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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Standard Battery, Backlight ON Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029; Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005; Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.128 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.118 A/m; Power Drift = -0.104 dB

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

Peak H-field in A/m

Grid 1 0.145	Grid 2 0.128	Grid 3 0.088
Grid 4 0.142	Grid 5 0.128	Grid 6 0.090
Grid 7 0.135	Grid 8 0.118	Grid 9 0.080

CDMA-1900 ch25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 52.1 V/m

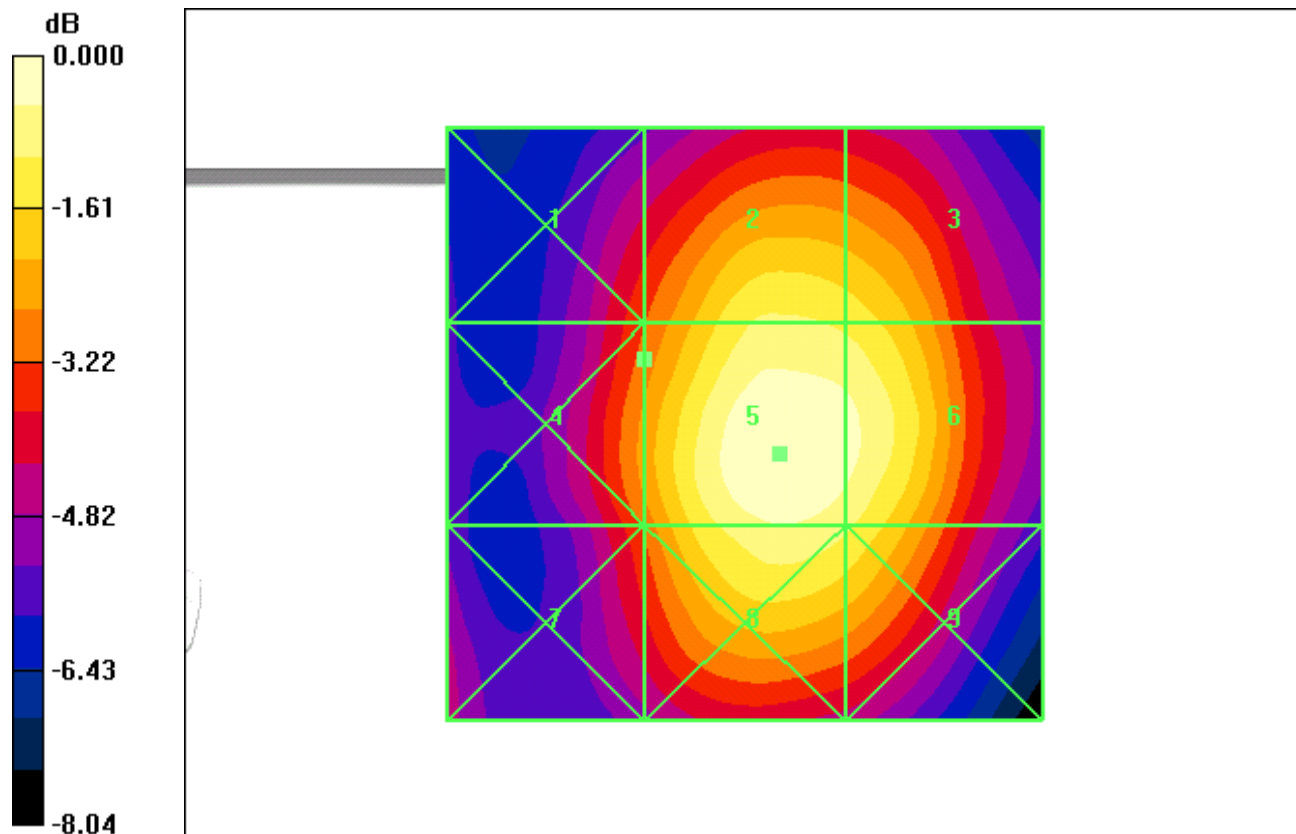
Probe Modulation Factor = 1.00

Reference Value = 52.7 V/m; Power Drift = -0.071 dB

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

Peak E-field in V/m

Grid 1 35.9	Grid 2 46.6	Grid 3 45.4
Grid 4 39.2	Grid 5 52.1	Grid 6 50.1
Grid 7 36.6	Grid 8 48.9	Grid 9 46.7



