

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1013

Test Date June 5, 2011

DUT: ADR8995; 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: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20

- Sensor-Surface: (Fix Surface)

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

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

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

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

Maximum value of peak Total field = 40.0 V/m

Probe Modulation Factor = 0.948

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 53.4 V/m; Power Drift = 0.078 dB

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

Peak E-field in V/m

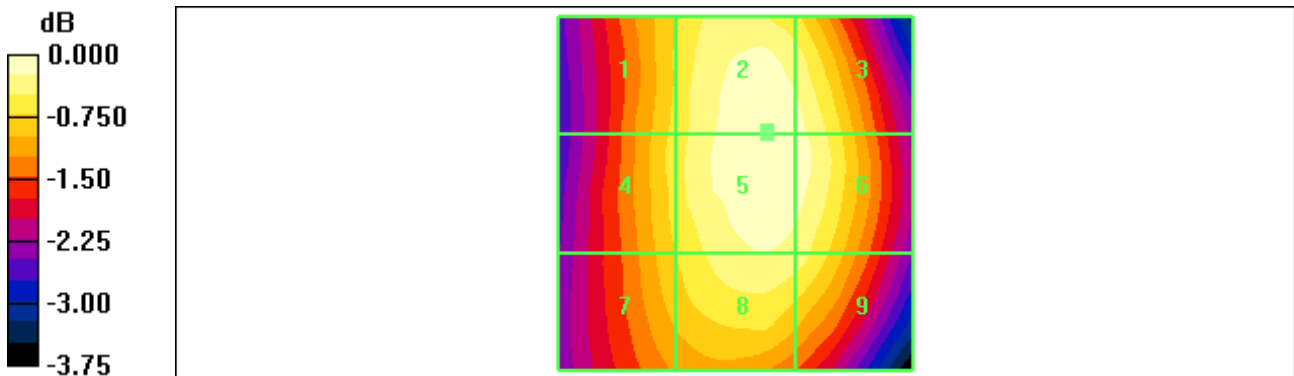
Grid 1	Grid 2	Grid 3
37.1 M4	40.0 M4	39.4 M4
Grid 4	Grid 5	Grid 6
37.3 M4	40.0 M4	39.6 M4
Grid 7	Grid 8	Grid 9
36.7 M4	38.8 M4	38.3 M4

Cursor:

Total = 40.0 V/m

E Category: M4

Location: -4.5, -9, 370.9 mm



0 dB = 40.0V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /384
 Test Date June 5, 2011

DUT: ADR8995; 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

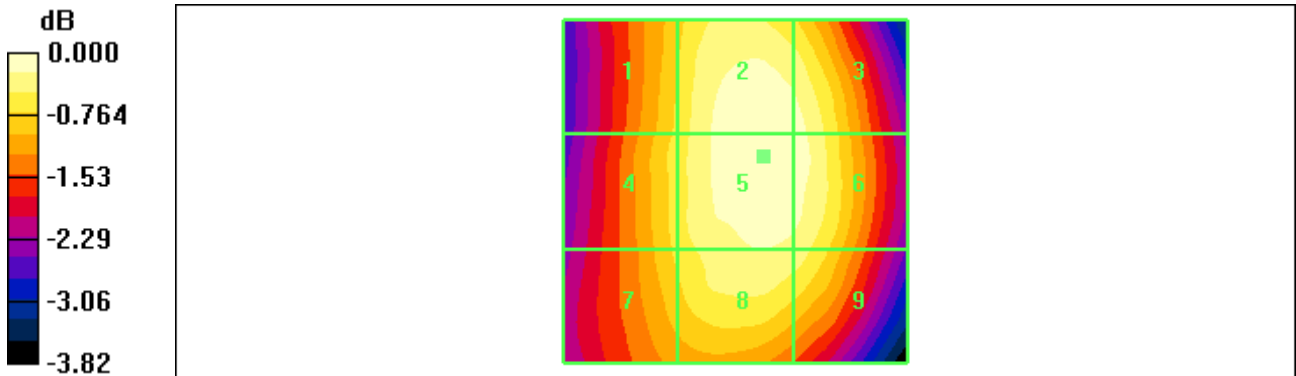
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 45.6 V/m
 Probe Modulation Factor = 0.948
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 60.9 V/m; Power Drift = -0.120 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
42.1 M4	45.5 M4	44.9 M4
Grid 4	Grid 5	Grid 6
42.4 M4	45.6 M4	45.2 M4
Grid 7	Grid 8	Grid 9
42.1 M4	44.3 M4	43.8 M4

