

Appendix C: Test Results/Plots

(See attachment)

Test Laboratory: Kyocera Wireless Corp.

File Name: [H-FIELD_H_Device_Graphite BT #X32T CDMA-800 Ch1013 with Backlight On & Phone Open_09-14-05.da4](#)

DUT: KX5-5X0

Program Name: HAC H-FIELD

Communication System: CDMA-800; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/13/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn675; Calibrated: 4/12/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-800 ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.152 A/m

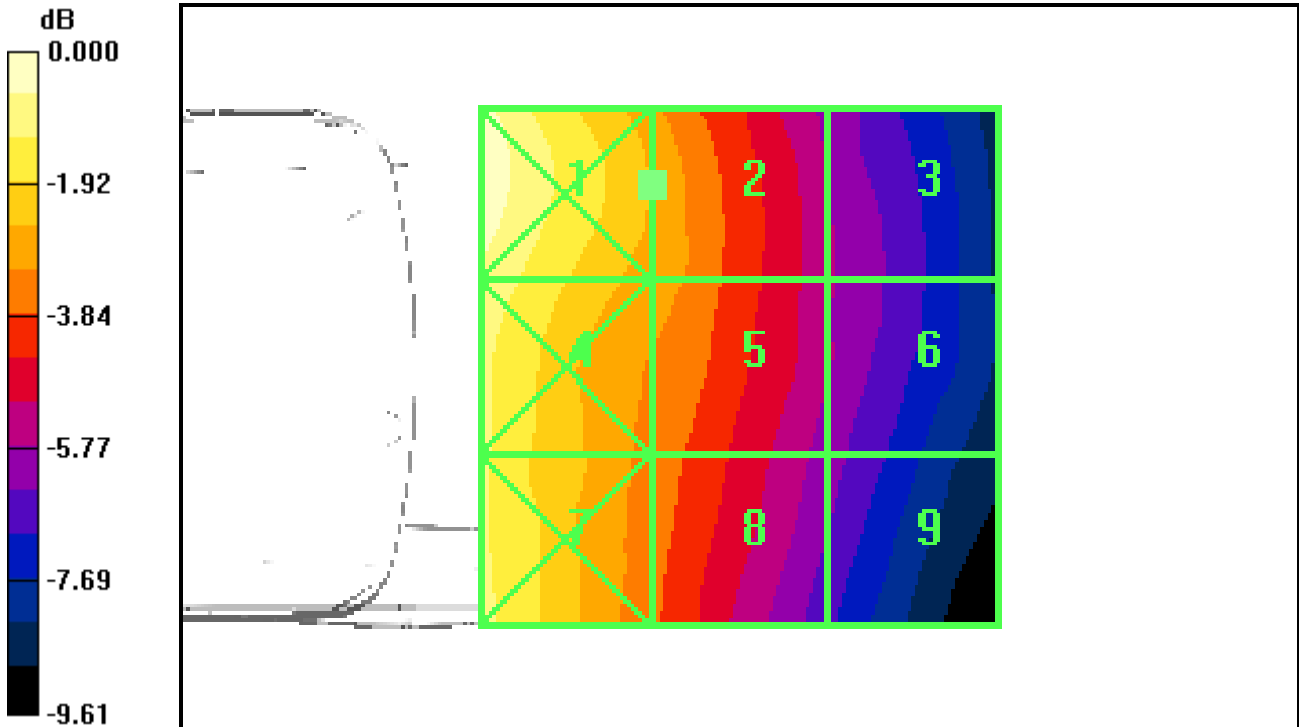
Probe Modulation Factor = 1.00

Reference Value = 0.136 A/m; Power Drift = -0.718 dB

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

Peak H-field in A/m

Grid 1 0.205	Grid 2 0.152	Grid 3 0.107
Grid 4 0.188	Grid 5 0.147	Grid 6 0.107
Grid 7 0.181	Grid 8 0.138	Grid 9 0.102



0 dB = 0.205A/m

Test Laboratory: Kyocera Wireless Corp

File Name: [E-FIELD_E_Device_Graphite BT #X32T CDMA-800 CH1013 with Backlight On & Phone Open_09-15-05.da4](#)

DUT: KX5-5X0

Program Name: HAC E-FIELD

Communication System: CDMA-800; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/22/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn675; Calibrated: 4/12/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-800 ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 98.1 V/m

