

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 69.6 V/m

Probe Modulation Factor = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 96.4 V/m; Power Drift = -0.012 dB

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

Peak E-field in V/m

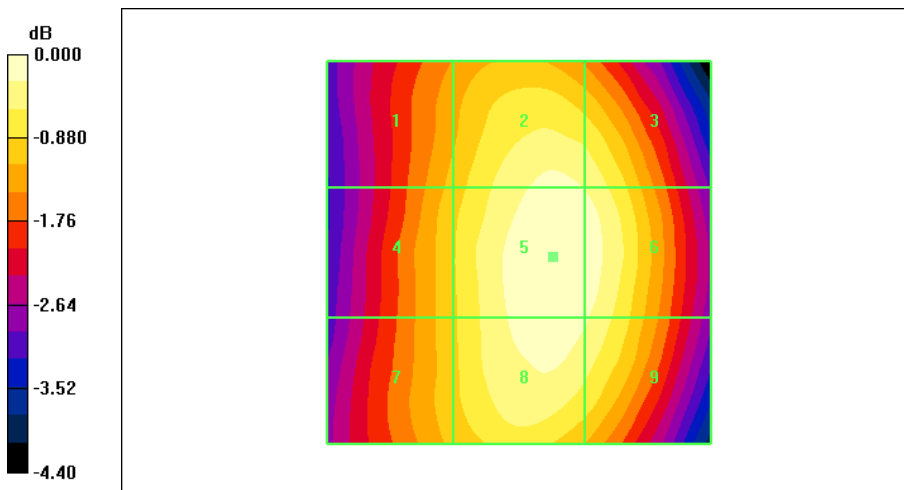
Grid 1	Grid 2	Grid 3
61.8 M4	68.0 M4	67.2 M4
Grid 4	Grid 5	Grid 6
62.8 M4	69.6 M4	68.8 M4
Grid 7	Grid 8	Grid 9
62.6 M4	68.8 M4	67.6 M4

Cursor:

Total = 69.6 V/m

E Category: M4

Location: -4.5, 0.5, 369.9 mm



0 dB = 69.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /384

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 73.1 V/m

Probe Modulation Factor = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 100.9 V/m; Power Drift = -0.031 dB

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

Peak E-field in V/m

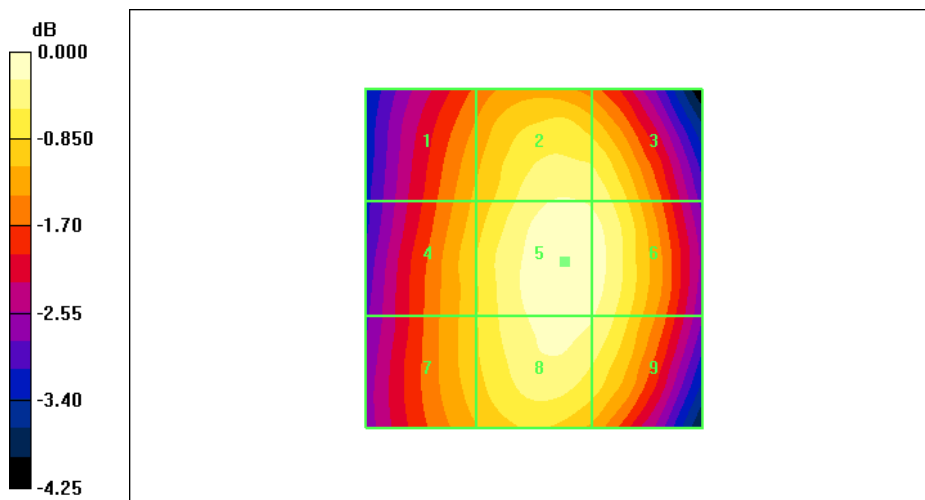
Grid 1	Grid 2	Grid 3
64.8 M4	71.0 M4	70.5 M4
Grid 4	Grid 5	Grid 6
66.4 M4	73.1 M4	72.2 M4
Grid 7	Grid 8	Grid 9
66.2 M4	71.9 M4	71.0 M4

Cursor:

Total = 73.1 V/m

E Category: M4

Location: -4.5, 0.5, 369.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 101.4 V/m; Power Drift = 0.080 dB

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

Peak E-field in V/m

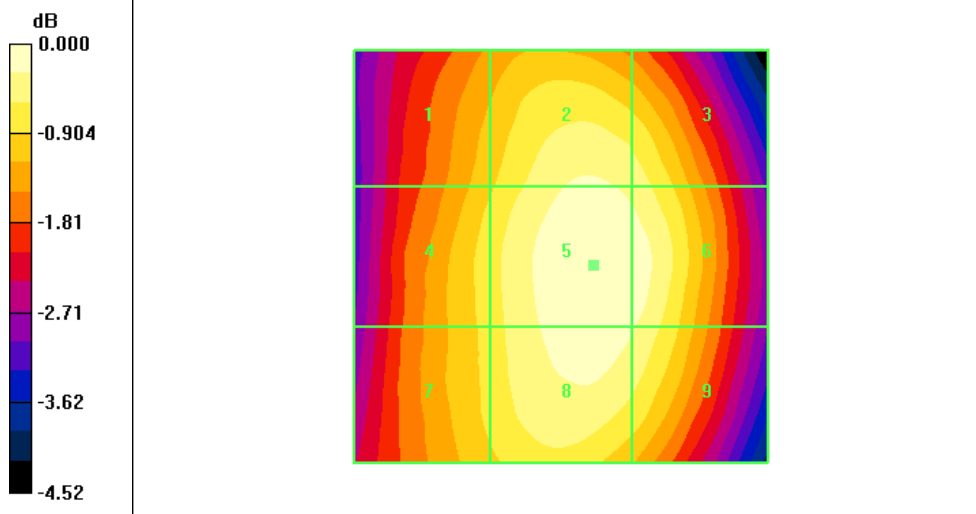
Grid 1	Grid 2	Grid 3
66.3 M4	71.9 M4	70.7 M4
Grid 4	Grid 5	Grid 6
68.1 M4	73.9 M4	73.2 M4
Grid 7	Grid 8	Grid 9
67.7 M4	73.1 M4	71.7 M4