Cursor:
 Total = 45.6 V/m
 E Category: M4
 Location: -4, -5, 370.9 mm



0 dB = 45.6V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /777
 Test Date June 5, 2011

DUT: ADR8995; 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

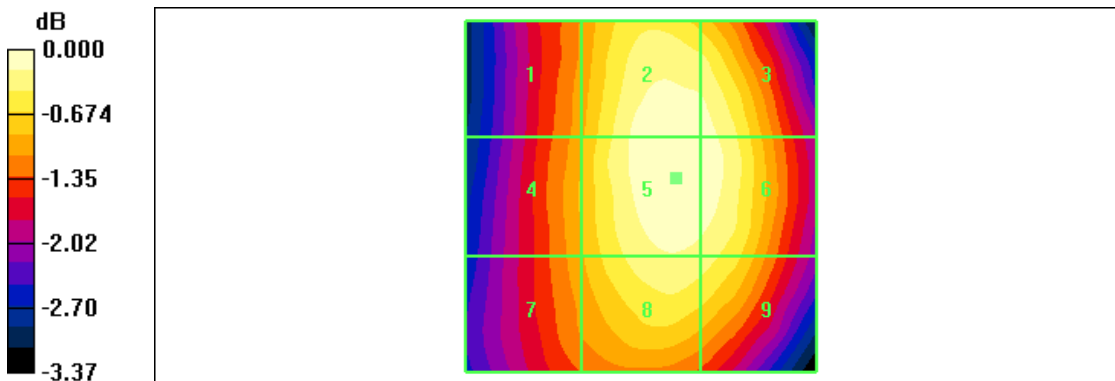
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 42.1 V/m
 Probe Modulation Factor = 0.948
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 56.2 V/m; Power Drift = -0.007 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
37.8 M4	42.0 M4	41.7 M4
Grid 4	Grid 5	Grid 6
38.1 M4	42.1 M4	41.9 M4
Grid 7	Grid 8	Grid 9
37.9 M4	40.9 M4	40.6 M4

Cursor:
 Total = 42.1 V/m
 E Category: M4
 Location: -5, -2.5, 370.9 mm



0 dB = 42.1V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /25
 Test Date June 5, 2011

DUT: ADR8995; 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

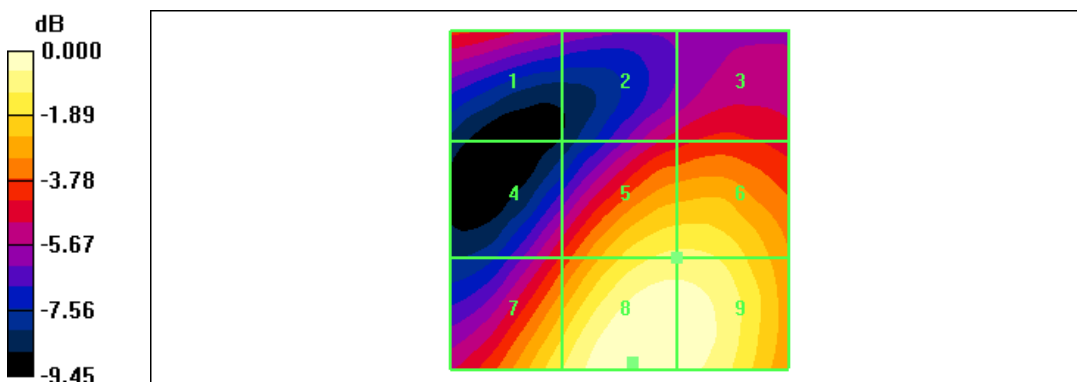
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 38.8 V/m
 Probe Modulation Factor = 0.980
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 27.0 V/m; Power Drift = 0.009 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
24.1 M4	22.8 M4	24.1 M4
Grid 4	Grid 5	Grid 6
23.7 M4	34.3 M4	34.3 M4
Grid 7	Grid 8	Grid 9
33.5 M4	38.8 M4	37.9 M4

