

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

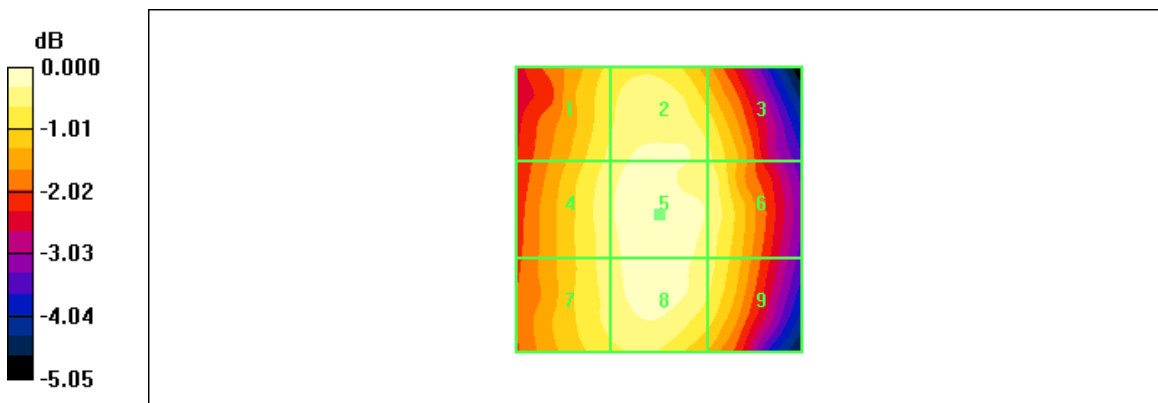
E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 53.2 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 72.8 V/m; Power Drift = 0.000 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
49.9 M4	52.0 M4	49.8 M4
Grid 4	Grid 5	Grid 6
50.8 M4	53.2 M4	51.0 M4
Grid 7	Grid 8	Grid 9
50.4 M4	52.6 M4	50.1 M4

Cursor:
 Total = 53.2 V/m
 E Category: M4
 Location: 0, 1, 370.9 mm



0 dB = 53.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /384
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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):

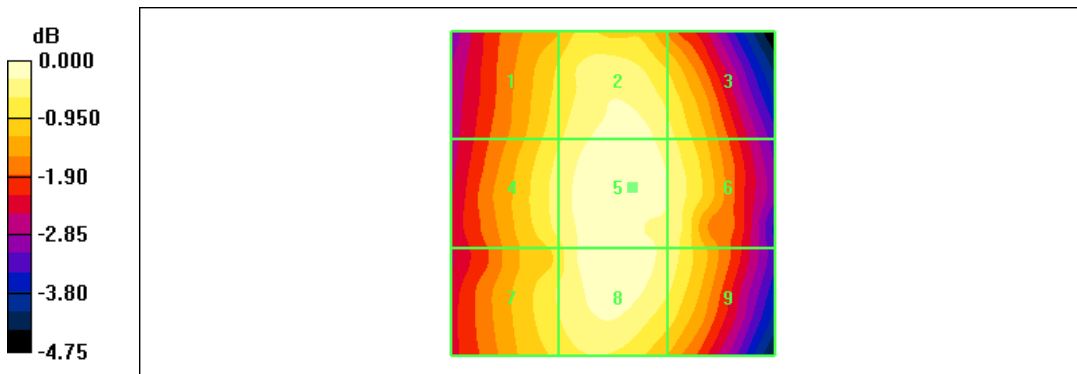
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 58.2 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 79.8 V/m; Power Drift = 0.002 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
53.7 M4	57.1 M4	54.9 M4
Grid 4	Grid 5	Grid 6
55.0 M4	58.2 M4	56.3 M4
Grid 7	Grid 8	Grid 9
54.3 M4	57.7 M4	55.3 M4

Cursor:

Total = 58.2 V/m
 E Category: M4
 Location: -3, -1, 370.9 mm



0 dB = 58.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /777
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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

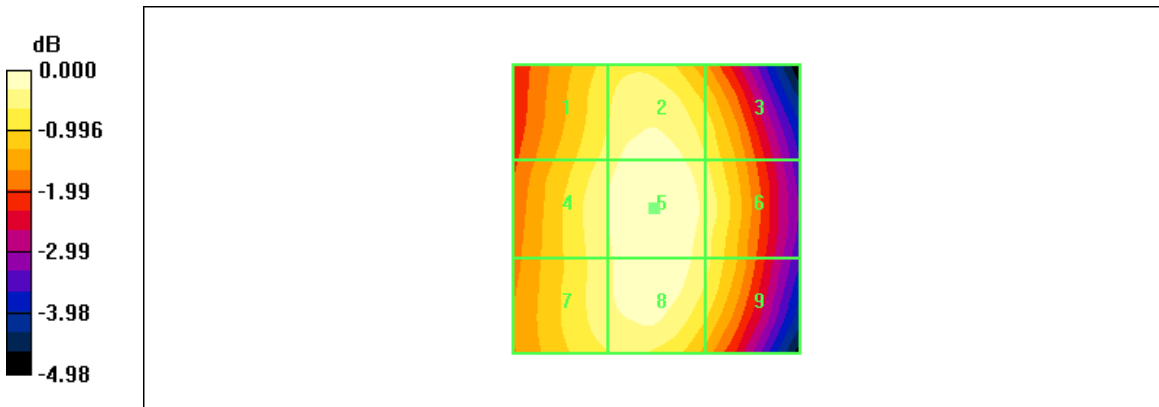
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 60.1 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 82.4 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
56.7 M4	58.9 M4	55.8 M4
Grid 4	Grid 5	Grid 6
58.0 M4	60.1 M4	57.3 M4
Grid 7	Grid 8	Grid 9
57.4 M4	59.4 M4	56.3 M4

Cursor:
 Total = 60.1 V/m
 E Category: M4
 Location: 0.5, 0, 370.9 mm



0 dB = 60.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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 = 30.0 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 12.7 V/m; Power Drift = 0.171 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