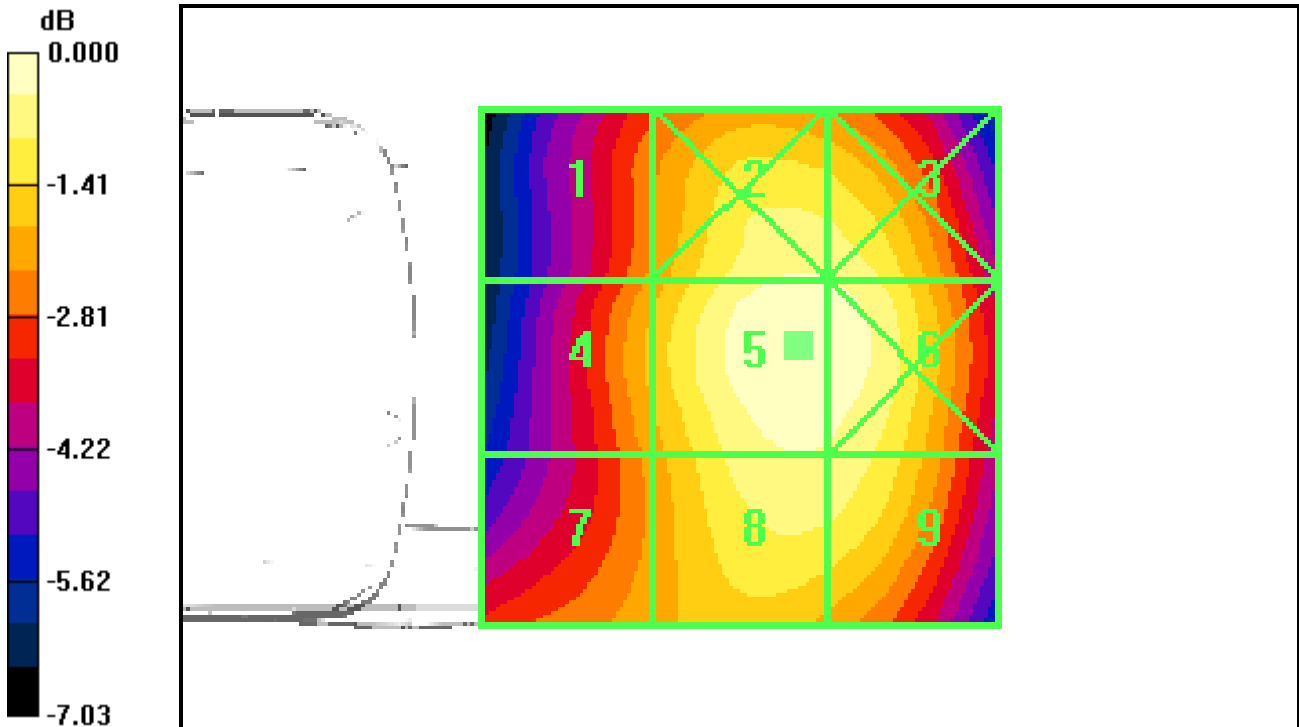
Probe Modulation Factor = 1.00

Reference Value = 101.2 V/m; Power Drift = 0.014 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

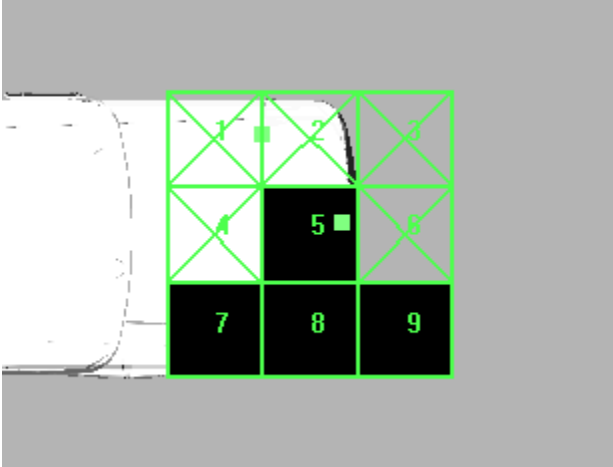
Peak E-field in V/m

Grid 1	Grid 2	Grid 3
76.2	93.6	93.1
Grid 4	Grid 5	Grid 6
80.6	98.1	97.1
Grid 7	Grid 8	Grid 9
77.8	92.8	92.2



0 dB = 98.1V/m

Crossed grids are excluded to determine RF emission rating for CDMA-800 ch1013, backlight on and phone open.



Test Laboratory: Kyocera Wireless Corp.