Cursor:

Total = 73.9 V/m

E Category: M4

Location: -4, 1, 369.9 mm



0 dB = 73.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 21.3 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 20.4 V/m; Power Drift = -0.027 dB

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

Peak E-field in V/m

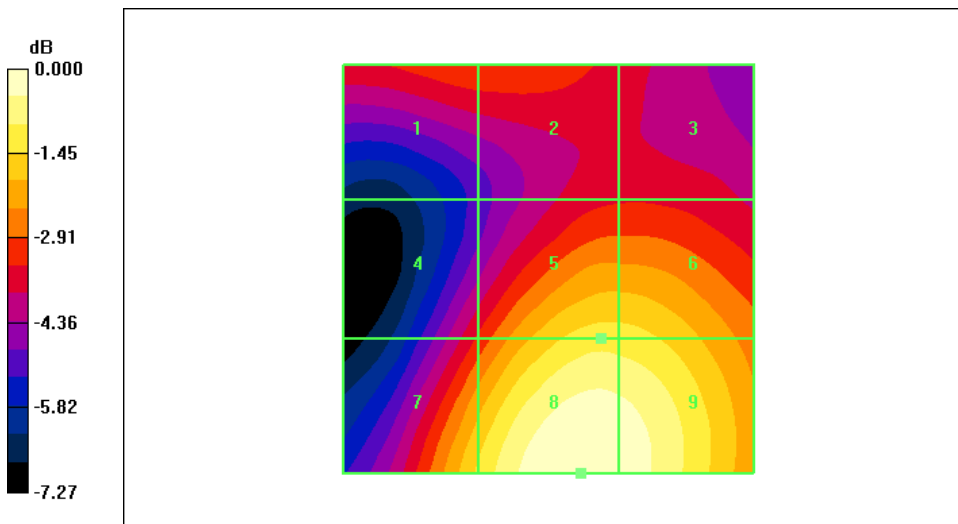
Grid 1	Grid 2	Grid 3
15.3 M4	15.3 M4	14.4 M4
Grid 4	Grid 5	Grid 6
14.6 M4	18.6 M4	18.6 M4
Grid 7	Grid 8	Grid 9
18.3 M4	21.3 M4	21.0 M4

Cursor:

Total = 21.3 V/m

E Category: M4

Location: -4, 25, 369.9 mm



0 dB = 21.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 21.2 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 17.6 V/m; Power Drift = 0.064 dB

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

Peak E-field in V/m

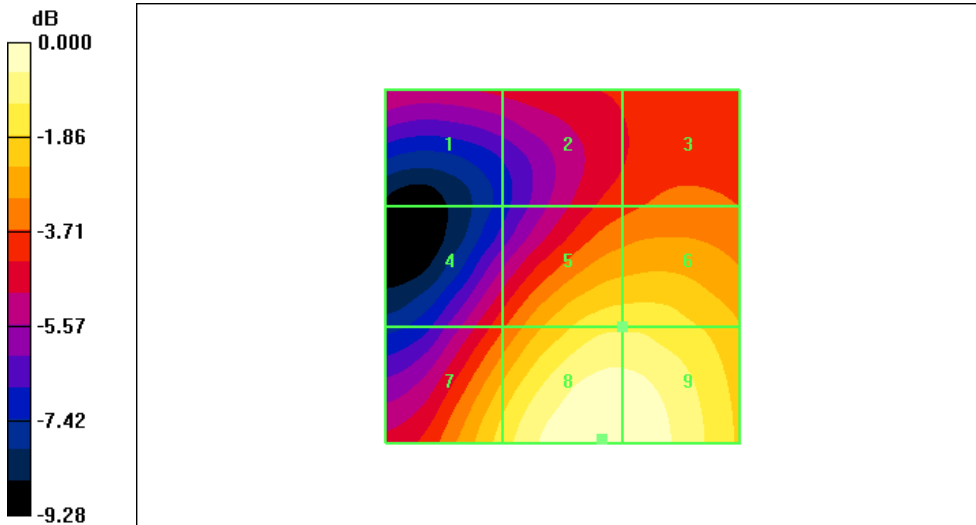
Grid 1	Grid 2	Grid 3
12.3 M4	13.5 M4	14.2 M4
Grid 4	Grid 5	Grid 6
13.6 M4	18.2 M4	18.2 M4
Grid 7	Grid 8	Grid 9
17.7 M4	21.2 M4	21.0 M4

Cursor:

Total = 21.2 V/m

E Category: M4

Location: -5.5, 24.5, 369.9 mm



0 dB = 21.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1175

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 17.0 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 12.9 V/m; Power Drift = 0.100 dB

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

Peak E-field in V/m

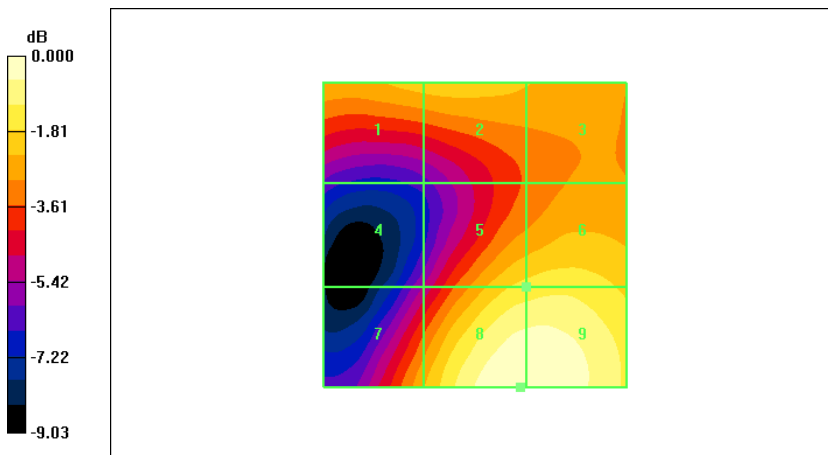
Grid 1	Grid 2	Grid 3
13.4 M4	13.5 M4	13.0 M4
Grid 4	Grid 5	Grid 6
9.19 M4	14.2 M4	14.5 M4
Grid 7	Grid 8	Grid 9
12.8 M4	17.0 M4	17.0 M4