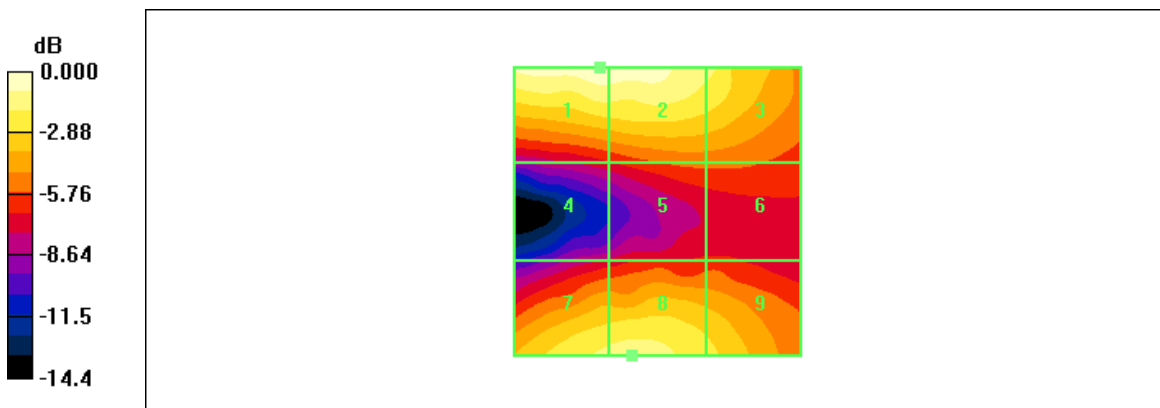
Grid 1	Grid 2	Grid 3
30.0 M4	29.7 M4	24.8 M4
Grid 4	Grid 5	Grid 6
13.7 M4	16.1 M4	16.2 M4
Grid 7	Grid 8	Grid 9
24.7 M4	25.1 M4	22.4 M4

Cursor:

Total = 30.0 V/m

E Category: M4

Location: 10, -25, 370.9 mm



0 dB = 30.0V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /600
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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

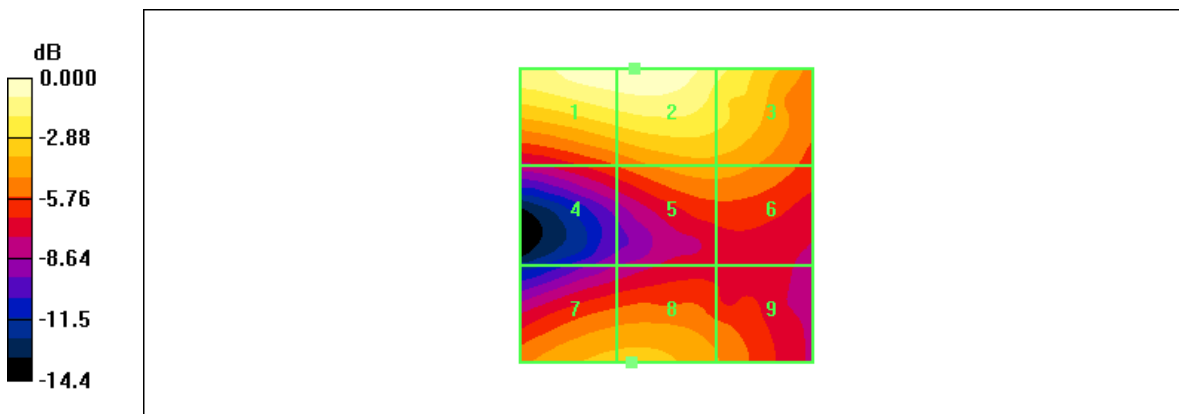
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 30.5 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 15.9 V/m; Power Drift = 0.023 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
29.9 M4	30.5 M4	25.8 M4
Grid 4	Grid 5	Grid 6
15.8 M4	18.9 M4	18.8 M4
Grid 7	Grid 8	Grid 9
20.5 M4	20.6 M4	17.8 M4

Cursor:
 Total = 30.5 V/m
 E Category: M4
 Location: 5.5, -25, 370.9 mm



0 dB = 30.5V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1175
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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):

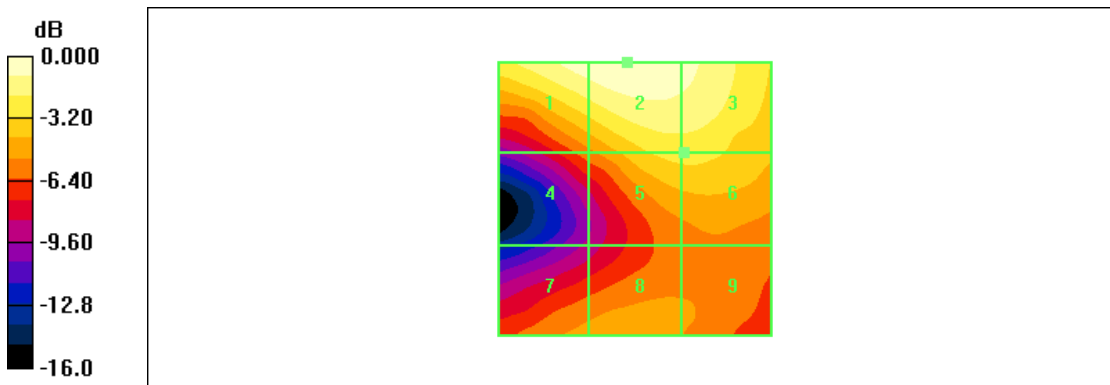
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 31.2 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 19.0 V/m; Power Drift = 0.342 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
30.0 M4	31.2 M4	29.0 M4
Grid 4	Grid 5	Grid 6
16.3 M4	22.7 M4	22.7 M4
Grid 7	Grid 8	Grid 9
17.8 M4	18.3 M4	17.2 M4