File Name: [H-FIELD_H_Device_Graphite BT #X32T CDMA-1900 Ch25 with Backlight On & Phone Open_09-14-05.da4](#)

DUT: KX5-5X0

Program Name: HAC H-FIELD

Communication System: CDMA-1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/13/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn675; Calibrated: 4/12/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

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

Maximum value of peak Total field = 0.139 A/m

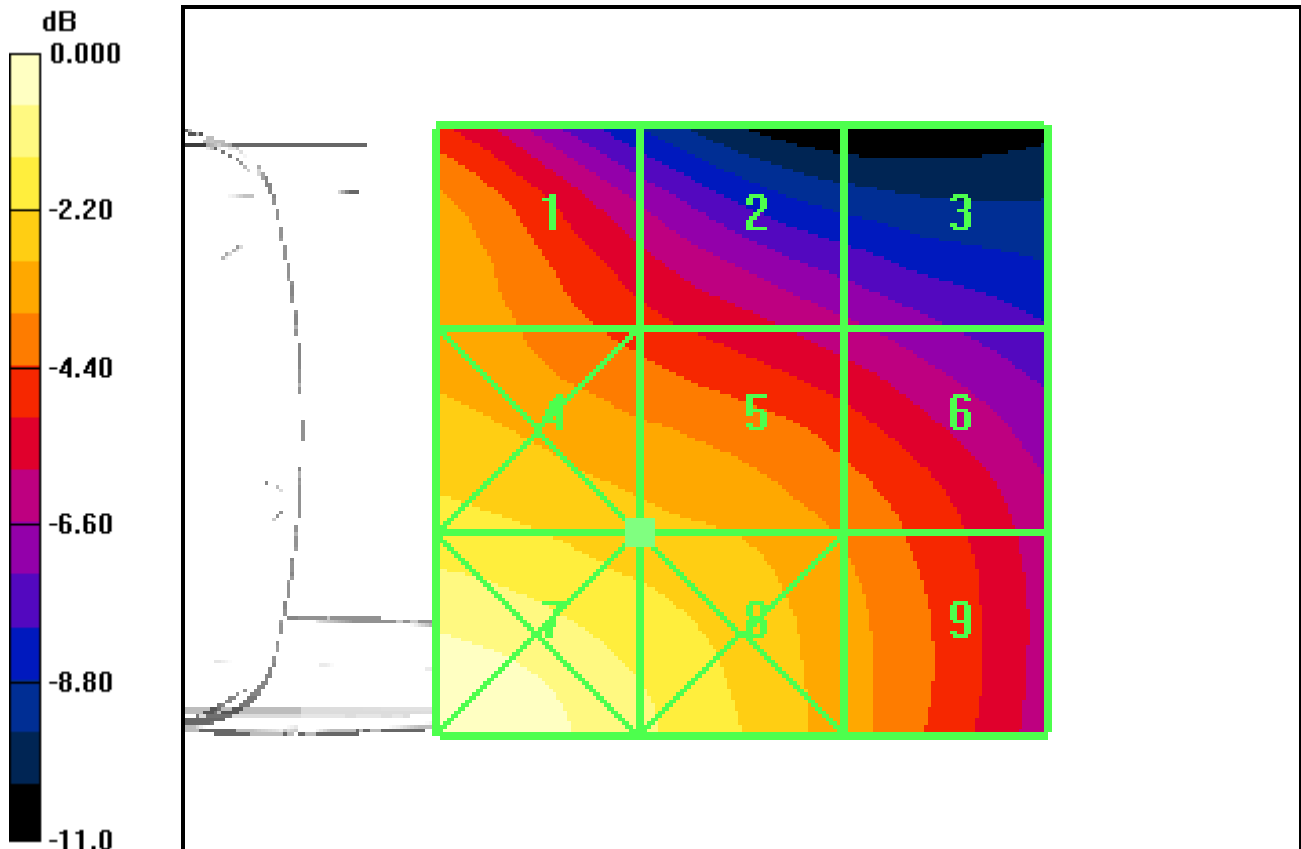
Probe Modulation Factor = 1.00

Reference Value = 0.117 A/m; Power Drift = 0.370 dB

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

Peak H-field in A/m

Grid 1 0.131	Grid 2 0.109	Grid 3 0.090
Grid 4 0.152	Grid 5 0.139	Grid 6 0.122
Grid 7 0.188	Grid 8 0.162	Grid 9 0.128



0 dB = 0.188A/m

Test Laboratory: Kyocera Wireless Corp.

File Name: [E-FIELD_E_Device_Graphite BT #X32T CDMA-1900 CH25 with Backlight On & Phone Open_09-15-05.da4](#)

DUT: KX5-5X0

Program Name: HAC E-FIELD

Communication System: CDMA-1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/22/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn675; Calibrated: 4/12/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