0 dB = 52.1A/m

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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Standard Battery, Backlight ON Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005 Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.138 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.129 A/m; Power Drift = -0.090 dB

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

Peak H-field in A/m

Grid 1 0.151	Grid 2 0.138	Grid 3 0.095
Grid 4 0.150	Grid 5 0.138	Grid 6 0.099
Grid 7 0.148	Grid 8 0.135	Grid 9 0.092

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 53.4 V/m

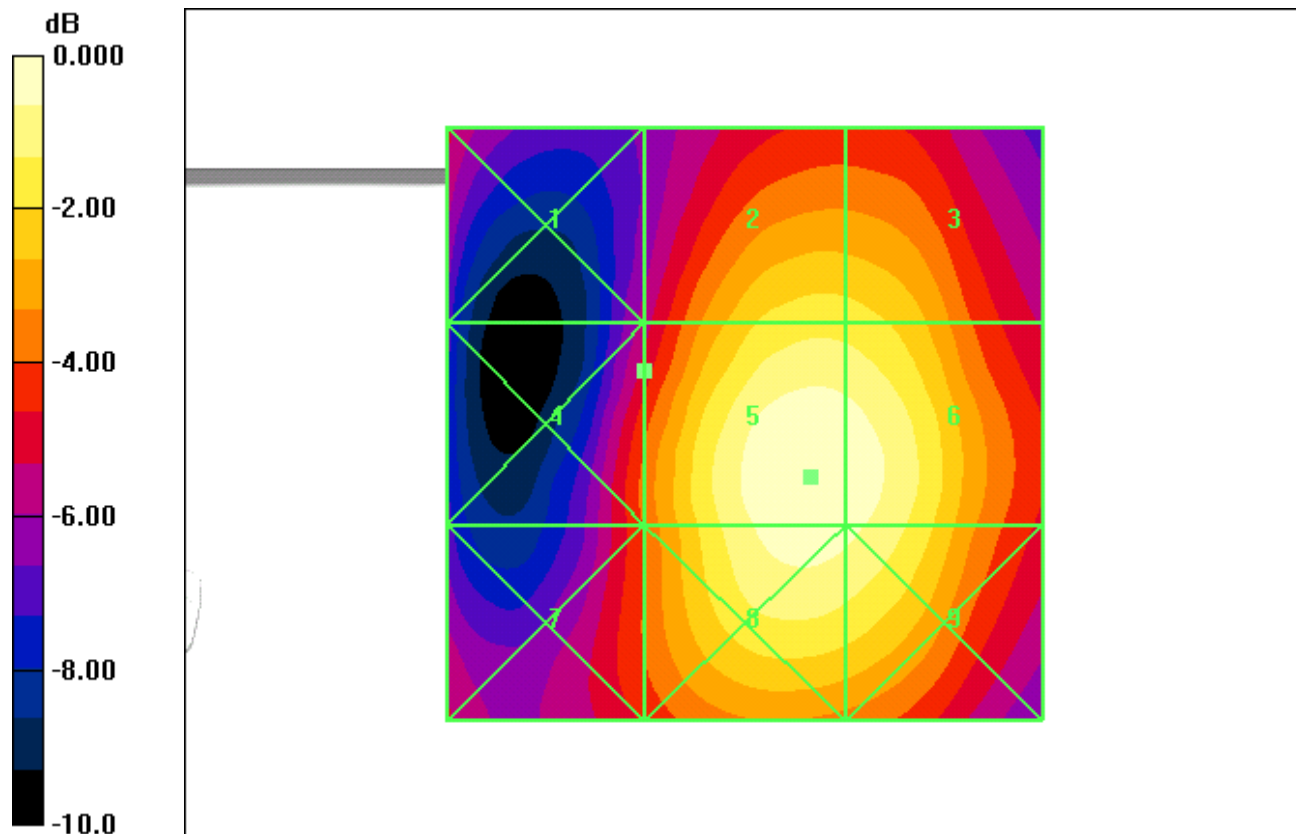
Probe Modulation Factor = 1.00

Reference Value = 52.0 V/m; Power Drift = 0.051 dB

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

Peak E-field in V/m

Grid 1 29.7	Grid 2 44.7	Grid 3 44.3
Grid 4 34.7	Grid 5 53.4	Grid 6 52.3
Grid 7 34.0	Grid 8 51.7	Grid 9 50.7