Cursor:

Total = 17.0 V/m

E Category: M4

Location: -7.5, 25, 369.9 mm



0 dB = 17.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

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

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

H Scan - 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 = 0.156 A/m

Probe Modulation Factor = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.113 A/m; Power Drift = -0.134 dB

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

Peak H-field in A/m

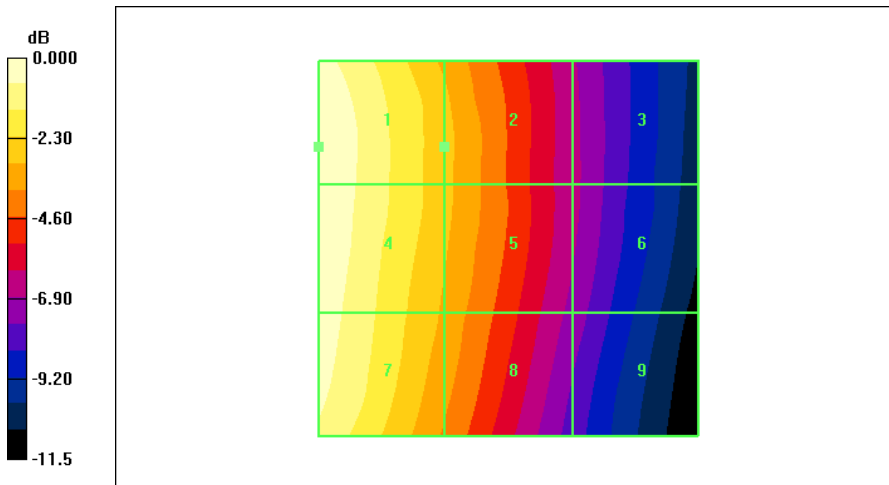
Grid 1	Grid 2	Grid 3
0.156 M4	0.113 M4	0.073 M4
Grid 4	Grid 5	Grid 6
0.155 M4	0.113 M4	0.073 M4
Grid 7	Grid 8	Grid 9
0.150 M4	0.108 M4	0.068 M4

Cursor:

Total = 0.156 A/m

H Category: M4

Location: 25, -13.5, 369.4 mm



0 dB = 0.156A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /384

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.157 A/m

Probe Modulation Factor = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.111 A/m; Power Drift = -0.034 dB

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

Peak H-field in A/m

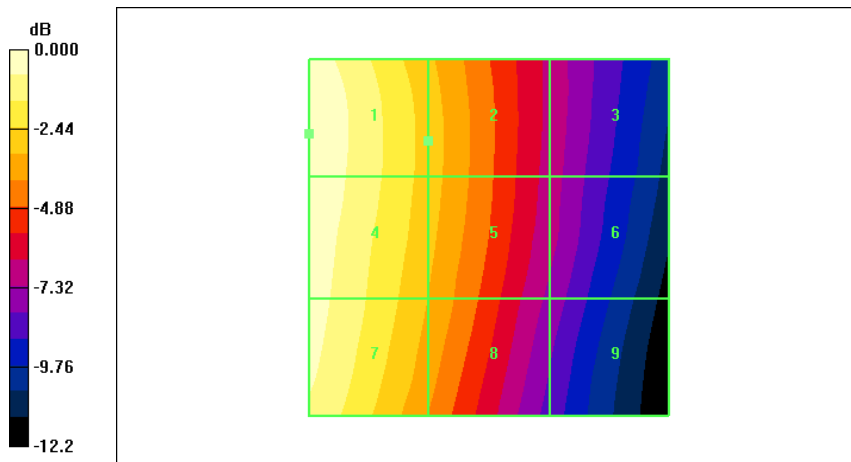
Grid 1	Grid 2	Grid 3
0.157 M4	0.114 M4	0.073 M4
Grid 4	Grid 5	Grid 6
0.156 M4	0.113 M4	0.071 M4
Grid 7	Grid 8	Grid 9
0.150 M4	0.108 M4	0.066 M4

Cursor:

Total = 0.157 A/m

H Category: M4

Location: 25, -14.5, 369.4 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.114 A/m; Power Drift = -0.073 dB

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

Peak H-field in A/m

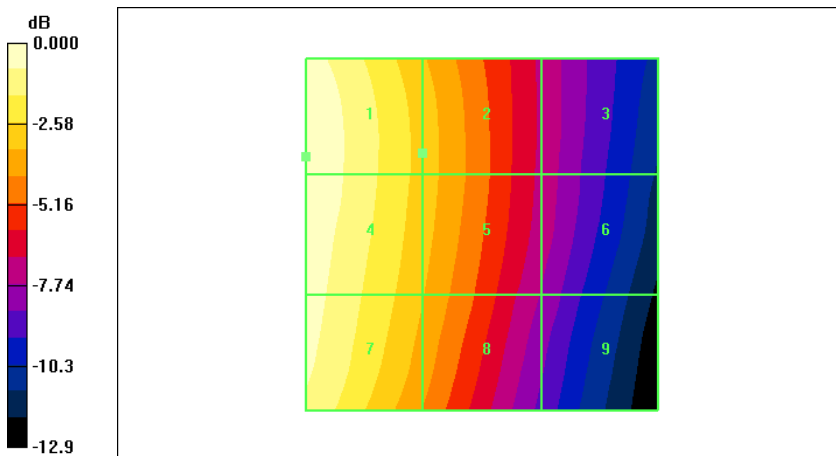
Grid 1	Grid 2	Grid 3
0.164 M4	0.117 M4	0.073 M4
Grid 4	Grid 5	Grid 6
0.164 M4	0.117 M4	0.072 M4
Grid 7	Grid 8	Grid 9
0.156 M4	0.111 M4	0.067 M4

Cursor:

Total = 0.164 A/m

H Category: M4

Location: 25, -11, 369.4 mm



0 dB = 0.164A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

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

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

H Scan - 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 = 0.061 A/m

Probe Modulation Factor = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.056 A/m; Power Drift = 0.106 dB