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

Maximum value of peak Total field = 60.4 V/m

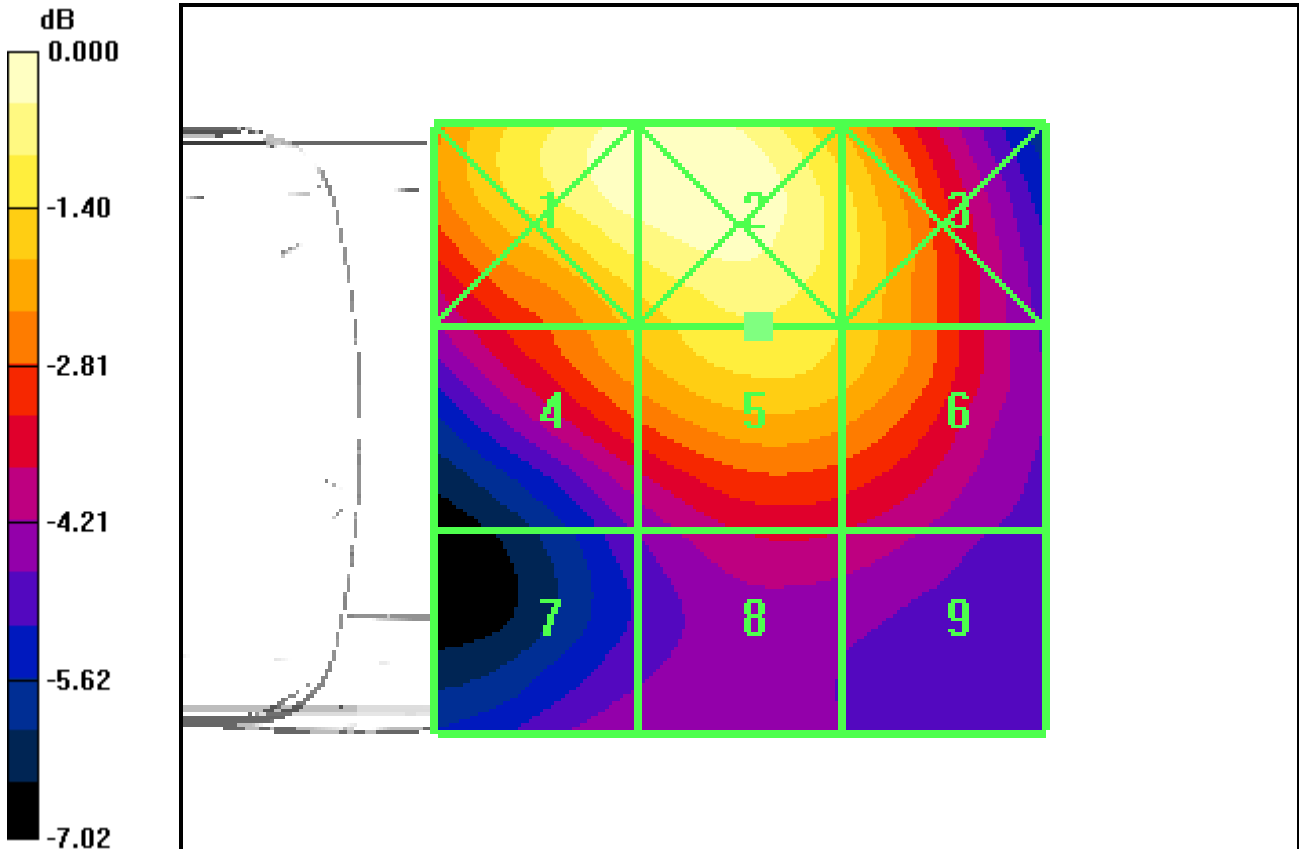
Probe Modulation Factor = 1.00

Reference Value = 55.8 V/m; Power Drift = -0.029 dB

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

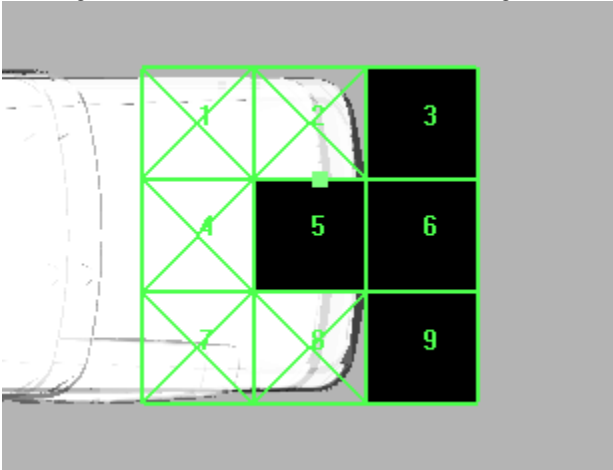
Peak E-field in V/m

Grid 1	Grid 2	Grid 3
66.8	67.7	59.2
Grid 4	Grid 5	Grid 6
55.5	60.4	57.4
Grid 7	Grid 8	Grid 9
41.4	44.6	44.0



0 dB = 67.7V/m

Crossed grids are excluded to determine RF emission rating for CDMA-1900 ch25, backlight on and phone open.



Test Laboratory: Kyocera Wireless Corp.

