

Test Laboratory: Kyocera Wireless Corp.

E-FIELD_E_Device, Thunder_R2D2 #5447 CDMA-1900, ST Battery BackLight ON OPEN, 07-19-06

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

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

DASY4 Configuration:

- Probe: ER3DV6 - SN2282Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 10/21/2005Calibrated: 9/2/2004
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of peak Total field = 39.8 V/m

Probe Modulation Factor = 1.00

Reference Value = 38.9 V/m; Power Drift = 0.061 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
35.7	35.7	32.8
Grid 4	Grid 5	Grid 6
39.8	39.8	35.7
Grid 7	Grid 8	Grid 9
37.9	38.0	34.6

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

Maximum value of peak Total field = 0.115 A/m

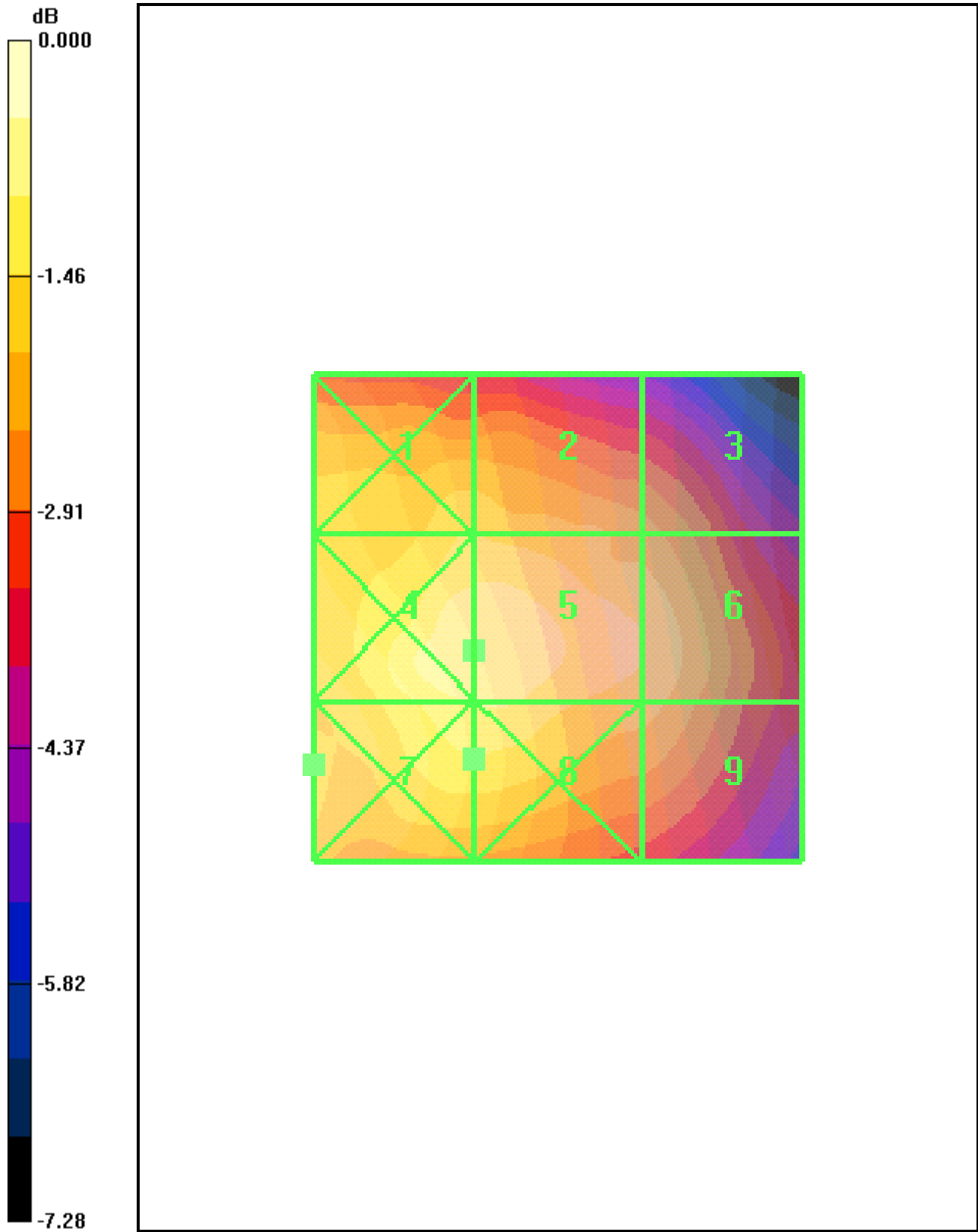
Probe Modulation Factor = 1.00

Reference Value = 0.083 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
0.127	0.095	0.061
Grid 4	Grid 5	Grid 6
0.150	0.112	0.067
Grid 7	Grid 8	Grid 9
0.156	0.115	0.071



0 dB = 39.8V/m

Test Laboratory: Kyocera Wireless Corp.

H-FIELD_H_Device, Thunder_R2D2 #5447 CDMA-1900, ST Battery BckLite ON OPEN 07-20-06

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

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

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

DASY4 Configuration:

- Probe: H3DV6 - SN6123 Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 9/2/2004 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of peak Total field = 0.125 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.094 A/m; Power Drift = -0.031 dB

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

Peak H-field in A/m

Grid 1 0.139	Grid 2 0.107	Grid 3 0.071
Grid 4 0.157	Grid 5 0.124	Grid 6 0.079
Grid 7 0.159	Grid 8 0.125	Grid 9 0.082