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

Peak H-field in A/m

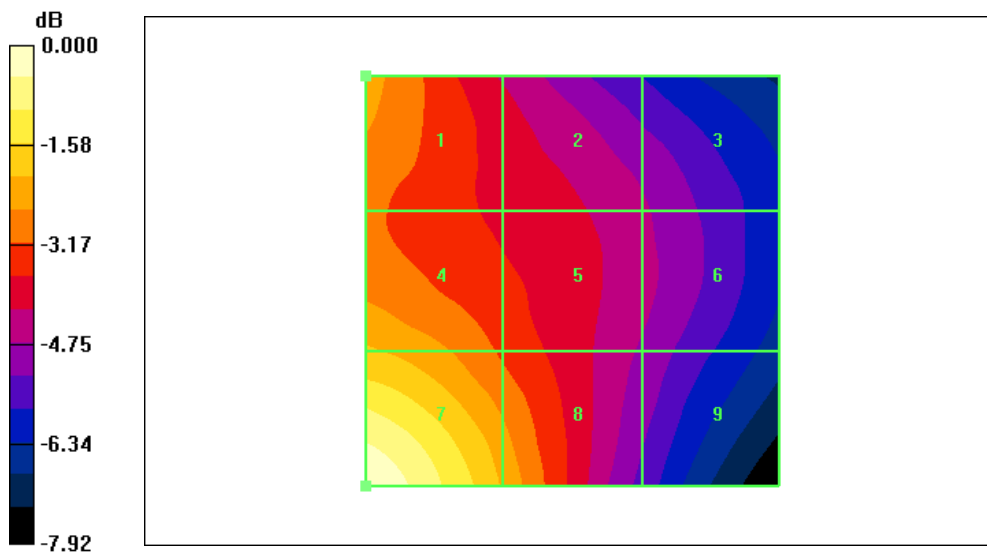
Grid 1	Grid 2	Grid 3
0.046 M4	0.039 M4	0.036 M4
Grid 4	Grid 5	Grid 6
0.048 M4	0.042 M4	0.036 M4
Grid 7	Grid 8	Grid 9
0.061 M4	0.048 M4	0.035 M4

Cursor:

Total = 0.061 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.061A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

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

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

H Scan - 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 = 0.058 A/m

Probe Modulation Factor = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.052 A/m; Power Drift = -0.065 dB

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

Peak H-field in A/m

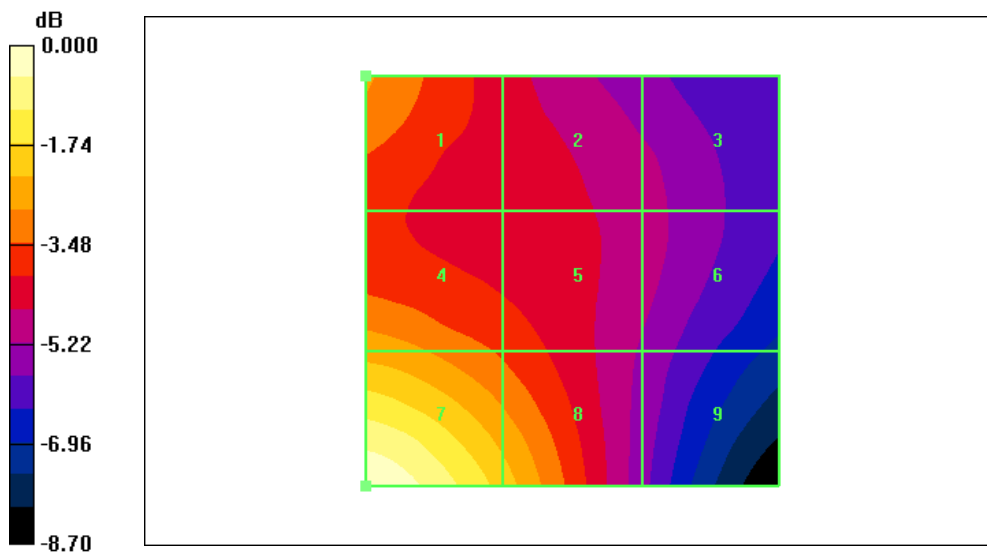
Grid 1	Grid 2	Grid 3
0.042 M4	0.035 M4	0.033 M4
Grid 4	Grid 5	Grid 6
0.043 M4	0.038 M4	0.033 M4
Grid 7	Grid 8	Grid 9
0.058 M4	0.046 M4	0.032 M4

Cursor:

Total = 0.058 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.058A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1175

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

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

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

H Scan - 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 = 0.046 A/m

Probe Modulation Factor = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.049 A/m; Power Drift = 0.100 dB

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

Peak H-field in A/m

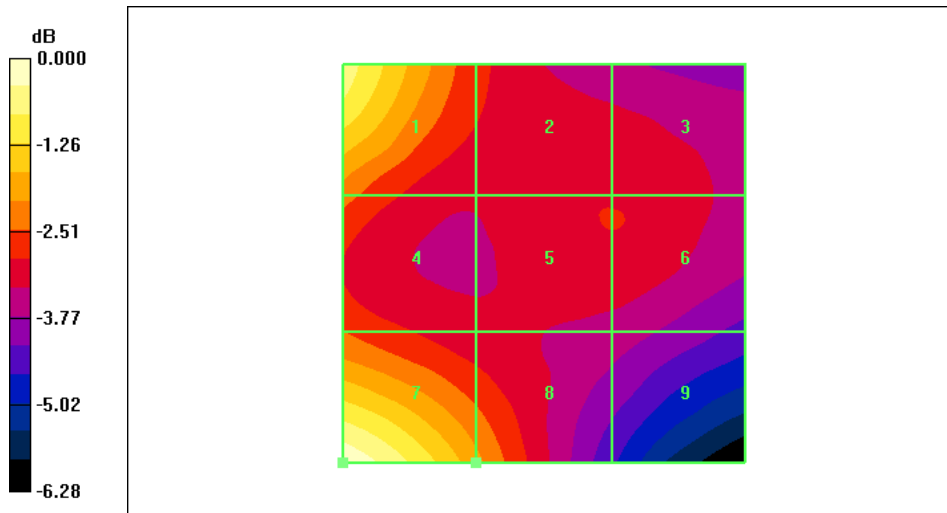
Grid 1	Grid 2	Grid 3
0.043 M4	0.033 M4	0.033 M4
Grid 4	Grid 5	Grid 6
0.035 M4	0.033 M4	0.033 M4
Grid 7	Grid 8	Grid 9
0.046 M4	0.037 M4	0.031 M4