File Name: [H-FIELD_H_Device_Graphite BT #X32T CDMA-800 Ch1013 with Backlight On & Phone Closed_09-14-05.da4](#)

DUT: KX5-5X0

Program Name: HAC H-FIELD

Communication System: CDMA-800; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/13/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn675; Calibrated: 4/12/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-800 ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.256 A/m

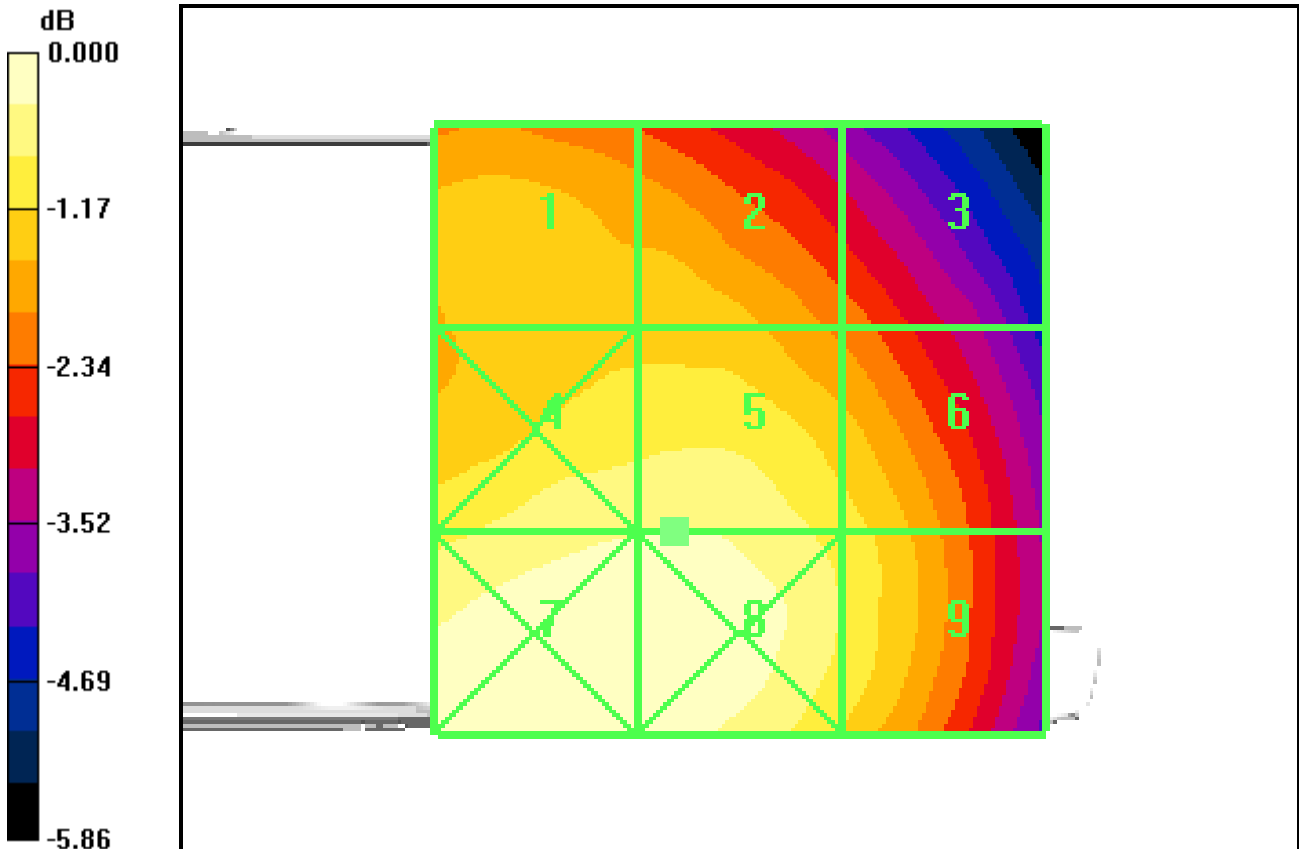
Probe Modulation Factor = 1.00

Reference Value = 0.248 A/m; Power Drift = 0.000 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.231	0.231	0.211
Grid 4	Grid 5	Grid 6
0.255	0.256	0.239
Grid 7	Grid 8	Grid 9
0.266	0.267	0.243



0 dB = 0.267A/m

Test Laboratory: Kyocera Wireless Corp.
 File Name: [E-FIELD_E_Device_Graphite BT #X32T CDMA-800 Ch1013 with Backlight On & Phone Closed_09-15-05.da4](#)