CDMA-1900 ch600 2/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 37.4 V/m

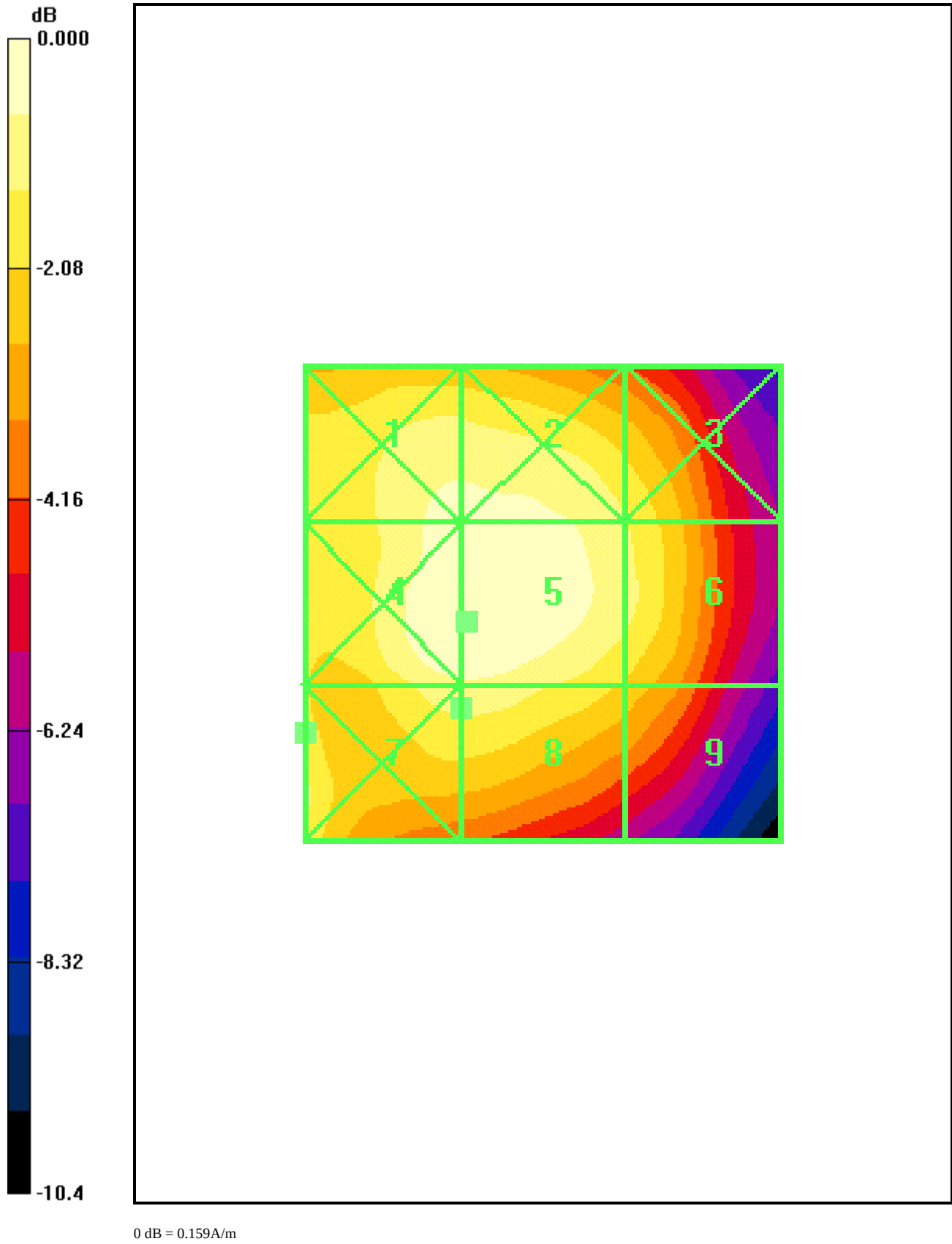
Probe Modulation Factor = 1.00

Reference Value = 39.0 V/m; Power Drift = -0.049 dB

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

Peak E-field in V/m

Grid 1 36.3	Grid 2 36.3	Grid 3 34.0
Grid 4 37.4	Grid 5 37.4	Grid 6 34.6
Grid 7 35.3	Grid 8 35.3	Grid 9 32.0



Test Laboratory: Kyocera Wireless Corp

H-FIELD_H_Device, Thunder_R2D2 #5447 CDMA-1900, ST Battery BckLite ON OPEN 07-20-06

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

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

DASY4 Configuration:

- Probe: H3DV6 - SN6123Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 9/2/2004Calibrated: 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of peak Total field = 0.140 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.106 A/m; Power Drift = -0.057 dB

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

Peak H-field in A/m

Grid 1 0.164	Grid 2 0.120	Grid 3 0.071
Grid 4 0.179	Grid 5 0.138	Grid 6 0.087
Grid 7 0.181	Grid 8 0.140	Grid 9 0.089

