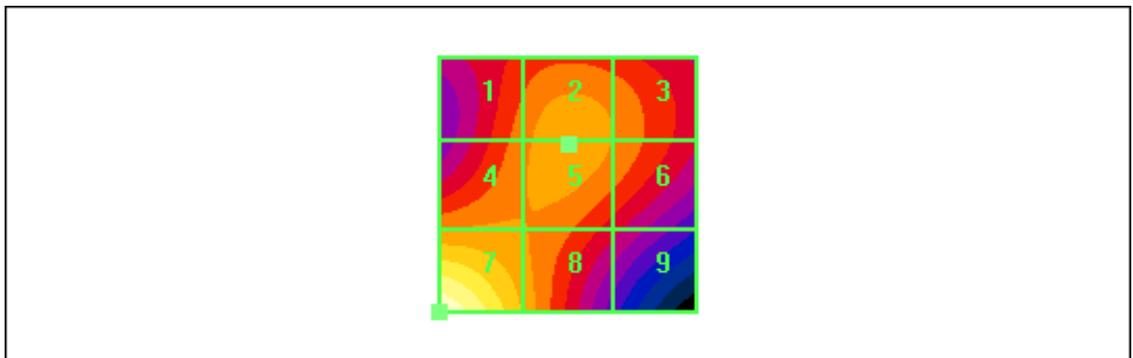
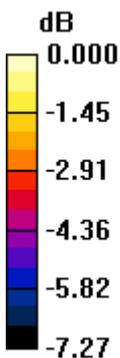
Grid 1	Grid 2	Grid 3
0.071 M4	0.075 M4	0.073 M4
Grid 4	Grid 5	Grid 6
0.073 M4	0.075 M4	0.073 M4
Grid 7	Grid 8	Grid 9
0.096 M4	0.076 M4	0.063 M4

Cursor:

Total = 0.096 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.096A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /600

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.756

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.093 A/m; Power Drift = -0.047 dB

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

Peak H-field in A/m

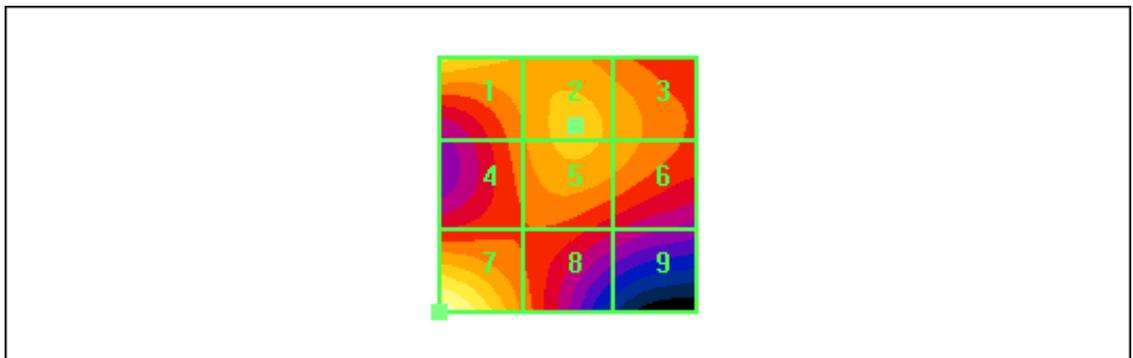
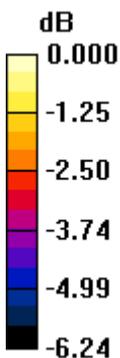
Grid 1	Grid 2	Grid 3
0.069 M4	0.065 M4	0.063 M4
Grid 4	Grid 5	Grid 6
0.060 M4	0.064 M4	0.063 M4
Grid 7	Grid 8	Grid 9
0.077 M4	0.060 M4	0.053 M4

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 /1175

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.072 A/m

Probe Modulation Factor = 0.756

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.089 A/m; Power Drift = 0.055 dB