DUT: KX5-5X0
Program Name: HAC E-FIELD

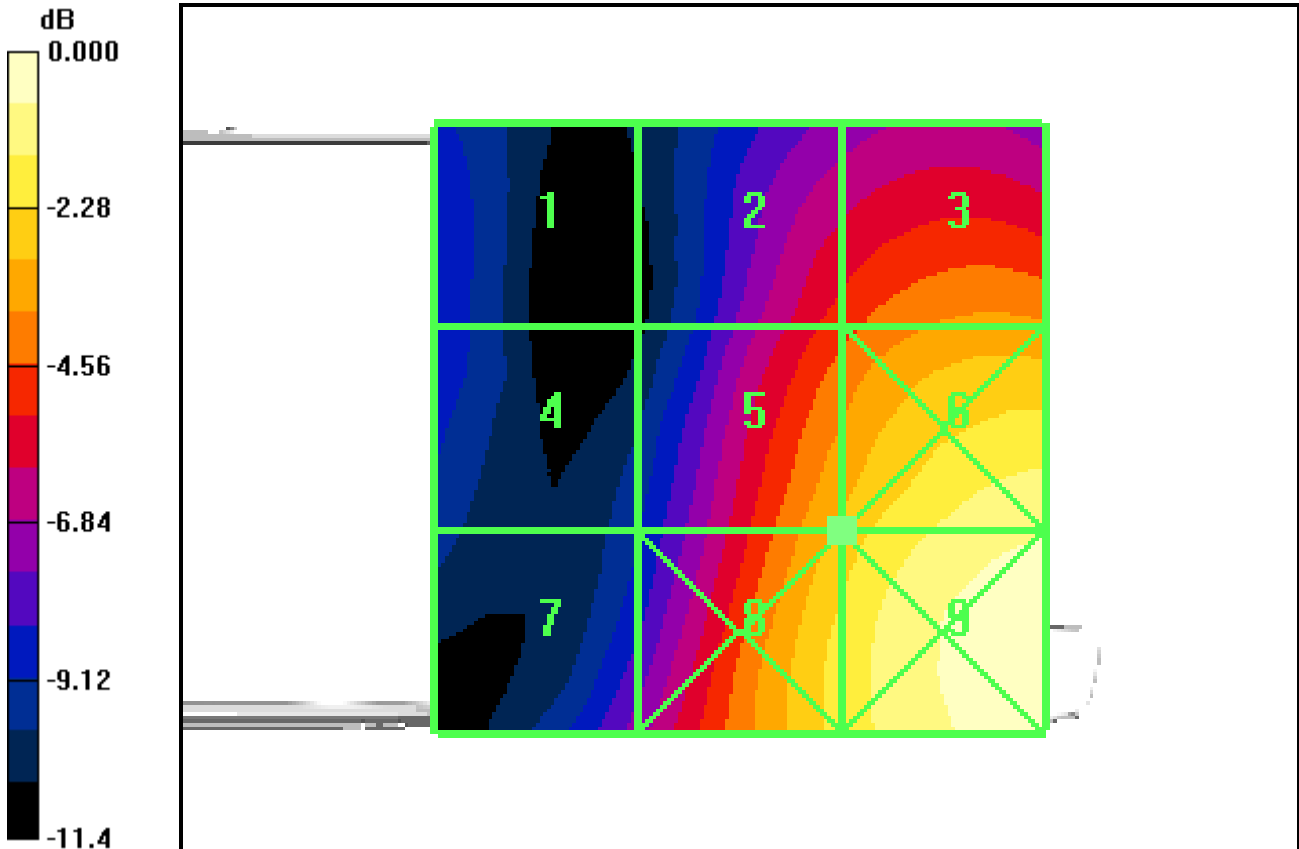
Communication System: CDMA-800; Frequency: 824.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:
 - Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/22/2005
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn675; Calibrated: 4/12/2005
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;
 - Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-800 ch1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 73.7 V/m
 Probe Modulation Factor = 1.00
 Reference Value = 50.9 V/m; Power Drift = 0.084 dB
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

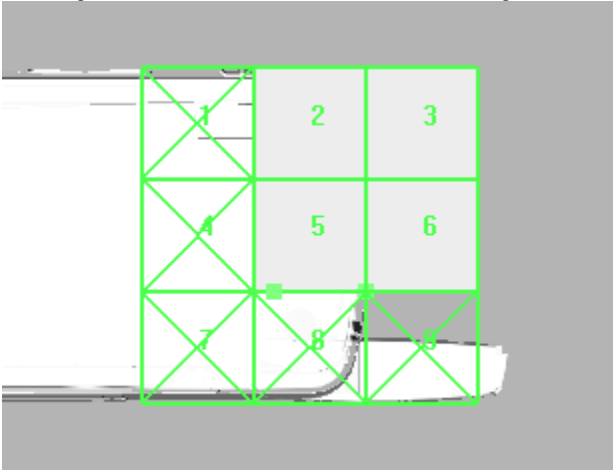
Peak E-field in V/m

Grid 1	Grid 2	Grid 3
38.9	58.0	67.2
Grid 4	Grid 5	Grid 6
38.3	73.7	92.4
Grid 7	Grid 8	Grid 9
44.4	81.3	101.4



0 dB = 101.4V/m

Crossed grids are excluded to determine RF emission rating for CDMA-800 ch1013, backlight on and phone closed.



