

Exhibit 12 Appendix C: HAC RF Data Plot

CELL BC-10

CDMA 800 BC-10 Channel 476

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 817.9 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_476/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 92.0 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 121.3 V/m; Power Drift = -0.099 dB

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

Peak E-field in V/m

Grid 1 84.0 M4	Grid 2 90.3 M4	Grid 3 86.8 M4
Grid 4 85.1 M4	Grid 5 92.0 M4	Grid 6 88.7 M4
Grid 7 80.1 M4	Grid 8 85.4 M4	Grid 9 83.5 M4

CELL_476/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.175 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.162 A/m; Power Drift = -0.011 dB

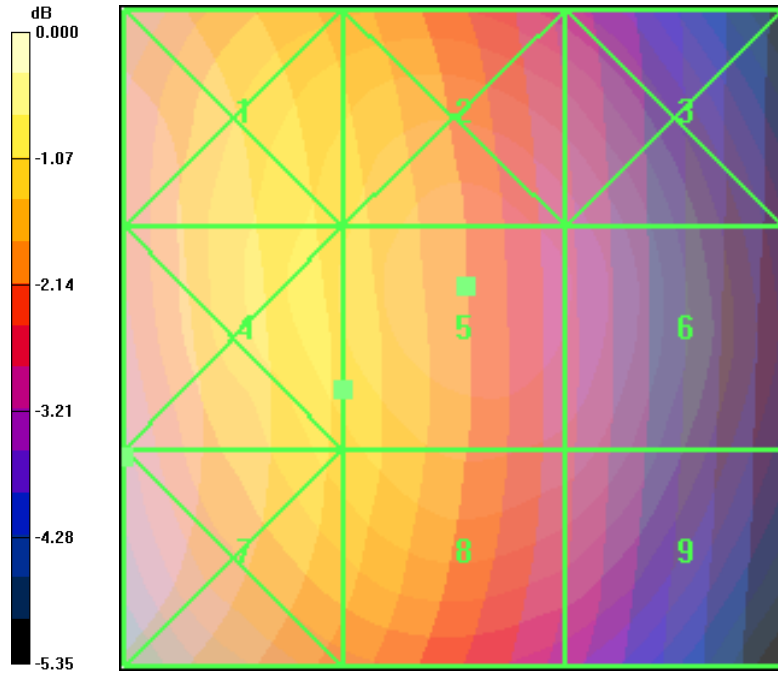
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.221 M4	Grid 2 0.171 M4	Grid 3 0.112 M4
Grid 4 0.226 M4	Grid 5 0.175 M4	Grid 6 0.113 M4
Grid 7 0.226 M4	Grid 8 0.174 M4	Grid 9 0.112 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 92.0V/m

CDMA 800 BC-10 Channel 580

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 820.5 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_580/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 95.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 123.9 V/m; Power Drift = -0.022 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
88.7 M4	93.4 M4	88.6 M4
Grid 4	Grid 5	Grid 6
89.1 M4	95.9 M4	90.3 M4
Grid 7	Grid 8	Grid 9
81.3 M4	87.6 M4	84.3 M4

CELL_580/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.179 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.168 A/m; Power Drift = -0.062 dB