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

Maximum value of peak Total field = 43.7 V/m

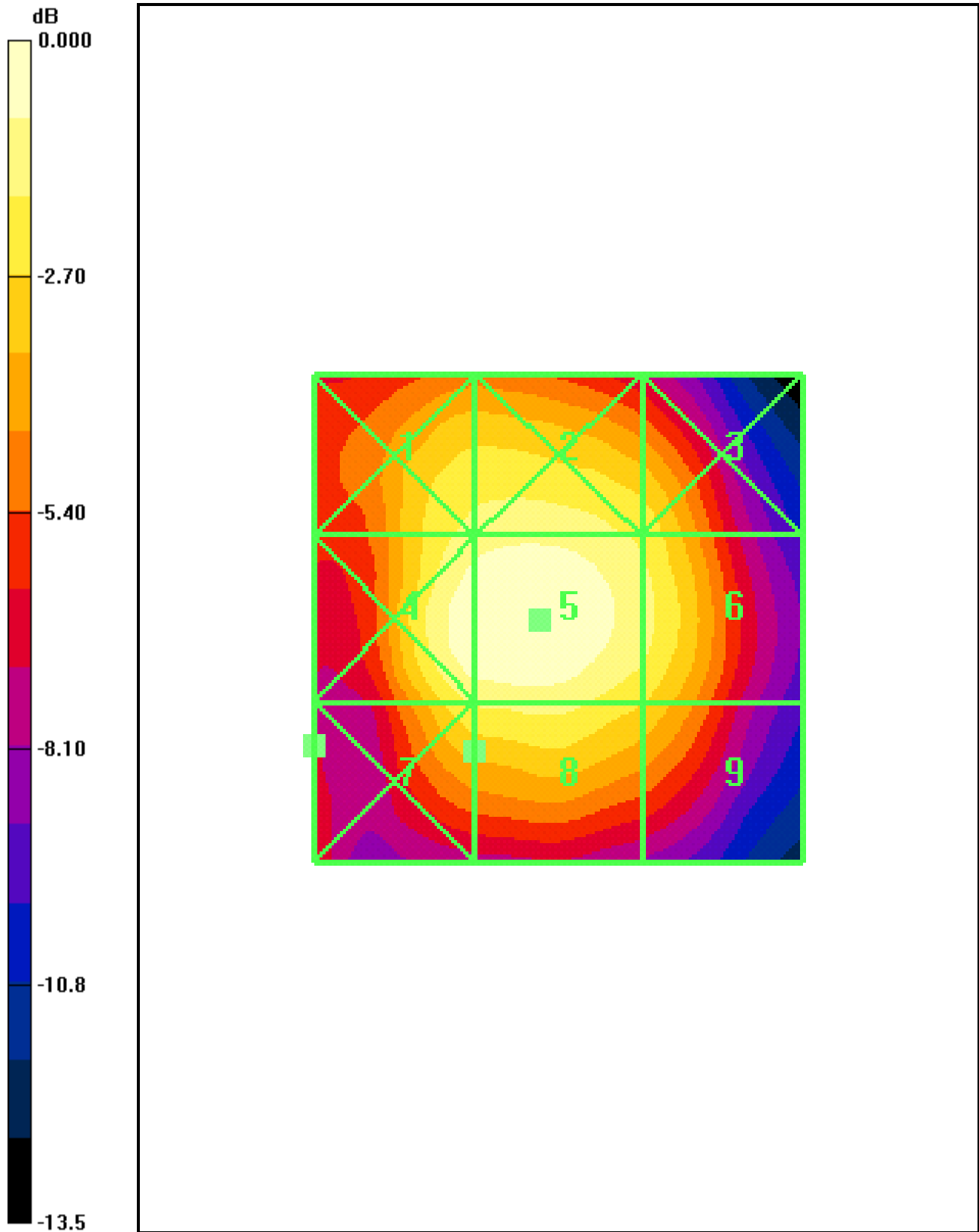
Probe Modulation Factor = 1.00

Reference Value = 45.3 V/m; Power Drift = -0.005 dB

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

Peak E-field in V/m

Grid 1 40.6	Grid 2 41.2	Grid 3 39.2
Grid 4 43.3	Grid 5 43.7	Grid 6 40.5
Grid 7 39.9	Grid 8 40.5	Grid 9 37.8



0 dB = 0.181A/m

Test Laboratory: Kyocera Wireless Corp

H-FIELD_H_Device, Thunder_R2D2 #5447 CDMA-1900 EXT Battery BckLite ON OPEN 07-20-06

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

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

DASY4 Configuration:

- Probe: H3DV6 - SN6123Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 9/2/2004Calibrated: 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of peak Total field = 0.184 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.138 A/m; Power Drift = -0.071 dB

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

Peak H-field in A/m

Grid 1 0.214	Grid 2 0.157	Grid 3 0.094
Grid 4 0.226	Grid 5 0.180	Grid 6 0.111
Grid 7 0.231	Grid 8 0.184	Grid 9 0.114