Cursor:
 Total = 38.8 V/m
 E Category: M4
 Location: -2, 24, 366.6 mm



0 dB = 38.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /600
 Test Date June 5, 2011

DUT: ADR8995; 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

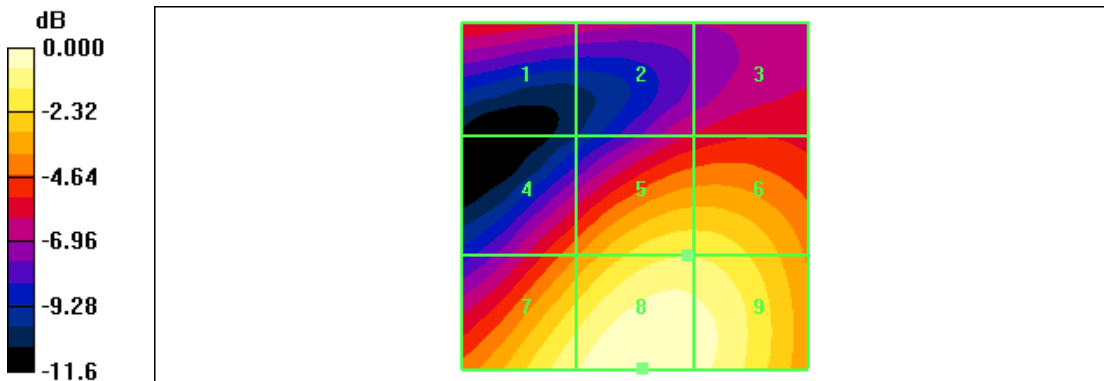
DASY4 Configuration:
 - Probe: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 41.4 V/m
 Probe Modulation Factor = 0.980
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 26.9 V/m; Power Drift = 0.095 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
22.3 M4	20.7 M4	22.2 M4
Grid 4	Grid 5	Grid 6
26.2 M4	34.5 M4	34.4 M4
Grid 7	Grid 8	Grid 9
37.5 M4	41.4 M4	39.8 M4

Cursor:
 Total = 41.4 V/m
 E Category: M4
 Location: -1, 25, 366.6 mm



0 dB = 41.4V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /1175
 Test Date June 5, 2011

DUT: ADR8995; 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: ER3DV6R - SN2242; ConvF(1, 1, 1); Calibrated: 2010-09-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

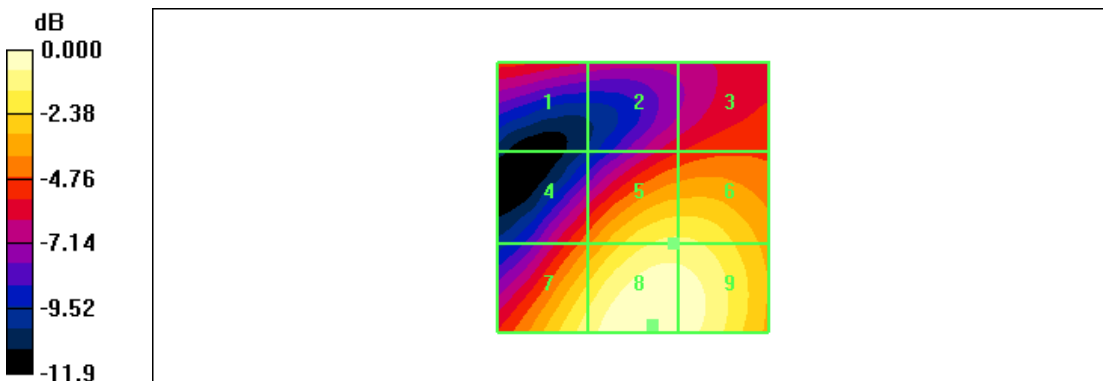
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 40.1 V/m
 Probe Modulation Factor = 0.980
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 26.8 V/m; Power Drift = -0.071 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
22.2 M4	21.1 M4	22.9 M4
Grid 4	Grid 5	Grid 6
24.8 M4	34.3 M4	34.3 M4
Grid 7	Grid 8	Grid 9
35.2 M4	40.1 M4	39.2 M4