Cursor:

Total = 31.2 V/m
 E Category: M4
 Location: 1.5, -25, 370.9 mm



0 dB = 31.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

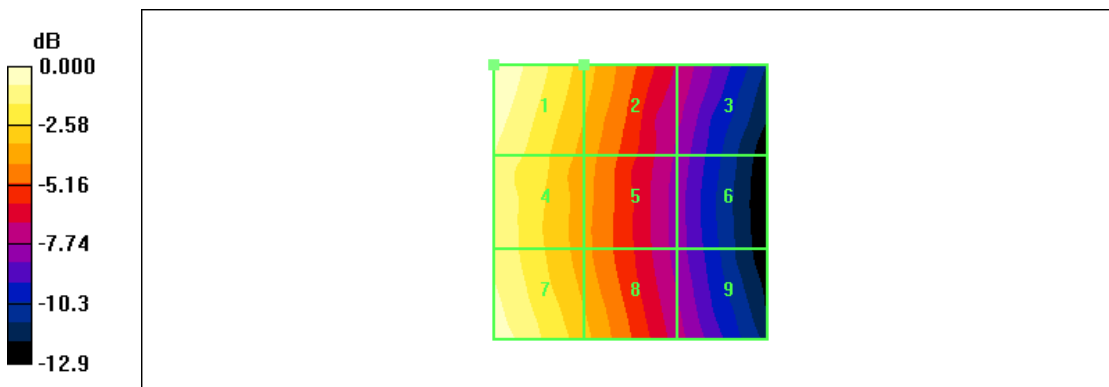
H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.092 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.056 A/m; Power Drift = -0.148 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.092 M4	Grid 2 0.065 M4	Grid 3 0.041 M4
Grid 4 0.084 M4	Grid 5 0.060 M4	Grid 6 0.037 M4
Grid 7 0.088 M4	Grid 8 0.064 M4	Grid 9 0.040 M4

Cursor:
 Total = 0.092 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.092A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /384
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DASYS4, 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: DAE3 Sn466; Calibrated: 2011-03-01
 - 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):

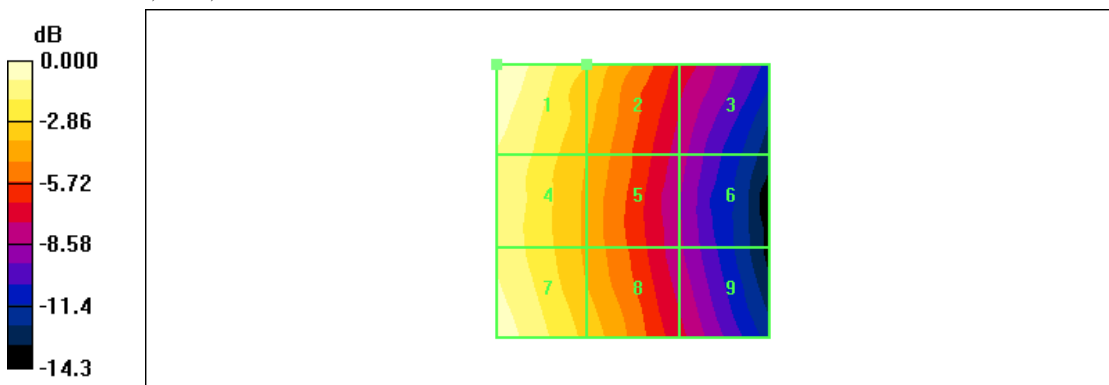
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.100 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.060 A/m; Power Drift = -0.109 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.100 M4	Grid 2 0.072 M4	Grid 3 0.046 M4
Grid 4 0.089 M4	Grid 5 0.065 M4	Grid 6 0.039 M4
Grid 7 0.097 M4	Grid 8 0.070 M4	Grid 9 0.043 M4

Cursor:

Total = 0.100 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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

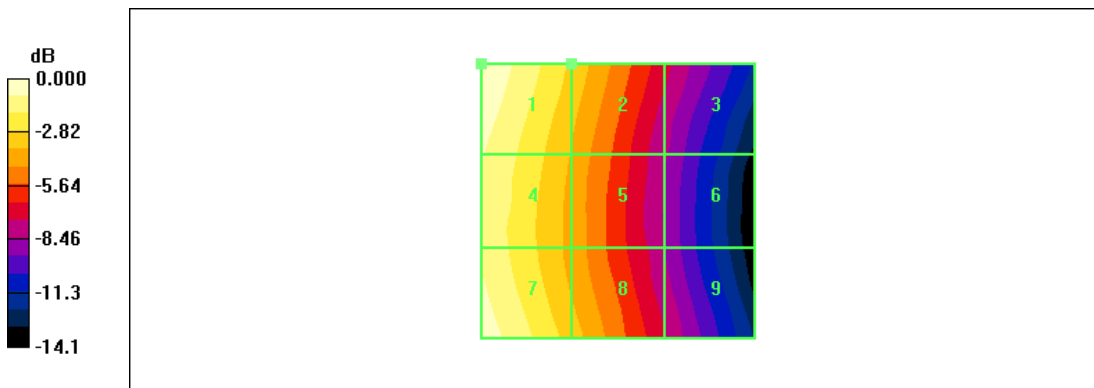
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.102 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.059 A/m; Power Drift = 0.035 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.102 M4	Grid 2 0.072 M4	Grid 3 0.045 M4
Grid 4 0.093 M4	Grid 5 0.066 M4	Grid 6 0.039 M4
Grid 7 0.098 M4	Grid 8 0.070 M4	Grid 9 0.043 M4

Cursor:
 Total = 0.102 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.102A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - 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):