Cursor:

Total = 0.046 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.046A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 72.3 V/m

Probe Modulation Factor = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 100.9 V/m; Power Drift = 0.058 dB

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

Peak E-field in V/m

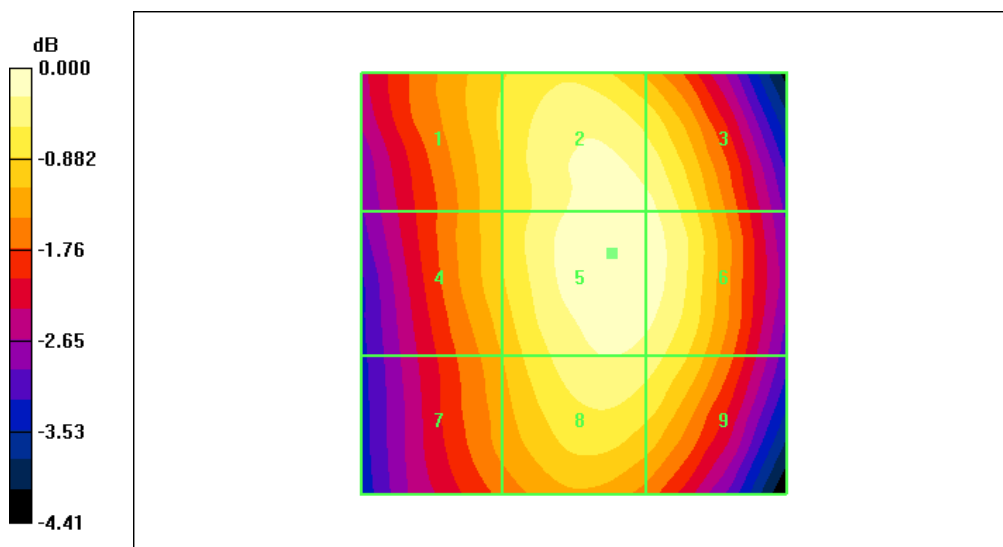
Grid 1	Grid 2	Grid 3
65.7 M4	71.5 M4	70.7 M4
Grid 4	Grid 5	Grid 6
65.2 M4	72.3 M4	71.5 M4
Grid 7	Grid 8	Grid 9
63.2 M4	70.0 M4	68.9 M4

Cursor:

Total = 72.3 V/m

E Category: M4

Location: -4.5, -3.5, 369.9 mm



0 dB = 72.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /384

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 76.1 V/m

Probe Modulation Factor = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 105.3 V/m; Power Drift = 0.043 dB

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

Peak E-field in V/m

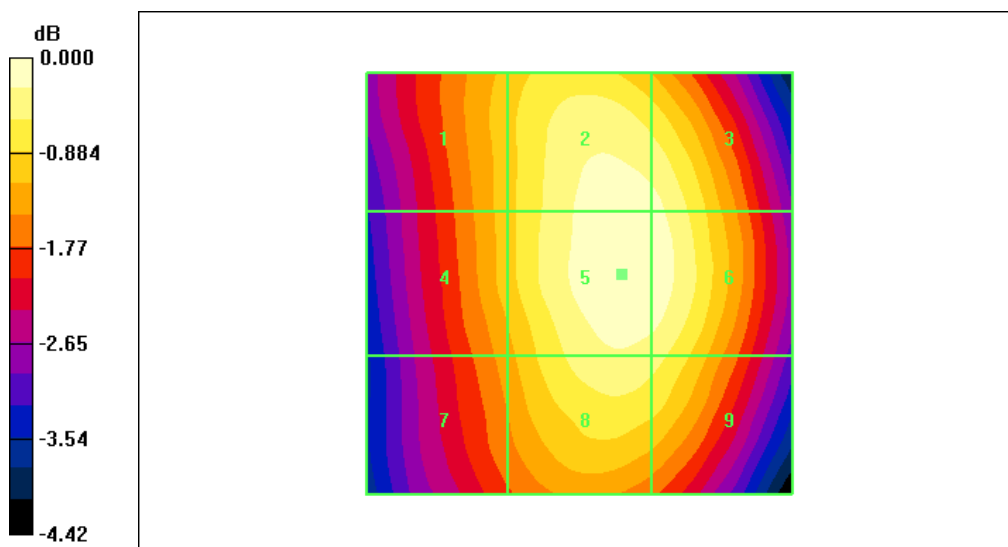
Grid 1	Grid 2	Grid 3
68.0 M4	75.3 M4	74.5 M4
Grid 4	Grid 5	Grid 6
67.9 M4	76.1 M4	75.4 M4
Grid 7	Grid 8	Grid 9
65.6 M4	73.4 M4	72.3 M4

Cursor:

Total = 76.1 V/m

E Category: M4

Location: -5, -1, 369.9 mm



0 dB = 76.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

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

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

E Scan - 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 = 76.1 V/m

Probe Modulation Factor = 0.959

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 106.5 V/m; Power Drift = 0.015 dB