0 dB = 53.4A/m

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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Standard Battery, Backlight ON Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029; Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005; Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.121 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.108 A/m; Power Drift = -0.002 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.134	0.122	0.082
Grid 4	Grid 5	Grid 6
0.131	0.121	0.084
Grid 7	Grid 8	Grid 9
0.119	0.110	0.077

CDMA-1900 ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 44.4 V/m

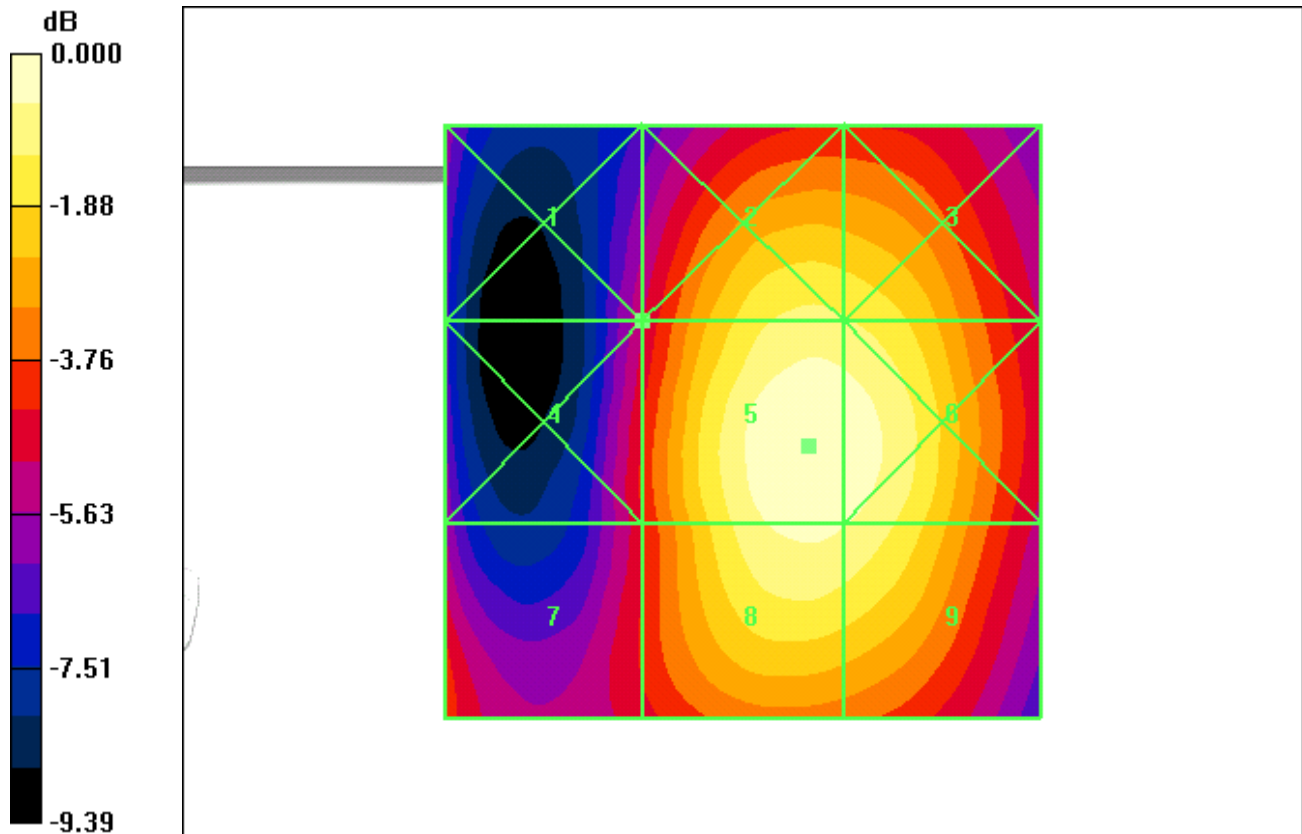
Probe Modulation Factor = 1.00

Reference Value = 43.2 V/m; Power Drift = -0.084 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
24.7	39.4	38.8
Grid 4	Grid 5	Grid 6
27.3	44.4	43.6
Grid 7	Grid 8	Grid 9
28.4	42.3	41.5