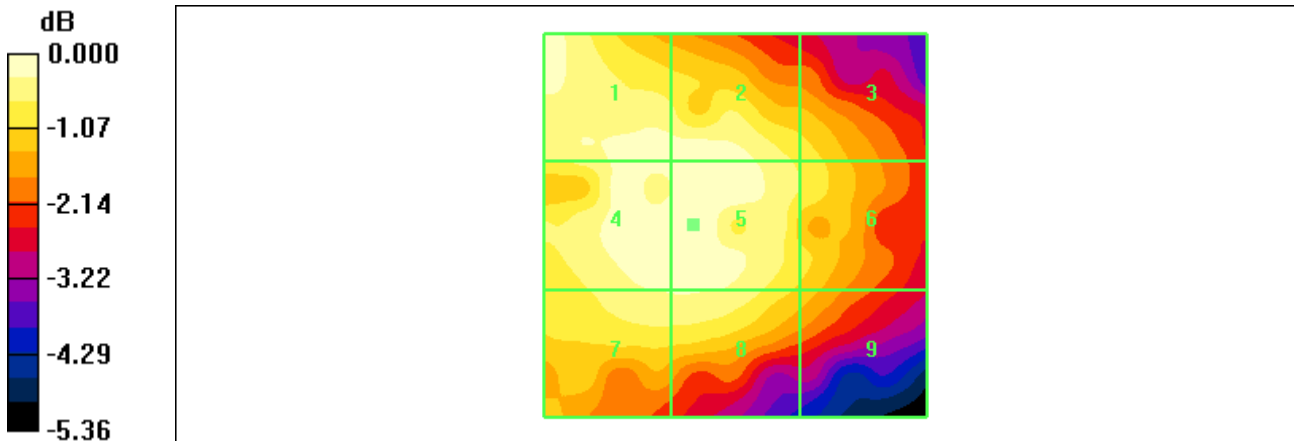
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.063 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.093 A/m; Power Drift = 0.019 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.063 M4	0.062 M4	0.057 M4
Grid 4	Grid 5	Grid 6
0.062 M4	0.063 M4	0.058 M4
Grid 7	Grid 8	Grid 9
0.061 M4	0.061 M4	0.055 M4

Cursor:

Total = 0.063 A/m
 H Category: M4
 Location: 5.5, 0, 370.9 mm



0 dB = 0.063A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /600
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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

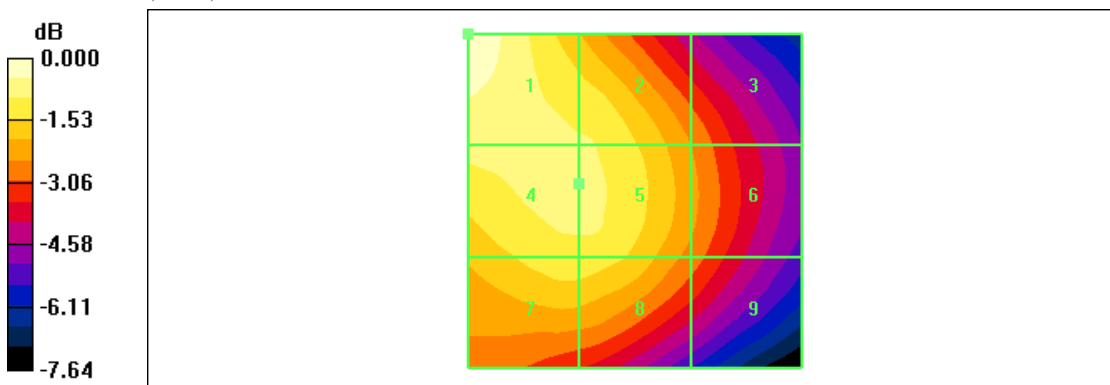
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.070 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.089 A/m; Power Drift = -0.106 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.070 M4	Grid 2 0.063 M4	Grid 3 0.052 M4
Grid 4 0.064 M4	Grid 5 0.063 M4	Grid 6 0.053 M4
Grid 7 0.061 M4	Grid 8 0.061 M4	Grid 9 0.051 M4

Cursor:
 Total = 0.070 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.070A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1175

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide down; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - 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):

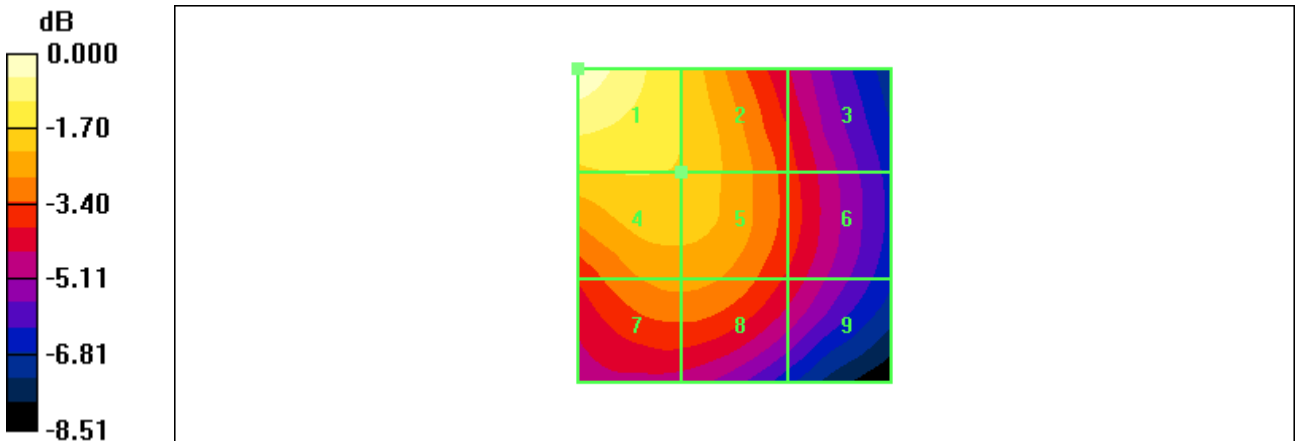
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.078 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.085 A/m; Power Drift = -0.044 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.078 M4	0.064 M4	0.051 M4
Grid 4	Grid 5	Grid 6
0.064 M4	0.063 M4	0.052 M4
Grid 7	Grid 8	Grid 9
0.058 M4	0.058 M4	0.049 M4