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

Maximum value of peak Total field = 39.2 V/m

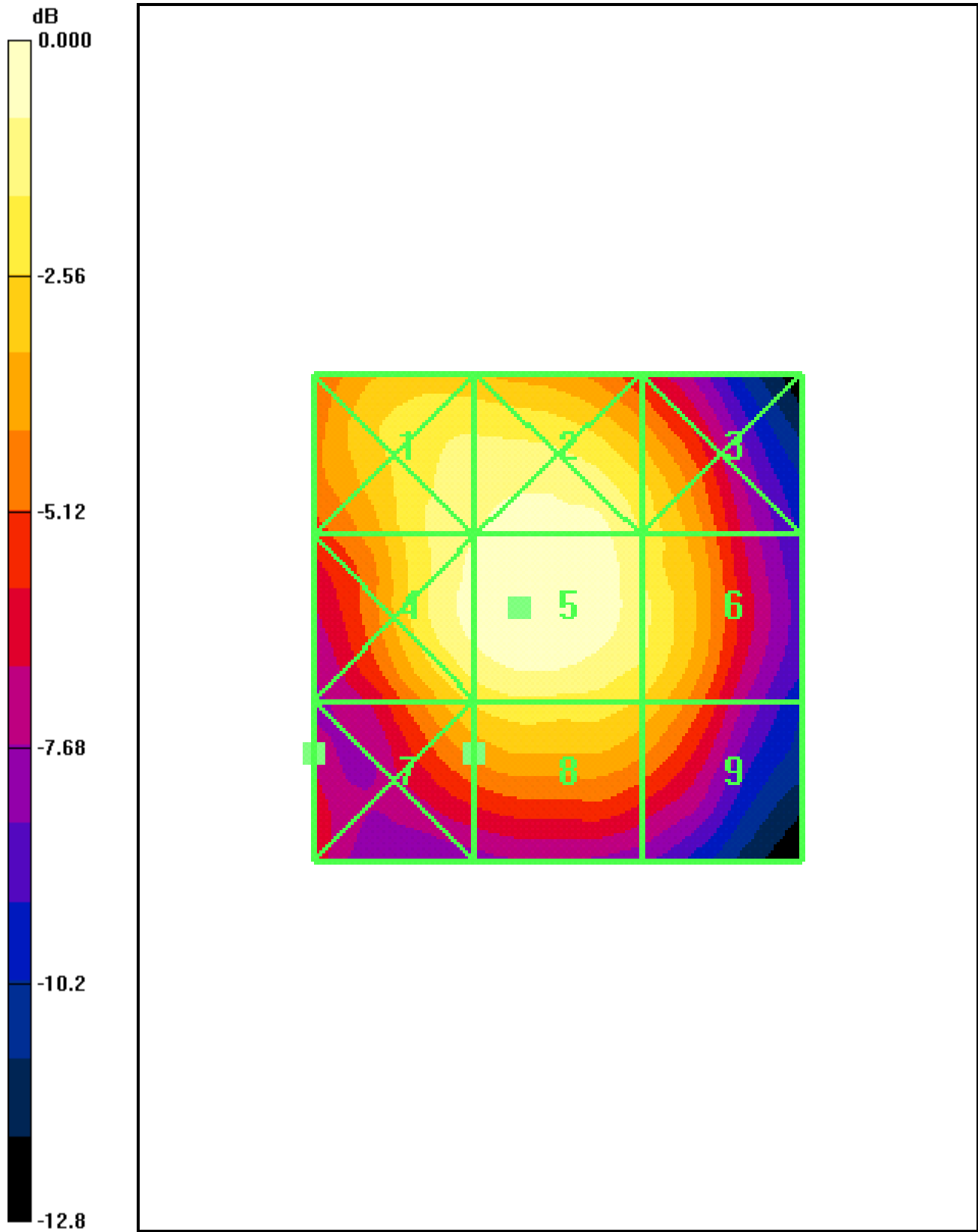
Probe Modulation Factor = 1.00

Reference Value = 40.4 V/m; Power Drift = -0.102 dB

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

Peak E-field in V/m

Grid 1 37.3	Grid 2 38.3	Grid 3 35.6
Grid 4 38.3	Grid 5 39.2	Grid 6 36.3
Grid 7 34.4	Grid 8 35.5	Grid 9 33.9