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

Peak E-field in V/m

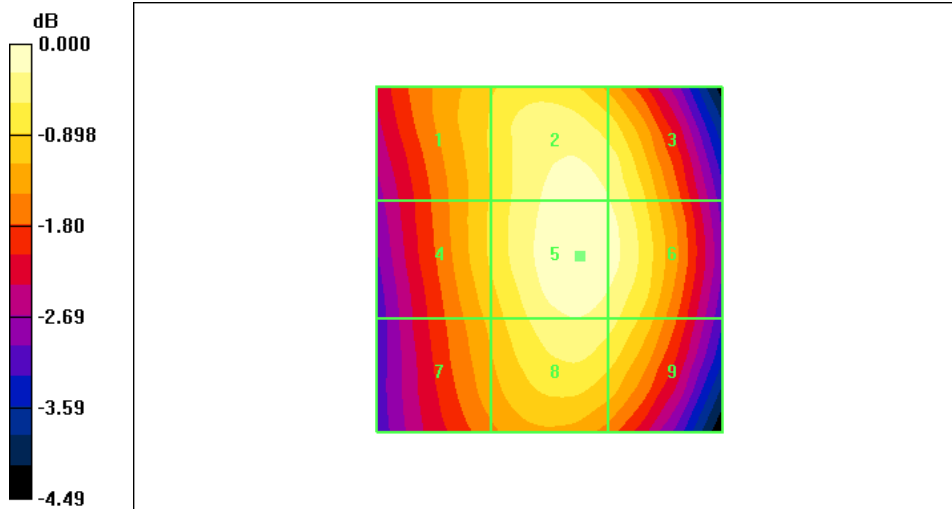
Grid 1	Grid 2	Grid 3
69.0 M4	75.0 M4	73.7 M4
Grid 4	Grid 5	Grid 6
69.1 M4	76.1 M4	74.8 M4
Grid 7	Grid 8	Grid 9
67.1 M4	73.5 M4	72.1 M4

Cursor:

Total = 76.1 V/m

E Category: M4

Location: -4.5, -0.5, 369.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 20.3 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 11.5 V/m; Power Drift = 0.100 dB

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

Peak E-field in V/m

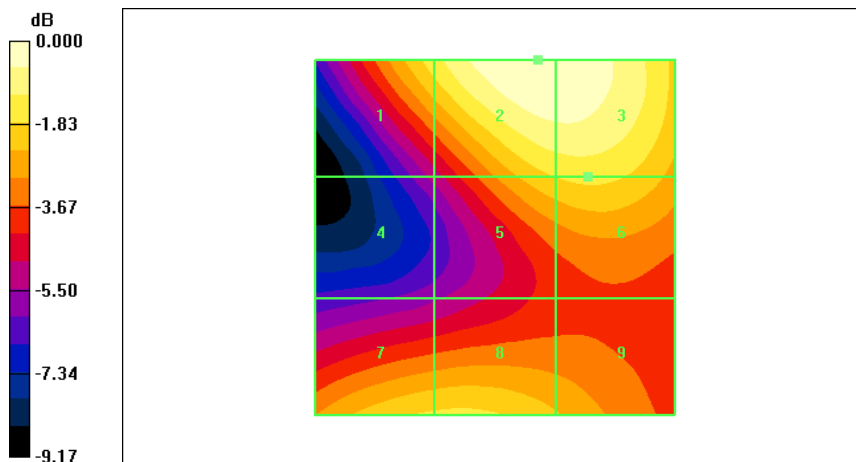
Grid 1	Grid 2	Grid 3
17.2 M4	20.3 M4	20.2 M4
Grid 4	Grid 5	Grid 6
11.1 M4	16.5 M4	16.8 M4
Grid 7	Grid 8	Grid 9
16.7 M4	16.8 M4	15.5 M4

Cursor:

Total = 20.3 V/m

E Category: M4

Location: -6, -25, 369.9 mm



0 dB = 20.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 18.0 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 10.8 V/m; Power Drift = -0.062 dB

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

Peak E-field in V/m

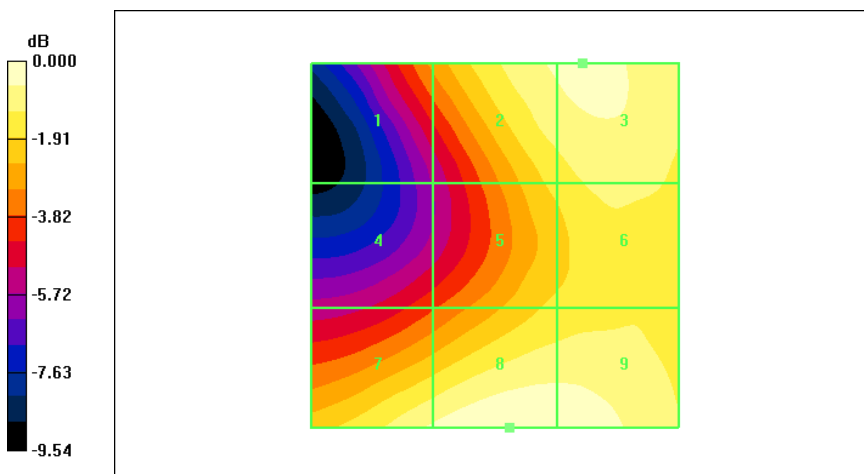
Grid 1	Grid 2	Grid 3
12.8 M4	16.9 M4	17.1 M4
Grid 4	Grid 5	Grid 6
11.5 M4	14.9 M4	15.9 M4
Grid 7	Grid 8	Grid 9
17.0 M4	18.0 M4	17.8 M4

Cursor:

Total = 18.0 V/m

E Category: M4

Location: -2, 25, 369.9 mm



0 dB = 18.0V/m

Test Laboratory: HCT CO., LTD.
Ambient Temperature / Channel 21.4 °C /1175
Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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 Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - 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 = 16.8 V/m

Probe Modulation Factor = 0.972

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 11.3 V/m; Power Drift = 0.083 dB

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

Peak E-field in V/m

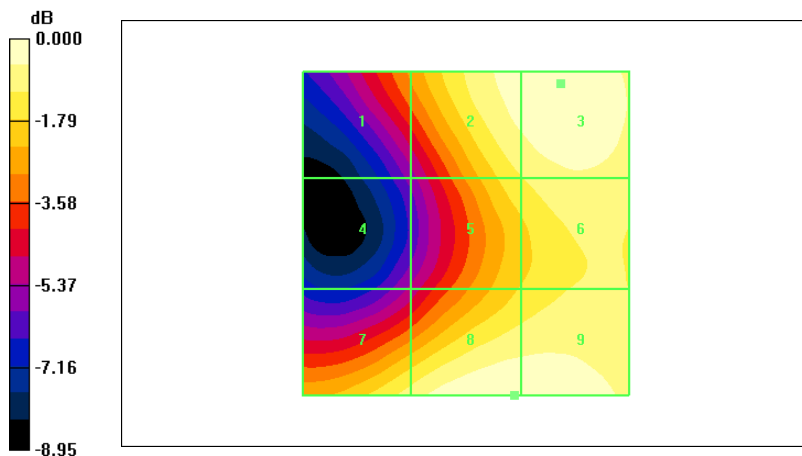
Grid 1	Grid 2	Grid 3
12.1 M4	16.2 M4	16.6 M4
Grid 4	Grid 5	Grid 6
9.25 M4	14.6 M4	15.5 M4
Grid 7	Grid 8	Grid 9
15.2 M4	16.8 M4	16.8 M4