Cursor:

Total = 40.1 V/m
 E Category: M4
 Location: -3.5, 23.5, 366.6 mm



0 dB = 40.1V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /1013
 Test Date June 5, 2011

DUT: APACHE; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

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

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

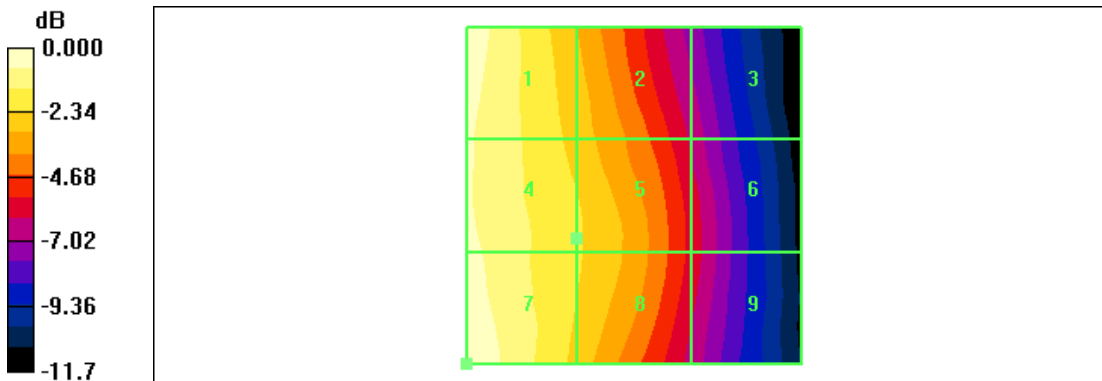
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.088 A/m
 Probe Modulation Factor = 0.862
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.081 A/m; Power Drift = 0.052 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.085 M4	0.065 M4	0.042 M4
Grid 4	Grid 5	Grid 6
0.082 M4	0.068 M4	0.046 M4
Grid 7	Grid 8	Grid 9
0.088 M4	0.068 M4	0.046 M4

Cursor:

Total = 0.088 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.088A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /384
 Test Date June 5, 2011

DUT: APACHE; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

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

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

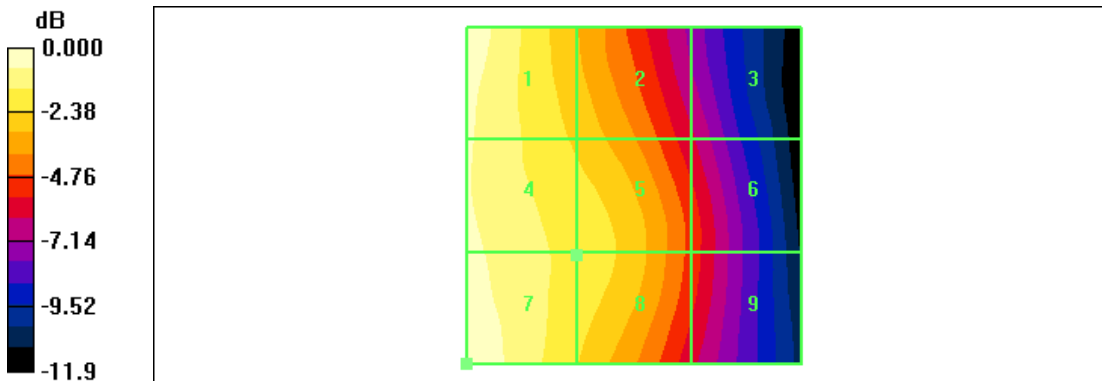
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.099 A/m
 Probe Modulation Factor = 0.862
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.099 A/m; Power Drift = 0.059 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.097 M4	0.074 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.093 M4	0.080 M4	0.056 M4
Grid 7	Grid 8	Grid 9
0.099 M4	0.080 M4	0.056 M4

Cursor:

Total = 0.099 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.099A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /777
 Test Date June 5, 2011

DUT: APACHE; 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: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