0 dB = 0.231A/m

Test Laboratory: Kyocera Wireless Corp

H-FIELD_H_Device, Thunder_R2D2 #5447 CDMA-1900 EXT Battery BckLite OFF OPEN 07-20-06

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

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

DASY4 Configuration:

- Probe: H3DV6 - SN6123Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 9/2/2004Calibrated: 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of peak Total field = 0.180 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.135 A/m; Power Drift = -0.073 dB

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

Peak H-field in A/m

Grid 1 0.212	Grid 2 0.157	Grid 3 0.093
Grid 4 0.231	Grid 5 0.177	Grid 6 0.109
Grid 7 0.237	Grid 8 0.180	Grid 9 0.113

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

Maximum value of peak Total field = 39.7 V/m

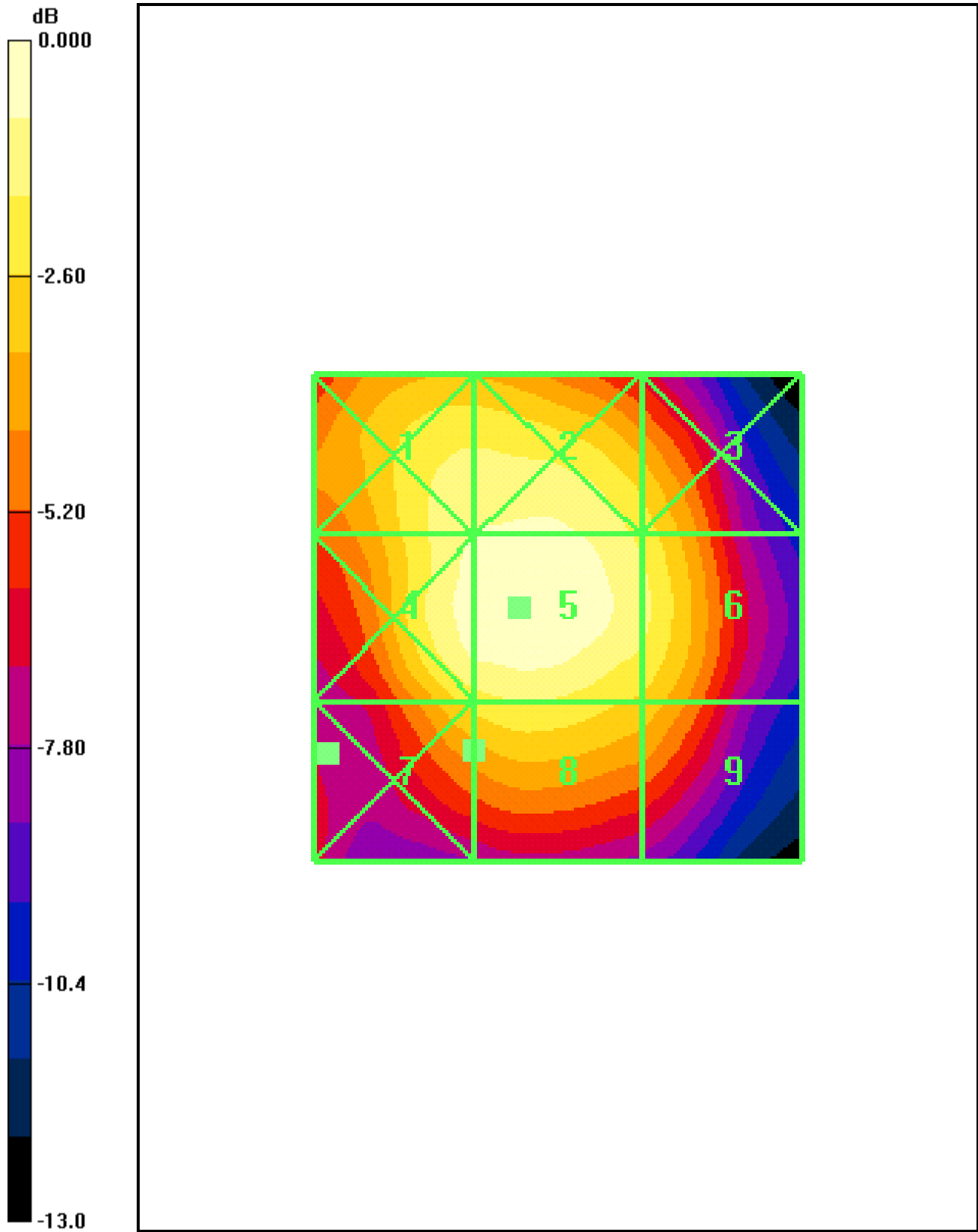
Probe Modulation Factor = 1.00

Reference Value = 41.7 V/m; Power Drift = 0.034 dB

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

Peak E-field in V/m

Grid 1 37.9	Grid 2 38.3	Grid 3 35.5
Grid 4 38.9	Grid 5 39.7	Grid 6 36.6
Grid 7 35.1	Grid 8 36.1	Grid 9 34.0



0 dB = 0.237A/m

Test Laboratory: Kyocera Wireless Corp

H-FIELD_H_Device, Thunder_R2D2 #5447 CDMA-1900 ST Battery BckLite OFF OPEN 07-20-06

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

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

DASY4 Configuration:

- Probe: H3DV6 - SN6123Probe: ER3DV6 - SN2282; ConvF(1, 1, 1); Calibrated: 9/2/2004Calibrated: 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

CDMA-1900 ch1175/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 = 0.099 A/m; Power Drift = 0.021 dB

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

Peak H-field in A/m

Grid 1 0.160	Grid 2 0.115	Grid 3 0.069
Grid 4 0.167	Grid 5 0.131	Grid 6 0.080
Grid 7 0.174	Grid 8 0.133	Grid 9 0.083