Cursor:

Total = 16.8 V/m

E Category: M4

Location: -7.5, 25, 369.9 mm



0 dB = 16.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.150 A/m

Probe Modulation Factor = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.111 A/m; Power Drift = -0.054 dB

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

Peak H-field in A/m

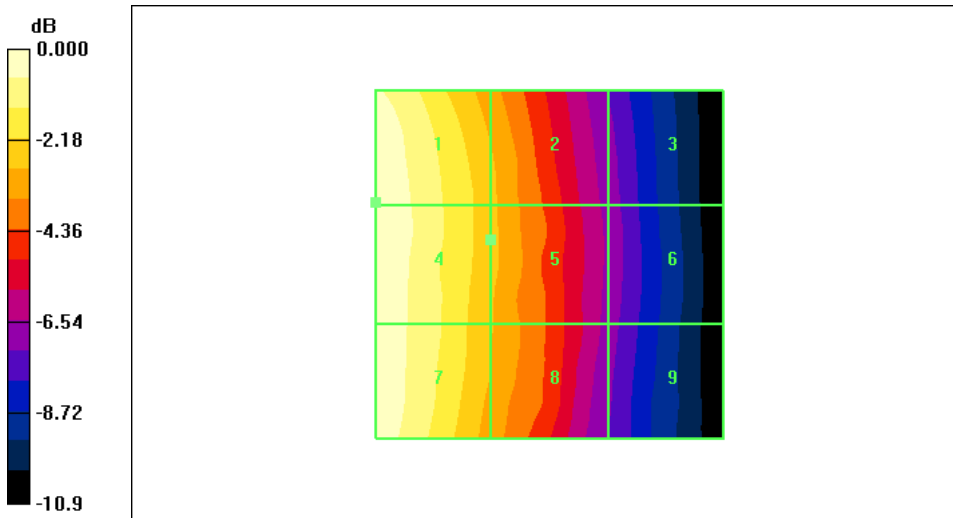
Grid 1	Grid 2	Grid 3
0.150 M4	0.110 M4	0.069 M4
Grid 4	Grid 5	Grid 6
0.150 M4	0.111 M4	0.069 M4
Grid 7	Grid 8	Grid 9
0.149 M4	0.108 M4	0.068 M4

Cursor:

Total = 0.150 A/m

H Category: M4

Location: 25, -9, 369.4 mm



0 dB = 0.150A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /384

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.146 A/m

Probe Modulation Factor = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.108 A/m; Power Drift = -0.112 dB

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

Peak H-field in A/m

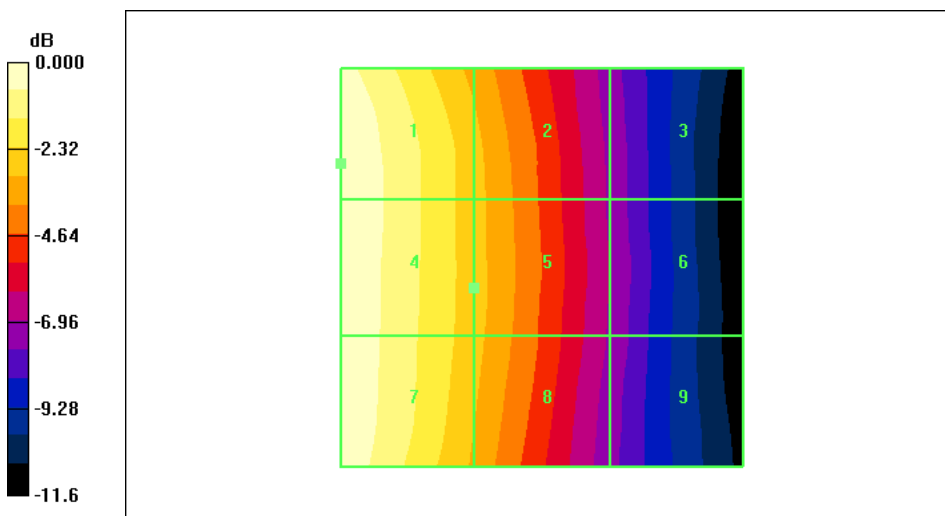
Grid 1	Grid 2	Grid 3
0.146 M4	0.106 M4	0.065 M4
Grid 4	Grid 5	Grid 6
0.146 M4	0.106 M4	0.066 M4
Grid 7	Grid 8	Grid 9
0.145 M4	0.106 M4	0.065 M4

Cursor:

Total = 0.146 A/m

H Category: M4

Location: 25, -13, 369.4 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.157 A/m

Probe Modulation Factor = 0.847

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.114 A/m; Power Drift = 0.029 dB

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

Peak H-field in A/m

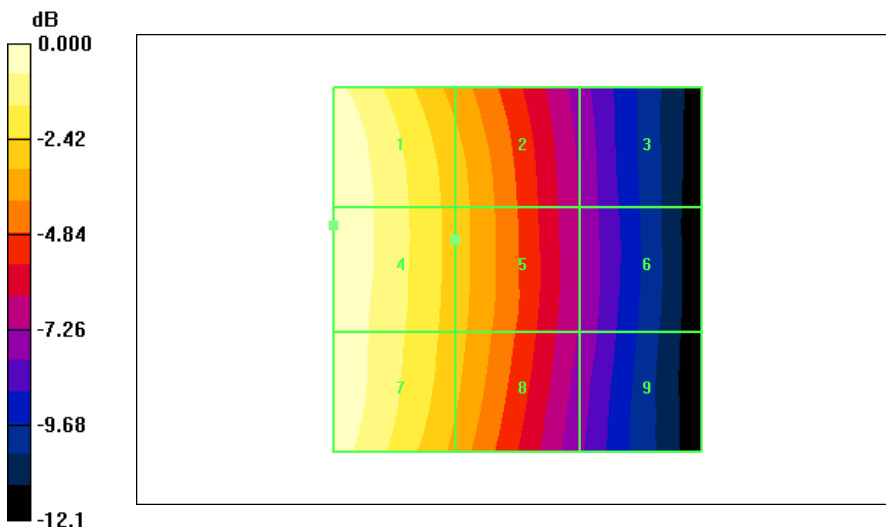
Grid 1	Grid 2	Grid 3
0.157 M4	0.114 M4	0.068 M4
Grid 4	Grid 5	Grid 6
0.157 M4	0.114 M4	0.069 M4
Grid 7	Grid 8	Grid 9
0.156 M4	0.113 M4	0.067 M4