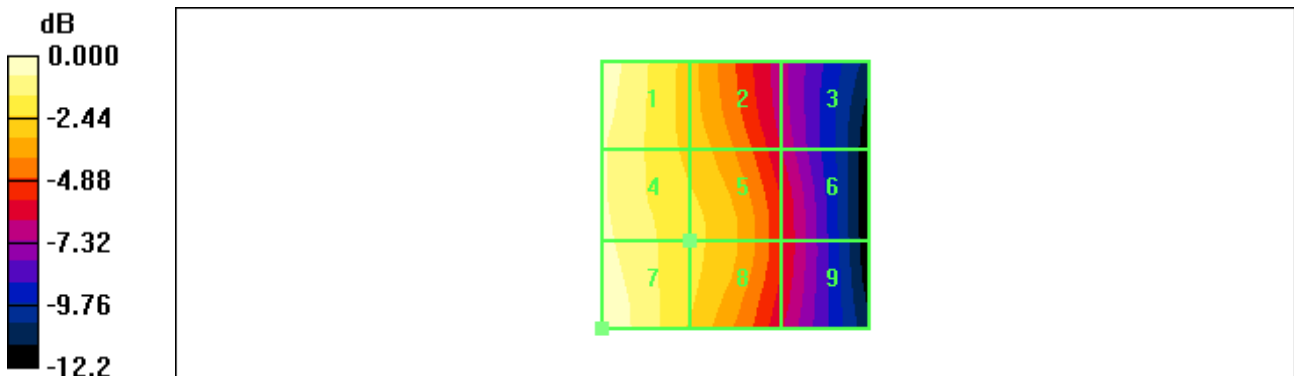
DASY4 Configuration:
 - Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.087 A/m
 Probe Modulation Factor = 0.862
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.084 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
0.085 M4	0.064 M4	0.041 M4
Grid 4	Grid 5	Grid 6
0.082 M4	0.068 M4	0.046 M4
Grid 7	Grid 8	Grid 9
0.087 M4	0.068 M4	0.046 M4

Cursor:
 Total = 0.087 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.087A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /25
 Test Date June 5, 2011

DUT: APACHE; 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

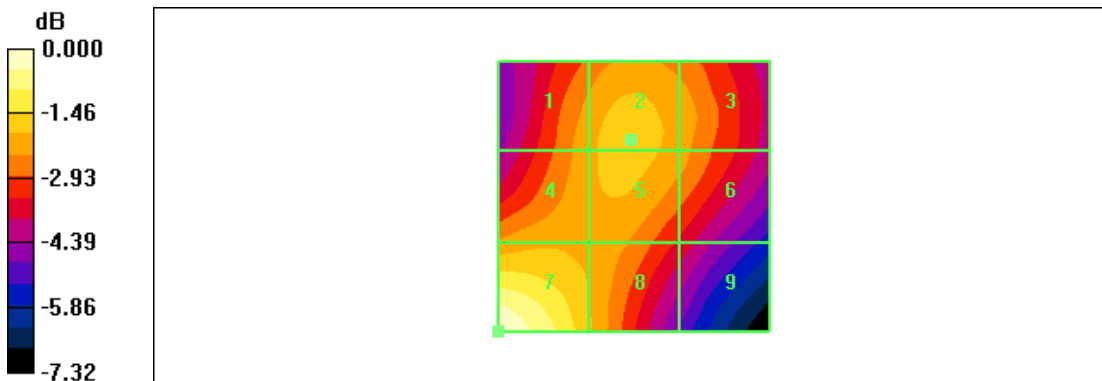
DASY4 Configuration:
 - Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.078 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.091 A/m; Power Drift = -0.052 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.061 M4	Grid 2 0.064 M4	Grid 3 0.061 M4
Grid 4 0.062 M4	Grid 5 0.064 M4	Grid 6 0.060 M4
Grid 7 0.078 M4	Grid 8 0.063 M4	Grid 9 0.052 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 21.5 °C /600
 Test Date June 5, 2011

DUT: APACHE; 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: DASYS4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