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

Maximum value of peak Total field = 43.6 V/m

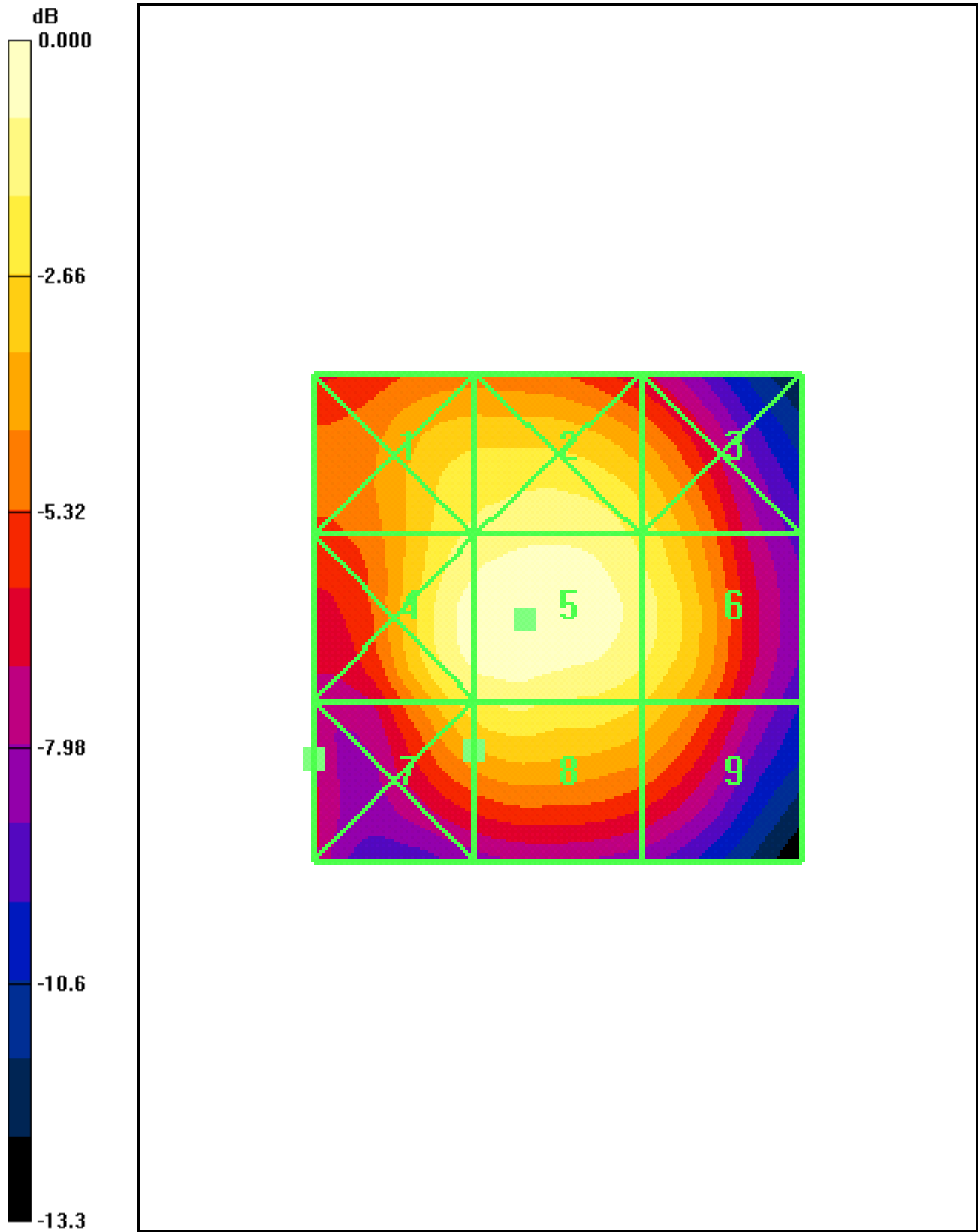
Probe Modulation Factor = 1.00

Reference Value = 46.6 V/m; Power Drift = -0.084 dB

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

Peak E-field in V/m

Grid 1 40.2	Grid 2 41.2	Grid 3 39.0
Grid 4 42.8	Grid 5 43.6	Grid 6 40.8
Grid 7 39.3	Grid 8 40.3	Grid 9 38.0



0 dB = 0.174A/m

Test Laboratory: Kyocera Wireless Corp.

E-FIELD_E_Device, Thunder_R2D2 #5447 CDMA-1900, ST Battery BckLite 360 Degrees ON OPEN, 07-19-06

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

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

DASY4 Configuration:

- Probe: ER3DV6 - SN2282Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 10/21/2005Calibrated: 9/2/2004
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 1/16/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

CDMA-1900 ch1175 360 degrees/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 43.9 V/m

Probe Modulation Factor = 1.00

Reference Value = 46.1 V/m; Power Drift = 0.084 dB

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

Peak E-field in V/m

Grid 1 40.8	Grid 2 42.0	Grid 3 39.0
Grid 4 43.2	Grid 5 43.9	Grid 6 40.4
Grid 7 39.2	Grid 8 40.3	Grid 9 37.6

CDMA-1900 ch1175 360 degrees/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.140 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.103 A/m; Power Drift = -0.042 dB

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

Peak H-field in A/m

Grid 1 0.158	Grid 2 0.119	Grid 3 0.073
Grid 4 0.173	Grid 5 0.137	Grid 6 0.086
Grid 7 0.176	Grid 8 0.140	Grid 9 0.089