Cursor:

Total = 0.078 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.078A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /1013

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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):

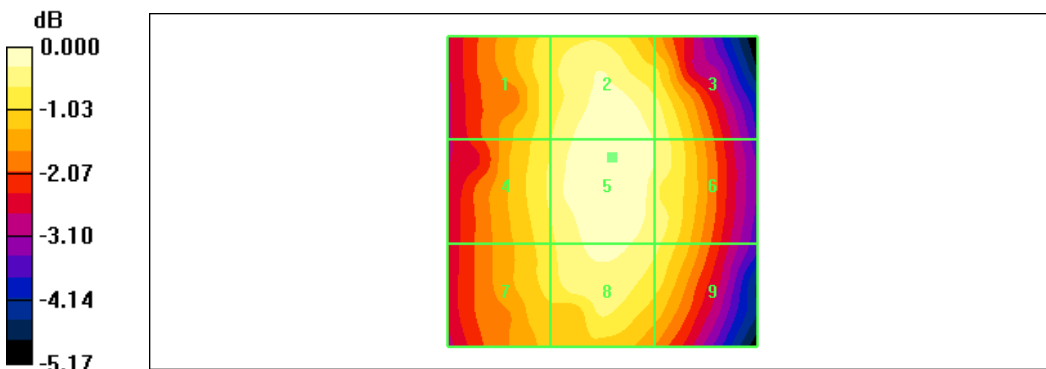
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 57.5 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 79.1 V/m; Power Drift = 0.042 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
53.0 M4	57.1 M4	55.0 M4
Grid 4	Grid 5	Grid 6
53.6 M4	57.5 M4	55.3 M4
Grid 7	Grid 8	Grid 9
52.5 M4	55.8 M4	53.7 M4

Cursor:

Total = 57.5 V/m
 E Category: M4
 Location: -1.5, -5.5, 370.9 mm



0 dB = 57.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /384

Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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):

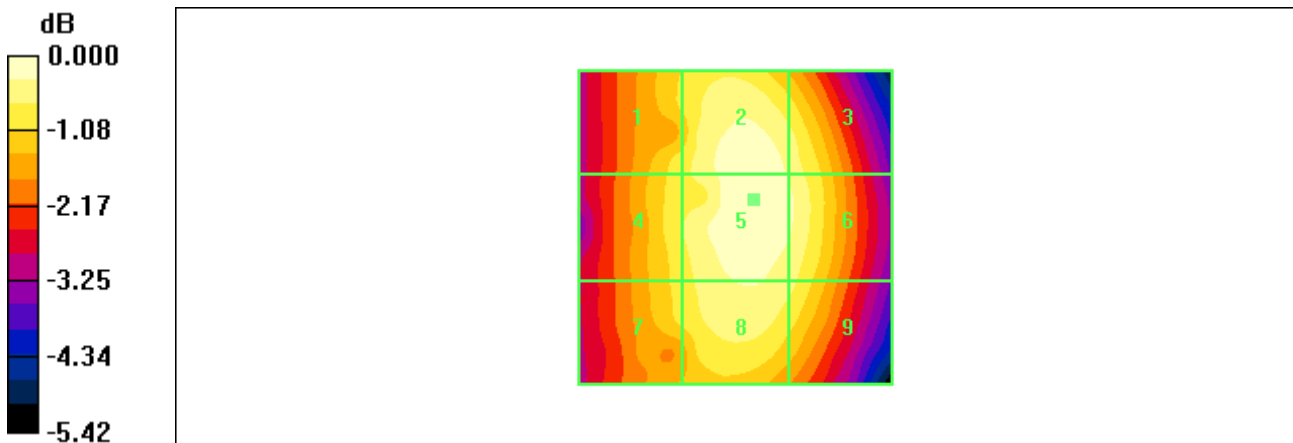
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 57.6 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 79.3 V/m; Power Drift = 0.026 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
52.2 M4	57.2 M4	55.0 M4
Grid 4	Grid 5	Grid 6
52.9 M4	57.6 M4	55.7 M4
Grid 7	Grid 8	Grid 9
52.0 M4	55.4 M4	53.8 M4

Cursor:

Total = 57.6 V/m
 E Category: M4
 Location: -3, -4.5, 370.9 mm



0 dB = 57.6V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /777
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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

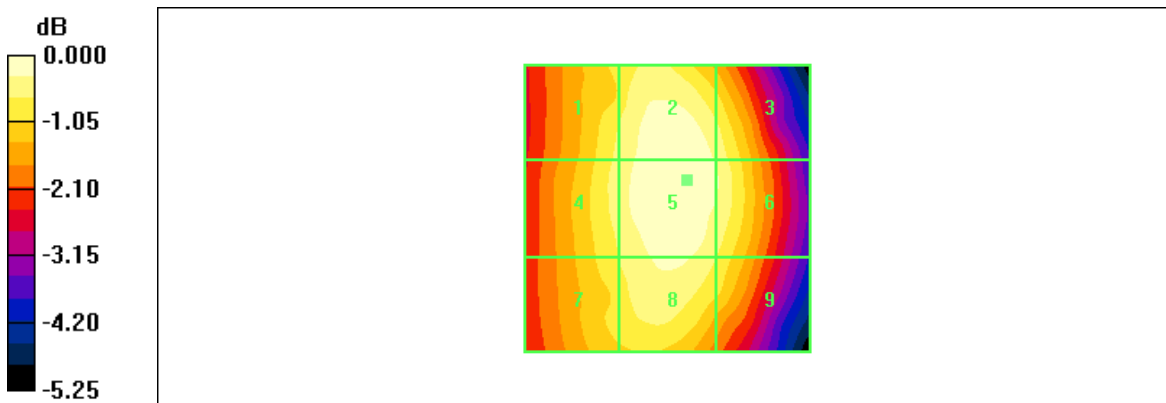
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 62.8 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 86.9 V/m; Power Drift = 0.040 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
58.7 M4	62.5 M4	59.9 M4
Grid 4	Grid 5	Grid 6
59.2 M4	62.8 M4	60.7 M4
Grid 7	Grid 8	Grid 9
58.0 M4	60.9 M4	58.0 M4