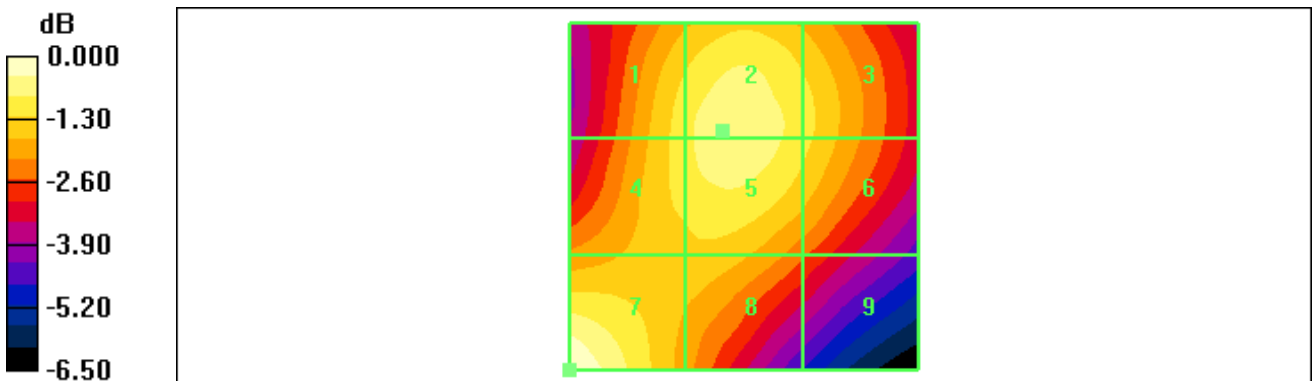
DASY4 Configuration:
 - Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.076 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.101 A/m; Power Drift = -0.013 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.068 M4	Grid 2 0.071 M4	Grid 3 0.067 M4
Grid 4 0.068 M4	Grid 5 0.071 M4	Grid 6 0.067 M4
Grid 7 0.076 M4	Grid 8 0.065 M4	Grid 9 0.057 M4

Cursor:
 Total = 0.076 A/m
 H Category: M4
 Location: 25, 25, 370.9 mm



Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /1175
 Test Date June 5, 2011

DUT: APACHE; 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

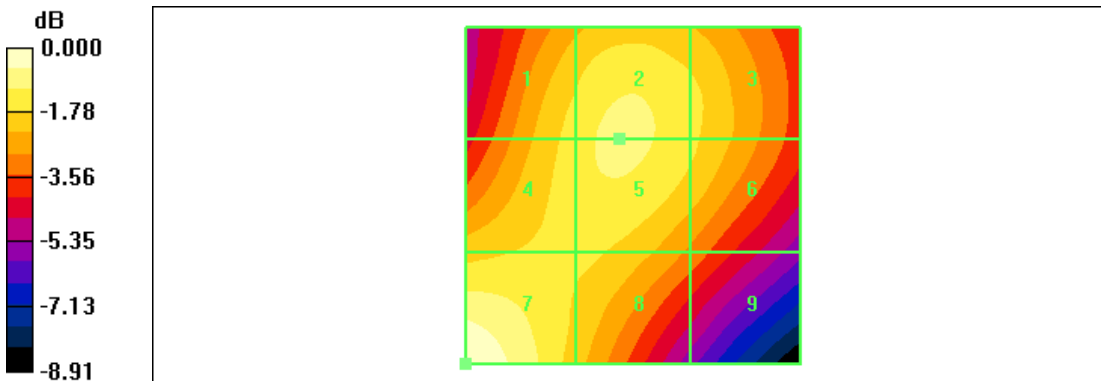
DASY4 Configuration:
 - Probe: H3DV6 - SN6051; ; Calibrated: 2010-09-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2010-09-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.082 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.105 A/m; Power Drift = -0.030 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.069 M4	Grid 2 0.073 M4	Grid 3 0.068 M4
Grid 4 0.069 M4	Grid 5 0.073 M4	Grid 6 0.068 M4
Grid 7 0.082 M4	Grid 8 0.068 M4	Grid 9 0.057 M4

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



0 dB = 0.082A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /384
 Test Date Aug. 22, 2011

DUT: APACHE; 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: 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):