Test Laboratory: Kyocera Wireless Corp.
 File Name: [H-FIELD_H_Device_Graphite BT #X32T CDMA-1900 CH1175 with Backlight On & Phone Closed_09-14-05.da4](#)

DUT: KX5-5X0
Program Name: HAC H-FIELD

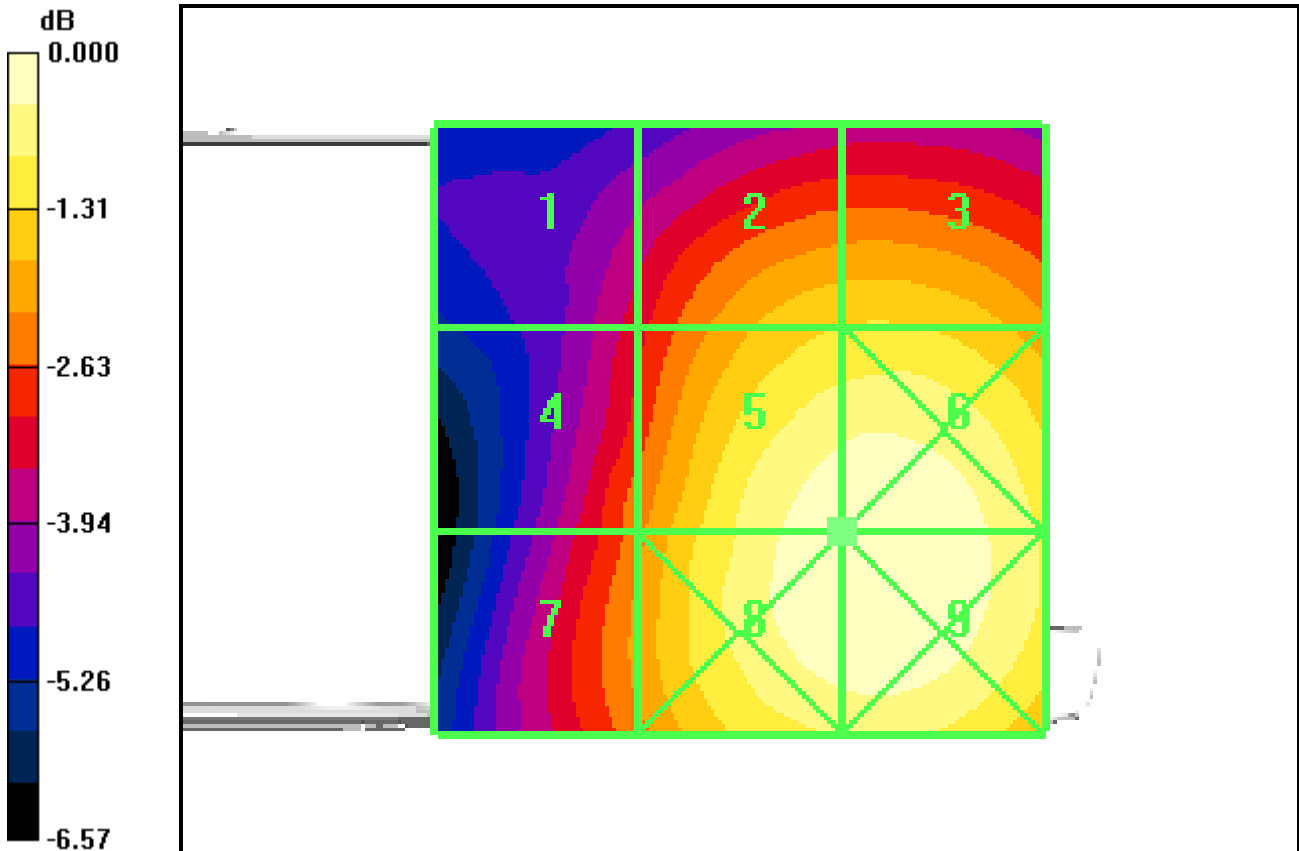
Communication System: CDMA-1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:
 - Probe: H3DV5 - SN6029; ; Calibrated: 6/13/2005
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn675; Calibrated: 4/12/2005
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;
 - Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-1900 ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.223 A/m
 Probe Modulation Factor = 1.00
 Reference Value = 0.203 A/m; Power Drift = -0.126 dB
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.155	0.193	0.194
Grid 4	Grid 5	Grid 6
0.172	0.223	0.225
Grid 7	Grid 8	Grid 9
0.178	0.224	0.225