Cursor:
 Total = 62.8 V/m
 E Category: M4
 Location: -3.5, -5, 370.9 mm



0 dB = 62.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /25
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAE3 Sn466; Calibrated: 2011-03-01
- 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):

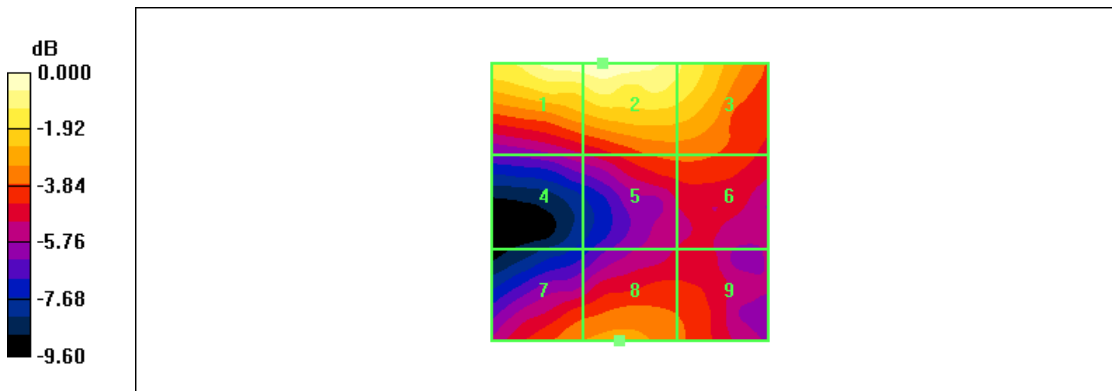
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 32.3 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 20.8 V/m; Power Drift = -0.027 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
32.0 M4	32.3 M4	28.4 M4
Grid 4	Grid 5	Grid 6
17.8 M4	21.3 M4	21.3 M4
Grid 7	Grid 8	Grid 9
22.4 M4	22.9 M4	21.2 M4

Cursor:

Total = 32.3 V/m
 E Category: M4
 Location: 5, -25, 370.9 mm



0 dB = 32.3V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /600
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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

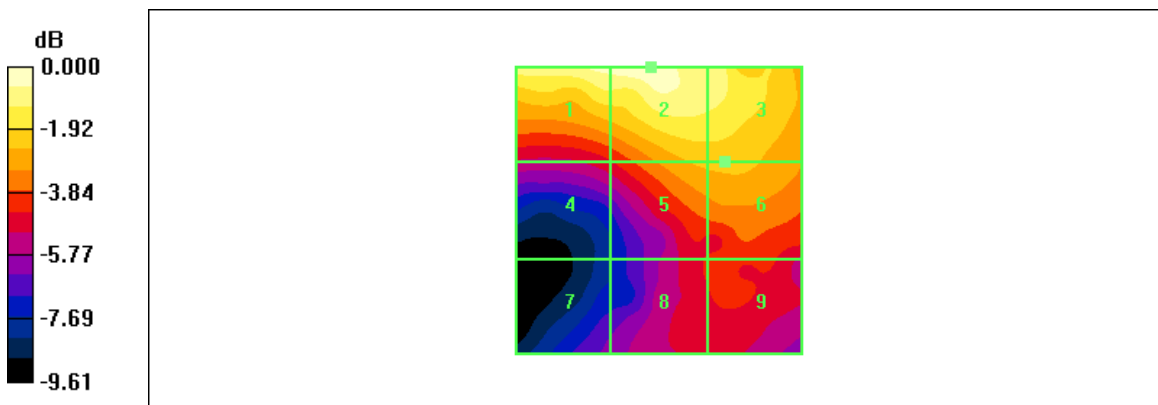
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 29.8 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 21.9 V/m; Power Drift = -0.175 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
28.9 M4	29.8 M4	27.4 M4
Grid 4	Grid 5	Grid 6
17.7 M4	22.7 M4	22.8 M4
Grid 7	Grid 8	Grid 9
14.7 M4	18.1 M4	18.4 M4

Cursor:
 Total = 29.8 V/m
 E Category: M4
 Location: 1.5, -25, 370.9 mm



0 dB = 29.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1175
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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

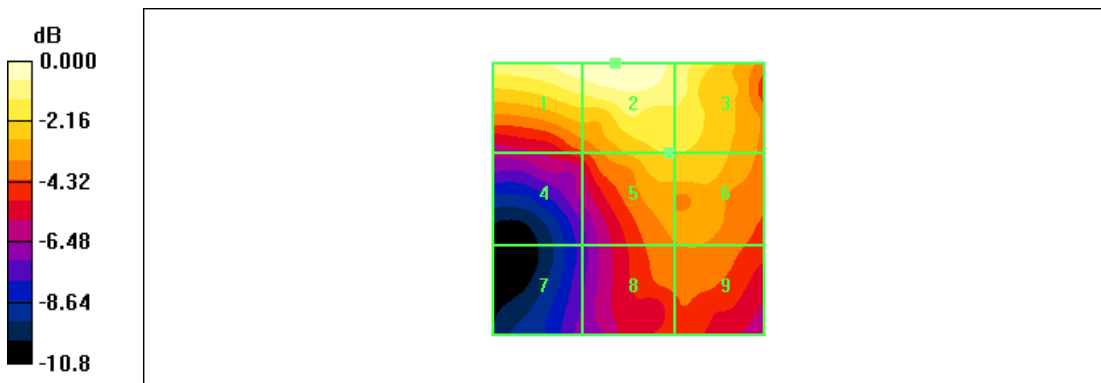
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 35.3 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 30.3 V/m; Power Drift = -0.087 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
34.7 M4	35.3 M4	31.7 M4
Grid 4	Grid 5	Grid 6
21.2 M4	27.7 M4	27.6 M4
Grid 7	Grid 8	Grid 9
16.0 M4	23.2 M4	23.4 M4