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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Extended Battery, Backlight ON Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005 Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.131 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.118 A/m; Power Drift = -0.042 dB

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

Peak H-field in A/m

Grid 1 0.145	Grid 2 0.130	Grid 3 0.092
Grid 4 0.145	Grid 5 0.131	Grid 6 0.095
Grid 7 0.143	Grid 8 0.130	Grid 9 0.088

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 46.1 V/m

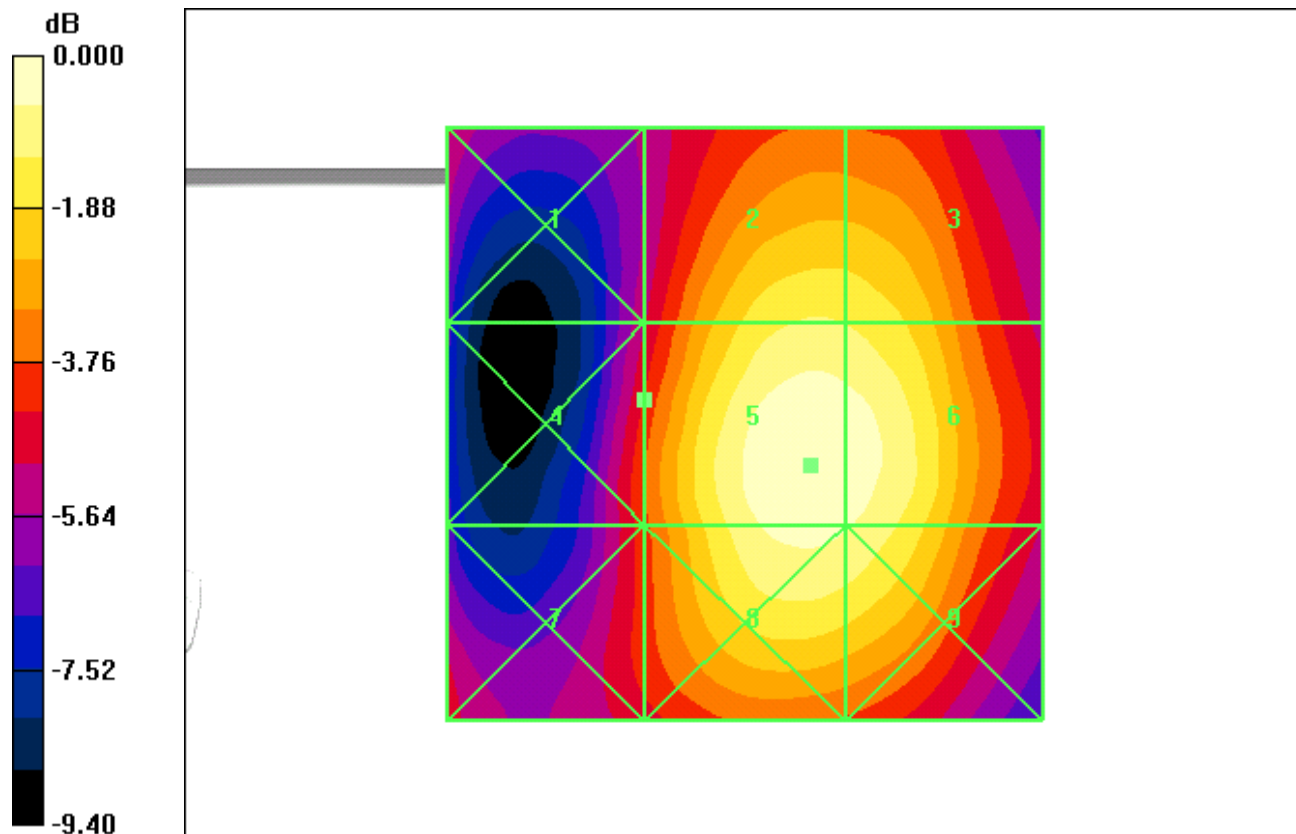
Probe Modulation Factor = 1.00

Reference Value = 45.8 V/m; Power Drift = 0.000 dB

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

Peak E-field in V/m

Grid 1 26.4	Grid 2 40.3	Grid 3 39.8
Grid 4 29.9	Grid 5 46.1	Grid 6 45.1
Grid 7 29.1	Grid 8 44.1	Grid 9 43.2