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

Peak H-field in A/m

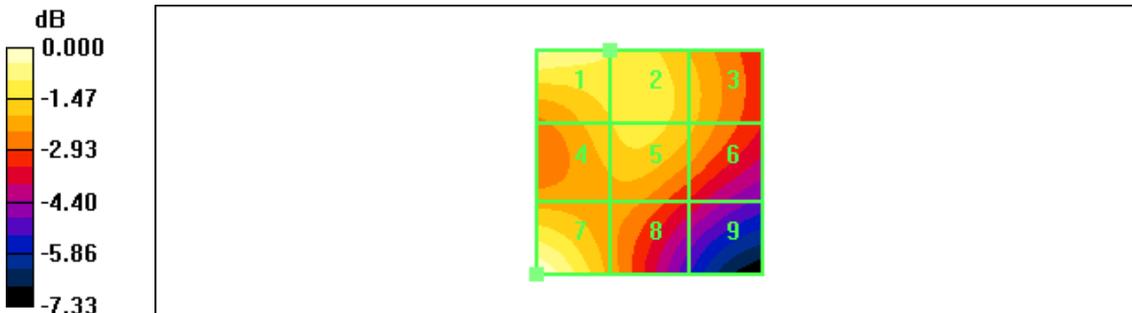
Grid 1 0.070 M4	Grid 2 0.064 M4	Grid 3 0.059 M4
Grid 4 0.061 M4	Grid 5 0.063 M4	Grid 6 0.059 M4
Grid 7 0.072 M4	Grid 8 0.056 M4	Grid 9 0.049 M4

Cursor:

Total = 0.072 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.072A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /476

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 817.9 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.097 A/m

Probe Modulation Factor = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.064 A/m; Power Drift = 0.113 dB

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

Peak H-field in A/m

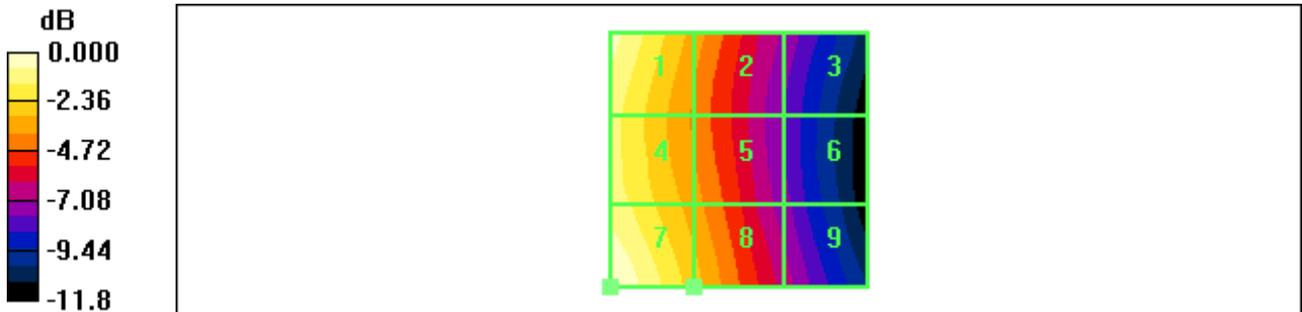
Grid 1	Grid 2	Grid 3
0.093 M4	0.065 M4	0.043 M4
Grid 4	Grid 5	Grid 6
0.086 M4	0.064 M4	0.041 M4
Grid 7	Grid 8	Grid 9
0.097 M4	0.070 M4	0.046 M4

Cursor:

Total = 0.097 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.097A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /580

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 820.5 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.069 A/m; Power Drift = 0.112 dB