0 dB = 0.225A/m

Test Laboratory: Kyocera Wireless Corp.
 File Name: [E-FIELD_E_Device_Graphite BT #X32T CDMA-1900 CH1175 with Backlight On & Phone Closed_09-15-05.da4](#)

DUT: KX5-5X0
Program Name: HAC E-FIELD

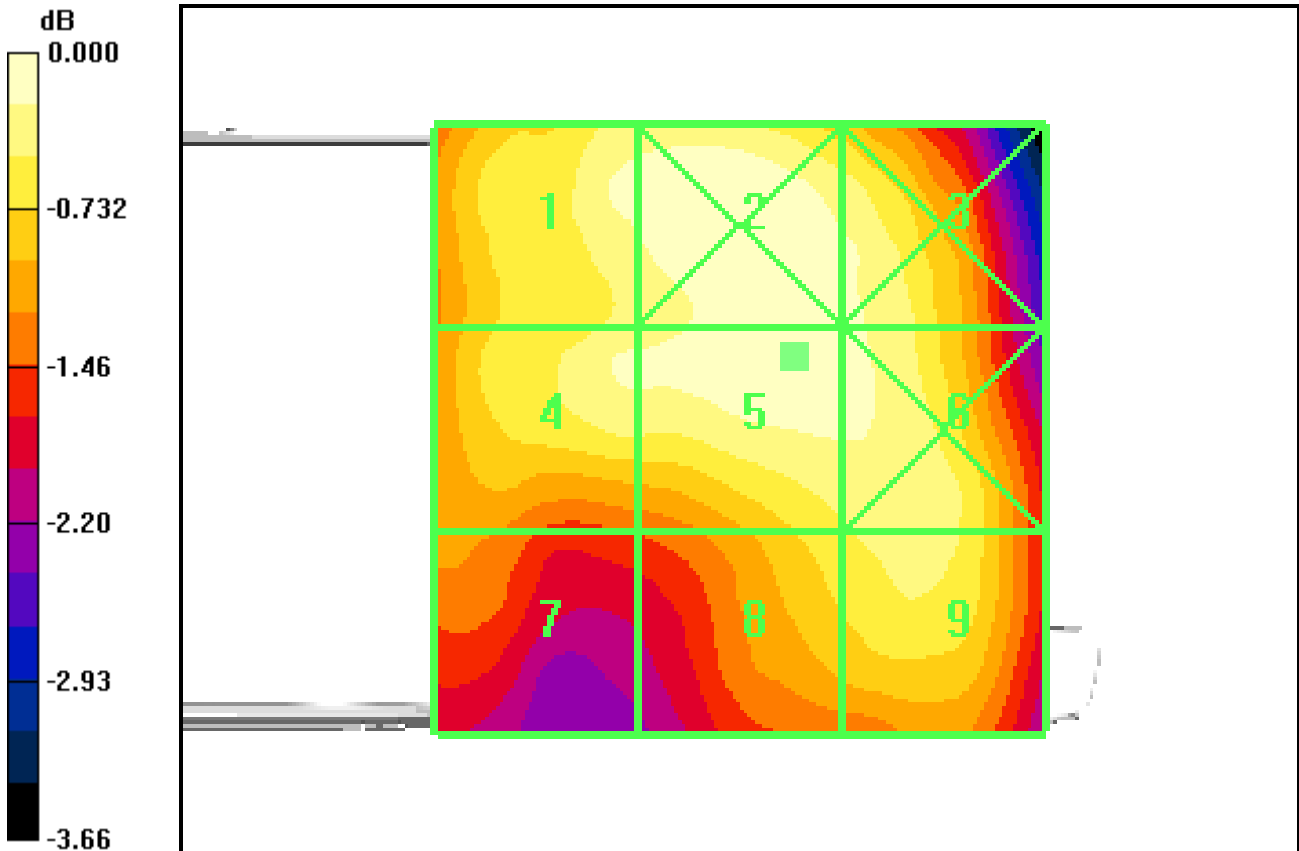
Communication System: CDMA-1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY4 Configuration:
 - Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/22/2005
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn675; Calibrated: 4/12/2005
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;
 - Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

CDMA-1900 ch1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 65.8 V/m
 Probe Modulation Factor = 1.00
 Reference Value = 67.2 V/m; Power Drift = -0.027 dB
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
64.9	66.1	64.9
Grid 4	Grid 5	Grid 6
64.6	65.8	65.1
Grid 7	Grid 8	Grid 9
58.0	62.2	63.5



0 dB = 66.1V/m

Crossed grids are excluded to determine RF emission rating for CDMA-1900 ch1175, backlight on and phone closed.