0 dB = 46.1A/m

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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 Worst Case 360° with Standard Battery, Backlight ON Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005 Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch600 worst case 360/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.138 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.129 A/m; Power Drift = -0.051 dB

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

Peak H-field in A/m

Grid 1 0.149	Grid 2 0.137	Grid 3 0.097
Grid 4 0.146	Grid 5 0.138	Grid 6 0.102
Grid 7 0.143	Grid 8 0.137	Grid 9 0.096

CDMA-1900 ch600 worst case 360/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 52.6 V/m

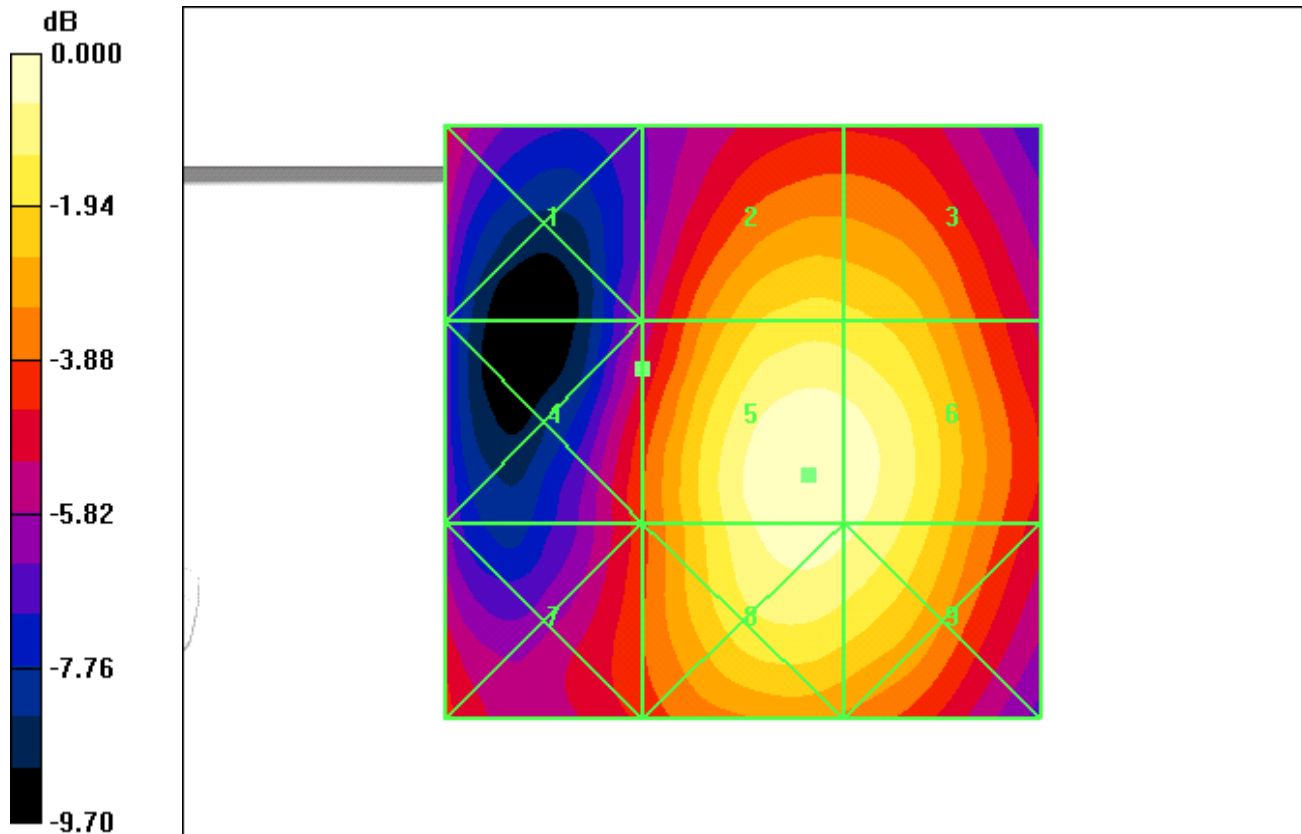
Probe Modulation Factor = 1.00

Reference Value = 51.3 V/m; Power Drift = -0.059 dB