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

Peak H-field in A/m

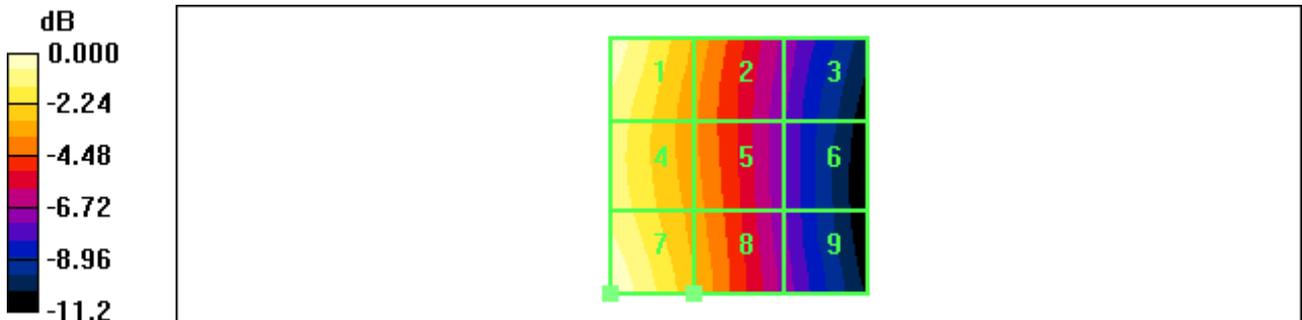
Grid 1	Grid 2	Grid 3
0.100 M4	0.071 M4	0.046 M4
Grid 4	Grid 5	Grid 6
0.091 M4	0.069 M4	0.044 M4
Grid 7	Grid 8	Grid 9
0.101 M4	0.072 M4	0.046 M4

Cursor:

Total = 0.101 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.101A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /648

Test Date Feb. 27, 2012

DUT: LS840; Type: bar; Serial: #1

Communication System: CDMA800(BC10); Frequency: 823.1 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 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2011-09-22
- 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 = 0.099 A/m

Probe Modulation Factor = 0.857

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.066 A/m; Power Drift = 0.007 dB

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

Peak H-field in A/m

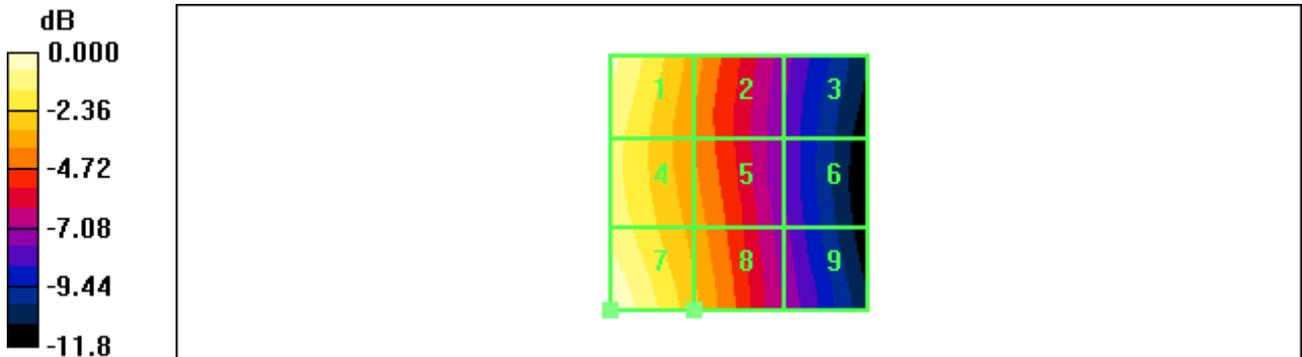
Grid 1	Grid 2	Grid 3
0.094 M4	0.066 M4	0.042 M4
Grid 4	Grid 5	Grid 6
0.088 M4	0.066 M4	0.042 M4
Grid 7	Grid 8	Grid 9
0.099 M4	0.071 M4	0.044 M4

Cursor:

Total = 0.099 A/m

H Category: M4

Location: 25, 25, 370.9 mm



0 dB = 0.099A/m