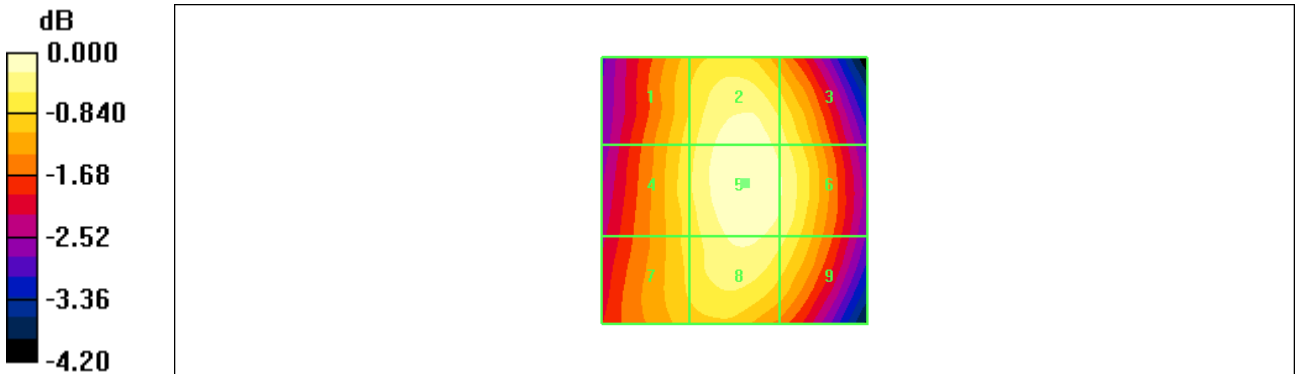
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 32.7 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 44.7 V/m; Power Drift = -0.091 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
30.2 M4	32.4 M4	31.2 M4
Grid 4	Grid 5	Grid 6
30.5 M4	32.7 M4	31.8 M4
Grid 7	Grid 8	Grid 9
30.1 M4	31.9 M4	31.0 M4

Cursor:

Total = 32.7 V/m
 E Category: M4
 Location: -2, -1.5, 370.9 mm



0 dB = 32.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /600
 Test Date Aug. 22,2011

DUT: APACHE; 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: 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):

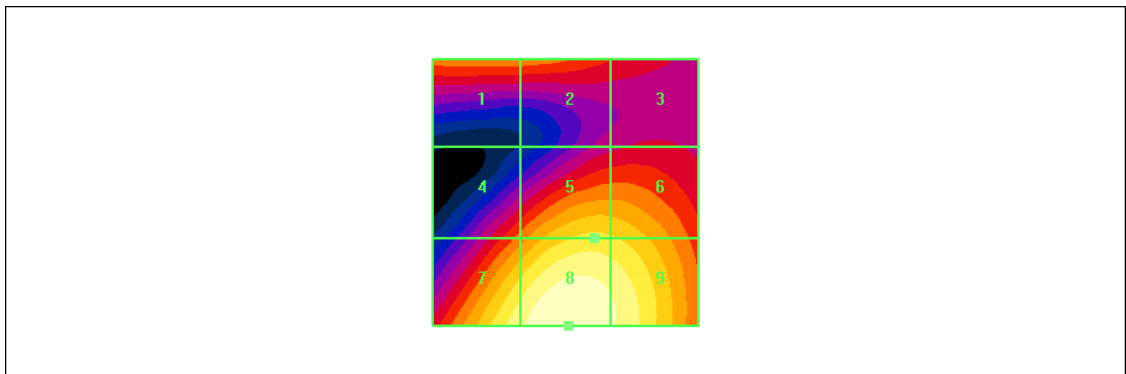
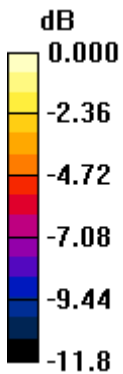
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 37.7 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 22.8 V/m; Power Drift = 0.090 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
23.6 M4	23.4 M4	20.1 M4
Grid 4	Grid 5	Grid 6
22.9 M4	29.6 M4	29.1 M4
Grid 7	Grid 8	Grid 9
33.8 M4	37.7 M4	35.1 M4

Cursor:

Total = 37.7 V/m
 E Category: M4
 Location: -0.5, 25, 366.6 mm



0 dB = 37.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /384
 Test Date Aug. 22,2011

DUT: APACHE; 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: 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):