Cursor:
 Total = 35.3 V/m
 E Category: M4
 Location: 2.5, -25, 370.9 mm



0 dB = 35.3V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1013
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

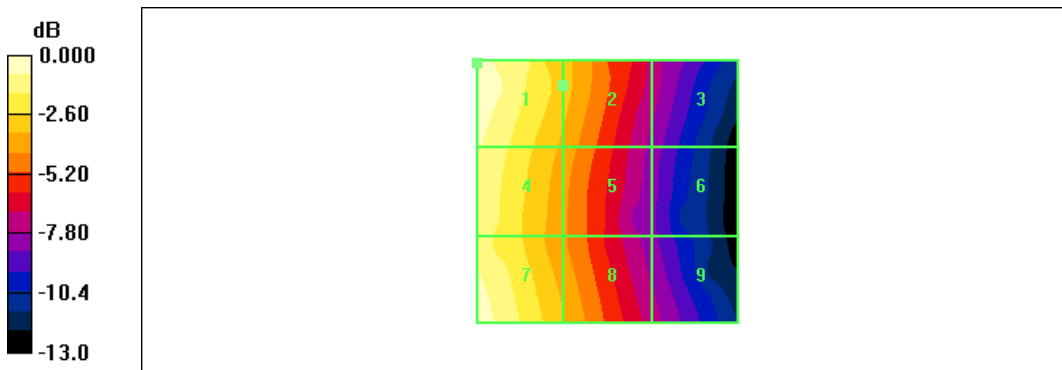
H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.093 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.053 A/m; Power Drift = -0.037 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	0.040 M4
Grid 4	Grid 5	Grid 6
0.085 M4	0.061 M4	0.037 M4
Grid 7	Grid 8	Grid 9
0.090 M4	0.063 M4	0.040 M4

Cursor:

Total = 0.093 A/m
 H Category: M4
 Location: 25, -24.5, 370.9 mm



0 dB = 0.093A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /384
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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

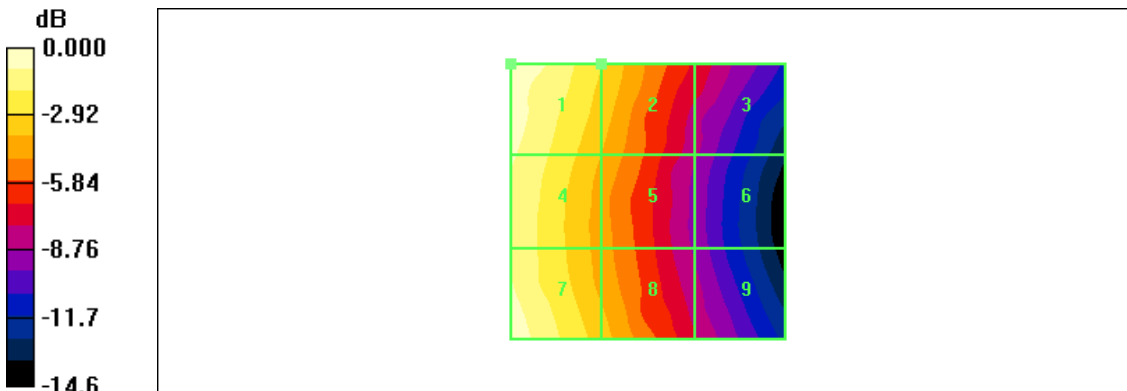
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.052 A/m; Power Drift = 0.010 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.068 M4	Grid 3 0.043 M4
Grid 4 0.087 M4	Grid 5 0.061 M4	Grid 6 0.036 M4
Grid 7 0.091 M4	Grid 8 0.064 M4	Grid 9 0.040 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 21.4 °C /777
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAS4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

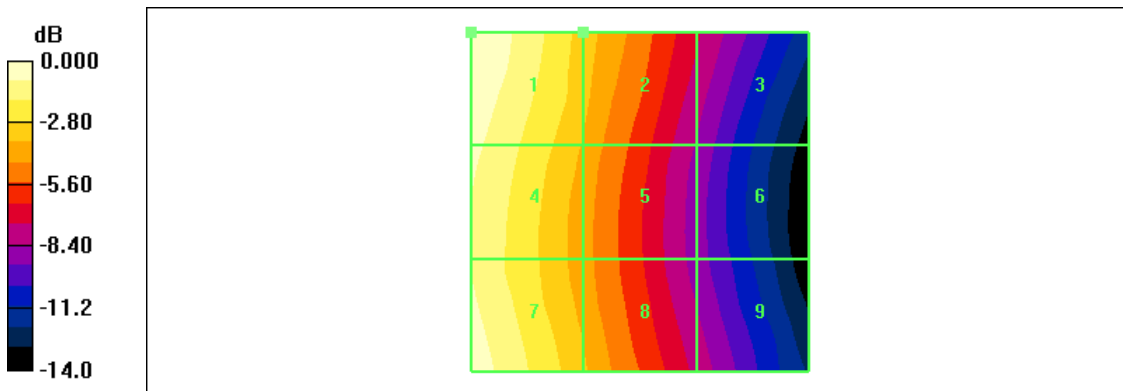
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.102 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.055 A/m; Power Drift = 0.022 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.102 M4	Grid 2 0.071 M4	Grid 3 0.044 M4
Grid 4 0.095 M4	Grid 5 0.066 M4	Grid 6 0.038 M4
Grid 7 0.098 M4	Grid 8 0.068 M4	Grid 9 0.042 M4