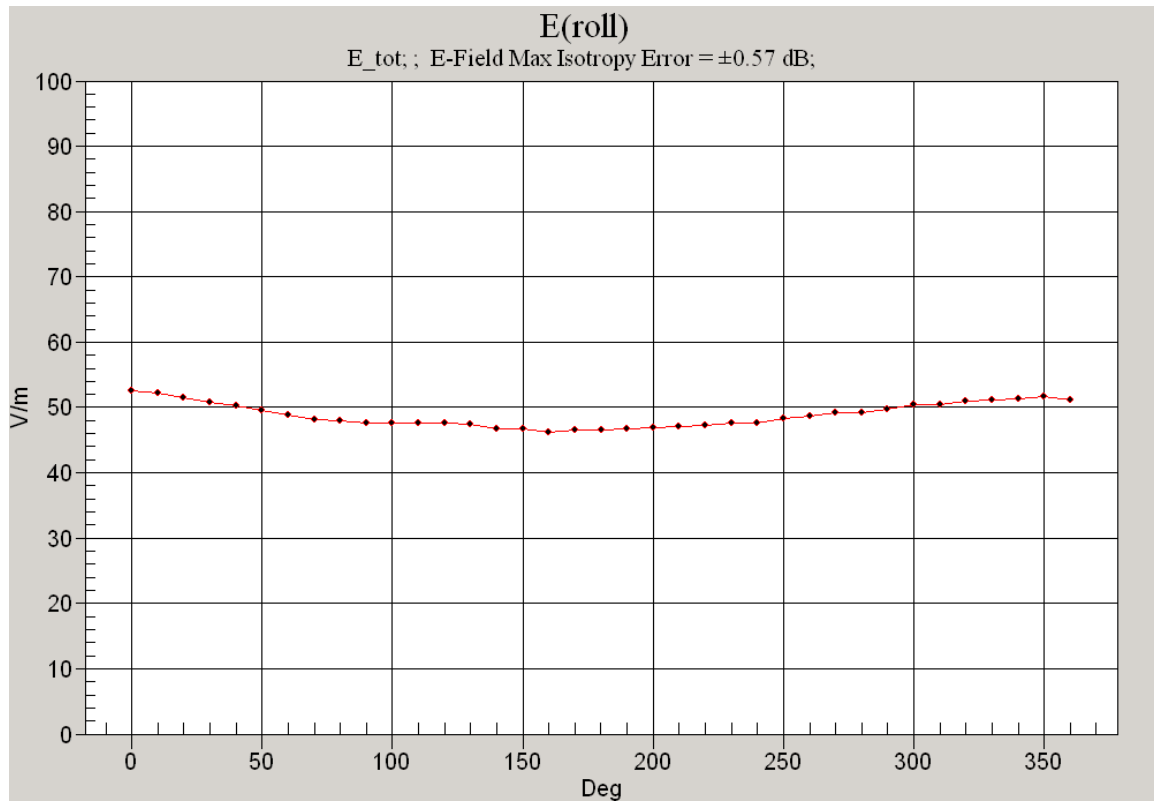
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 30.0	Grid 2 43.8	Grid 3 43.4
Grid 4 33.5	Grid 5 52.6	Grid 6 51.3
Grid 7 33.6	Grid 8 51.1	Grid 9 50.0



Graph of worst case Configuration Peak Reading 360° Probe Rotation at Azimuth axis



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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Standard Battery, Backlight OFF Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005 Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.145 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.128 A/m; Power Drift = 0.104 dB

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

Peak H-field in A/m

Grid 1 0.154	Grid 2 0.143	Grid 3 0.099
Grid 4 0.153	Grid 5 0.145	Grid 6 0.105
Grid 7 0.151	Grid 8 0.142	Grid 9 0.099