Cursor:

Total = 0.157 A/m

H Category: M4

Location: 25, -6, 369.4 mm



0 dB = 0.157A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.049 A/m

Probe Modulation Factor = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.049 A/m; Power Drift = 0.027 dB

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

Peak H-field in A/m

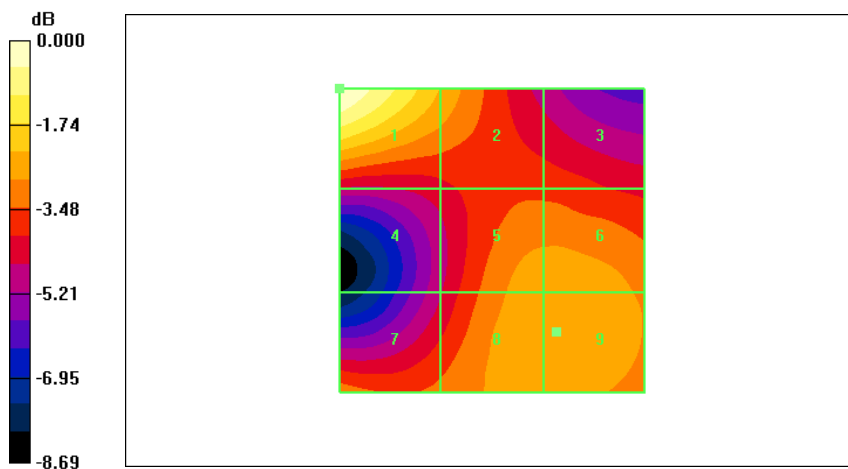
Grid 1	Grid 2	Grid 3
0.049 M4	0.037 M4	0.032 M4
Grid 4	Grid 5	Grid 6
0.030 M4	0.037 M4	0.037 M4
Grid 7	Grid 8	Grid 9
0.034 M4	0.037 M4	0.037 M4

Cursor:

Total = 0.049 A/m

H Category: M4

Location: 25, -25, 369.4 mm



0 dB = 0.049A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - 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 = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.042 A/m; Power Drift = 0.063 dB

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

Peak H-field in A/m

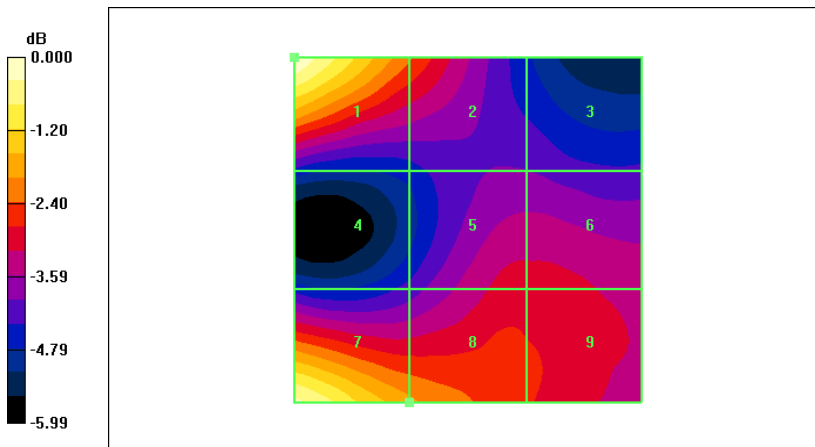
Grid 1	Grid 2	Grid 3
0.044 M4	0.034 M4	0.028 M4
Grid 4	Grid 5	Grid 6
0.027 M4	0.031 M4	0.031 M4
Grid 7	Grid 8	Grid 9
0.043 M4	0.035 M4	0.032 M4

Cursor:

Total = 0.044 A/m

H Category: M4

Location: 25, -25, 369.4 mm



0 dB = 0.044A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1175

Test Date May 12, 2009

DUT: TXT8030; Type: Swing ; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

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

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

H Scan - 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 = 0.048 A/m

Probe Modulation Factor = 0.752

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.049 A/m; Power Drift = -0.039 dB

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

Peak H-field in A/m

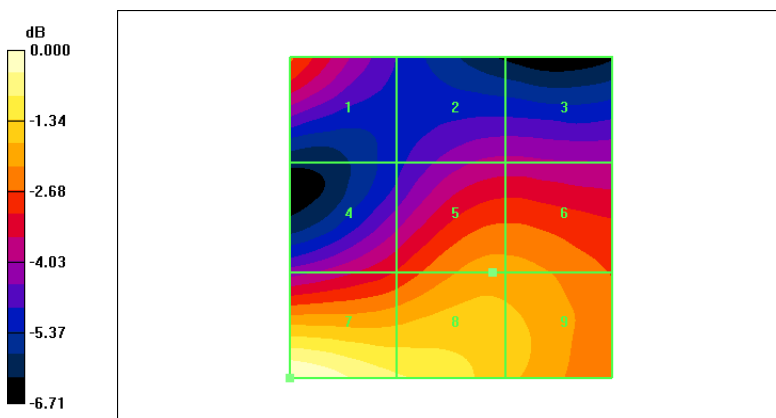
Grid 1	Grid 2	Grid 3
0.036 M4	0.031 M4	0.031 M4
Grid 4	Grid 5	Grid 6
0.034 M4	0.038 M4	0.038 M4
Grid 7	Grid 8	Grid 9
0.048 M4	0.044 M4	0.040 M4

Cursor:

Total = 0.048 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.048A/m