Cursor:
 Total = 0.102 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.102A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /25
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

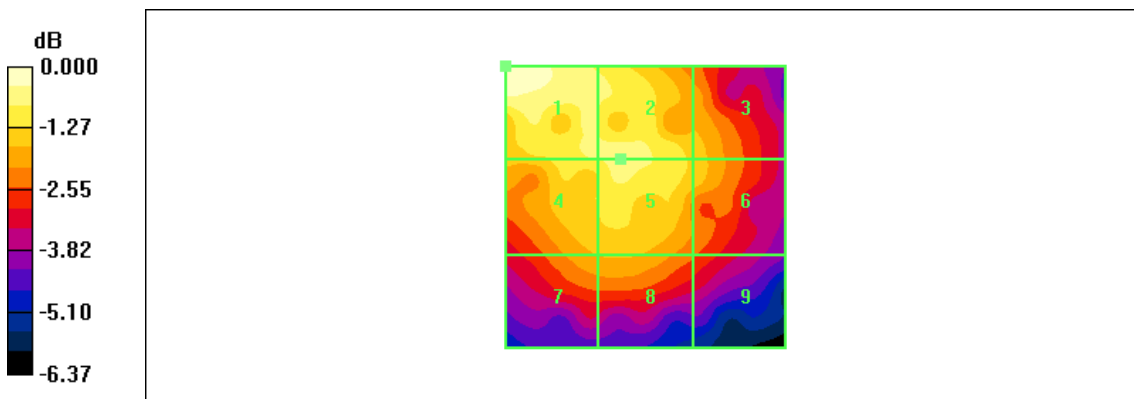
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.069 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.089 A/m; Power Drift = -0.019 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.069 M4	Grid 2 0.064 M4	Grid 3 0.059 M4
Grid 4 0.063 M4	Grid 5 0.064 M4	Grid 6 0.059 M4
Grid 7 0.057 M4	Grid 8 0.057 M4	Grid 9 0.052 M4

Cursor:

Total = 0.069 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.069A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /600
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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: DAS4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

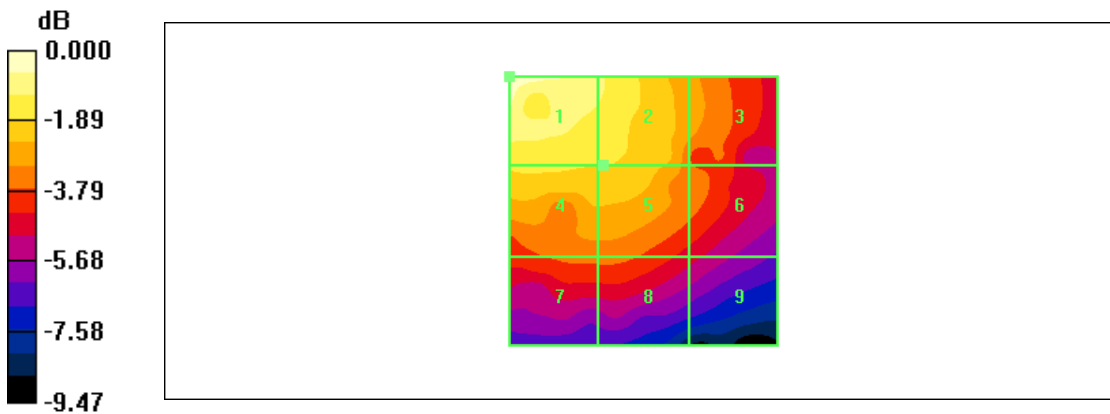
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.071 A/m; Power Drift = -0.007 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.068 M4	Grid 2 0.060 M4	Grid 3 0.049 M4
Grid 4 0.056 M4	Grid 5 0.055 M4	Grid 6 0.047 M4
Grid 7 0.045 M4	Grid 8 0.045 M4	Grid 9 0.039 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 21.4 °C /1175
 Test Date Jan.12, 2011

DUT: TXT8045US; Type: Slide up; 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

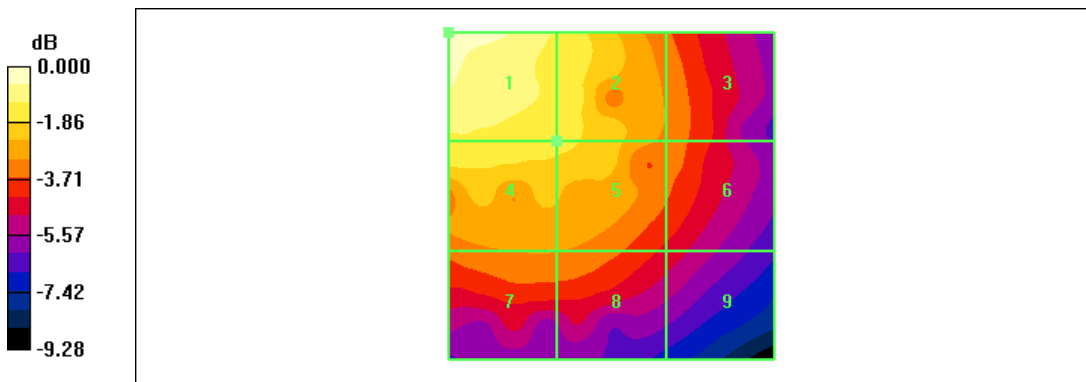
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.082 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.086 A/m; Power Drift = -0.008 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.082 M4	Grid 2 0.071 M4	Grid 3 0.057 M4
Grid 4 0.070 M4	Grid 5 0.067 M4	Grid 6 0.056 M4
Grid 7 0.058 M4	Grid 8 0.058 M4	Grid 9 0.049 M4

Cursor:
 Total = 0.082 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.082A/m