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 52.0 V/m

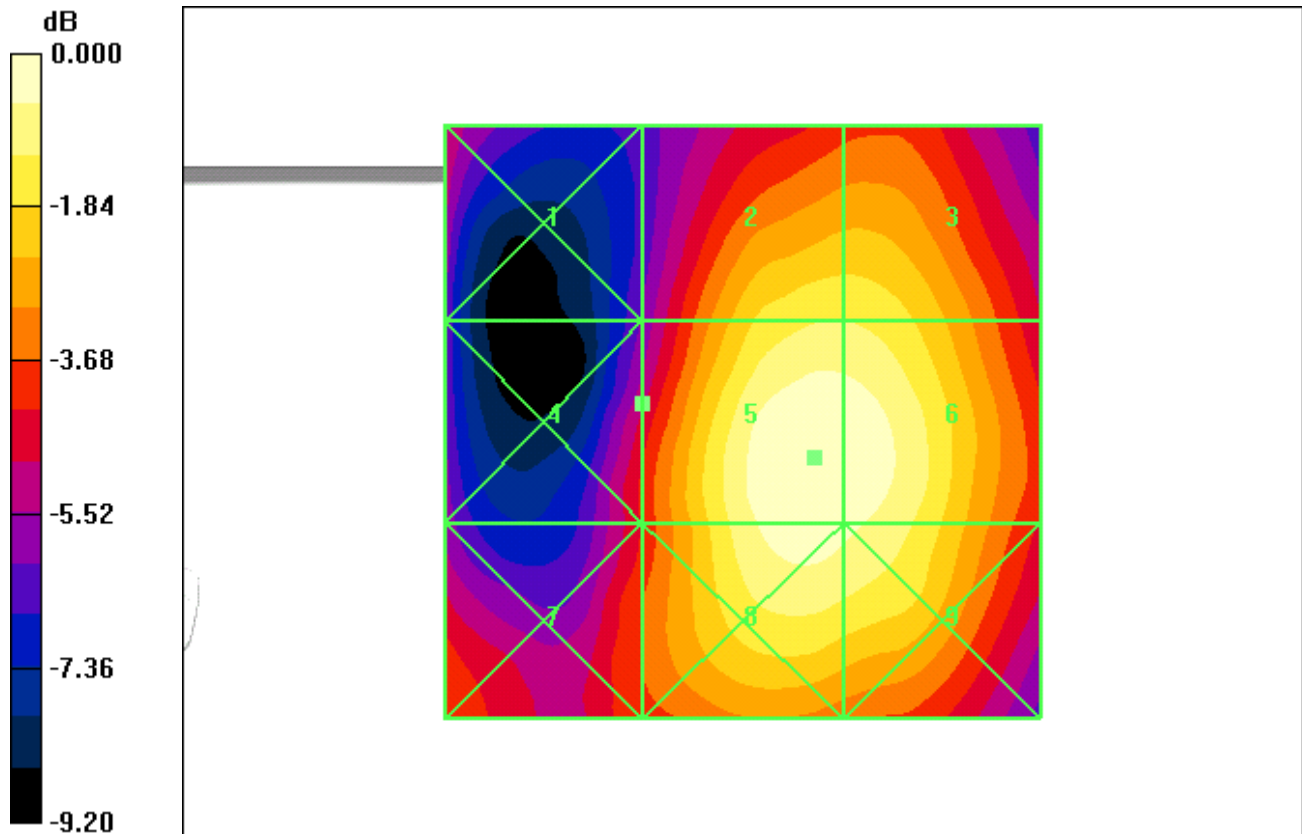
Probe Modulation Factor = 1.00

Reference Value = 49.7 V/m; Power Drift = 0.105 dB

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

Peak E-field in V/m

Grid 1 29.6	Grid 2 45.2	Grid 3 45.2
Grid 4 32.4	Grid 5 52.0	Grid 6 51.4
Grid 7 34.2	Grid 8 50.6	Grid 9 49.5



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Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, KX9D_ACE #7458 CDMA-1900 with Extended Battery, Backlight OFF Open, 05-11-06

Communication System: CDMA-1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: H Device Section Phantom section: E Device Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV5 - SN6029 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 6/13/2005 Calibrated: 10/21/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.133 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.115 A/m; Power Drift = -0.013 dB

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

Peak H-field in A/m

Grid 1 0.144	Grid 2 0.133	Grid 3 0.091
Grid 4 0.143	Grid 5 0.133	Grid 6 0.095
Grid 7 0.141	Grid 8 0.131	Grid 9 0.090

CDMA-1900 ch600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.7 V/m

Probe Modulation Factor = 1.00

Reference Value = 50.9 V/m; Power Drift = 0.034 dB

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

Peak E-field in V/m

Grid 1 27.5	Grid 2 42.5	Grid 3 41.8
Grid 4 33.0	Grid 5 49.7	Grid 6 48.4
Grid 7 32.1	Grid 8 47.8	Grid 9 46.6