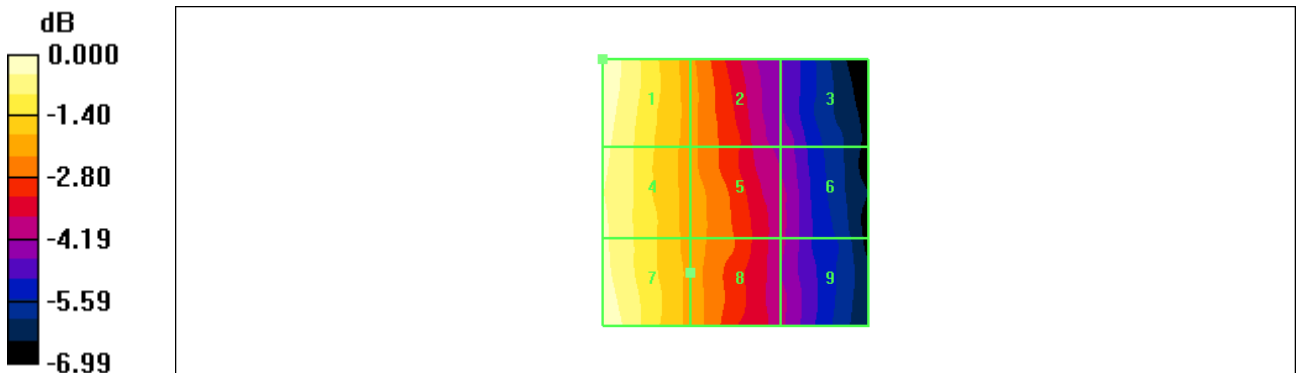
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.068 A/m
 Probe Modulation Factor = 0.865
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.062 A/m; Power Drift = -0.109 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.068 M4	0.054 M4	0.042 M4
Grid 4	Grid 5	Grid 6
0.066 M4	0.054 M4	0.043 M4
Grid 7	Grid 8	Grid 9
0.067 M4	0.054 M4	0.043 M4

Cursor:

Total = 0.068 A/m
 H Category: M4
 Location: 25, -25, 370.9 mm



0 dB = 0.068A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.3 °C /1175
 Test Date Aug. 22,2011

DUT: APACHE; 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

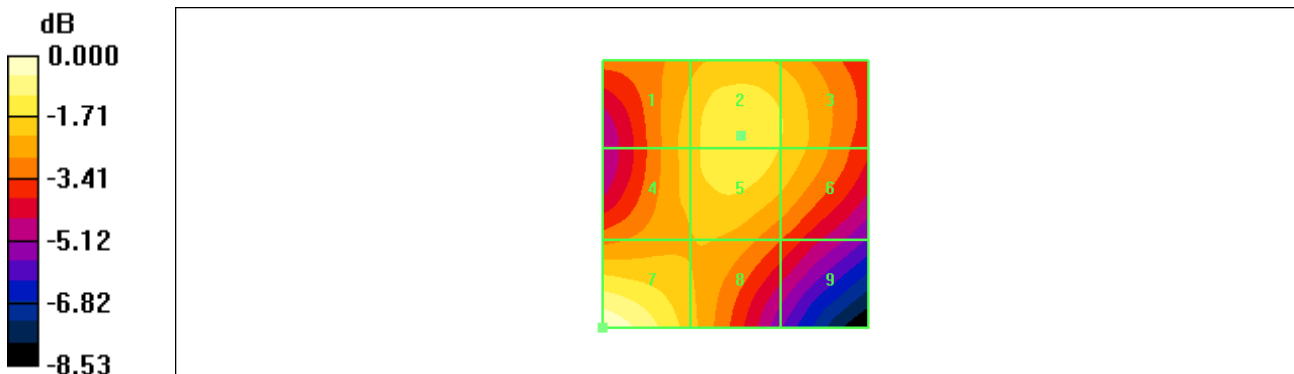
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2011-03-01
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.077 A/m
 Probe Modulation Factor = 0.773
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 0.095 A/m; Power Drift = -0.070 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.062 M4	0.066 M4	0.064 M4
Grid 4	Grid 5	Grid 6
0.062 M4	0.066 M4	0.063 M4
Grid 7	Grid 8	Grid 9
0.077 M4	0.061 M4	0.052 M4

Cursor:
 Total = 0.077 A/m
 H Category: M4
 Location: 25, 25, 370.9 mm



0 dB = 0.077A/m