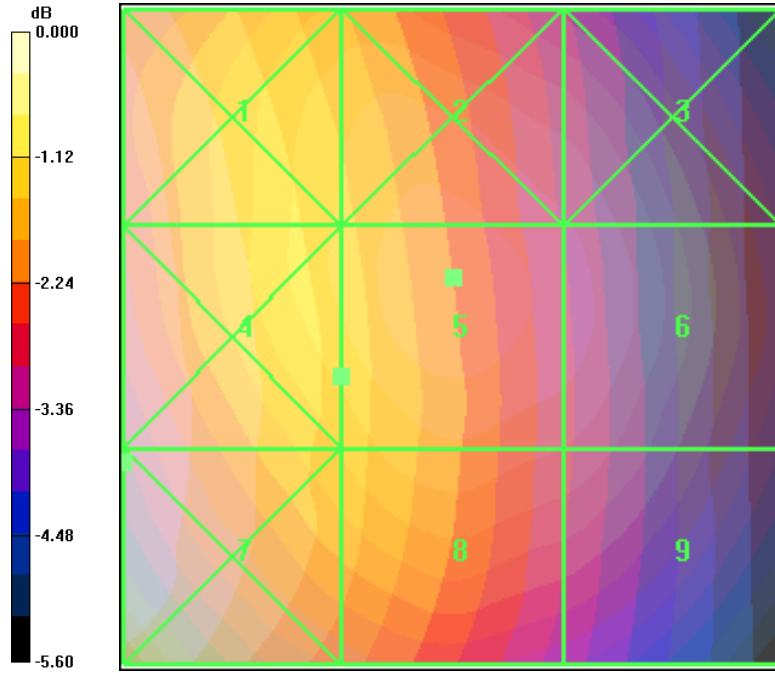
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.226 M4	0.174 M4	0.115 M4
Grid 4	Grid 5	Grid 6
0.231 M4	0.179 M4	0.119 M4
Grid 7	Grid 8	Grid 9
0.231 M4	0.177 M4	0.119 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 95.9V/m

CDMA 800 BC-10 Channel 684

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 823.1 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_684/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 96.4 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 122.4 V/m; Power Drift = -0.017 dB

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

Peak E-field in V/m

Grid 1 87.5 M4	Grid 2 95.5 M4	Grid 3 92.8 M4
Grid 4 87.9 M4	Grid 5 96.4 M4	Grid 6 94.1 M4
Grid 7 78.9 M4	Grid 8 87.8 M4	Grid 9 86.5 M4

CELL_684/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.182 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.172 A/m; Power Drift = 0.135 dB

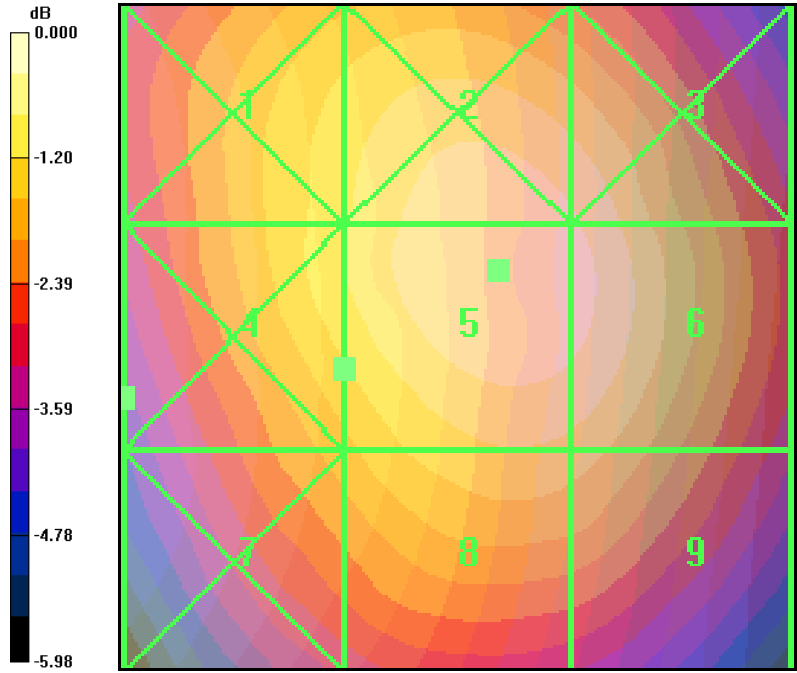
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.231 M4	Grid 2 0.179 M4	Grid 3 0.125 M4
Grid 4 0.231 M4	Grid 5 0.182 M4	Grid 6 0.125 M4
Grid 7 0.231 M4	Grid 8 0.180 M4	Grid 9 0.121 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0

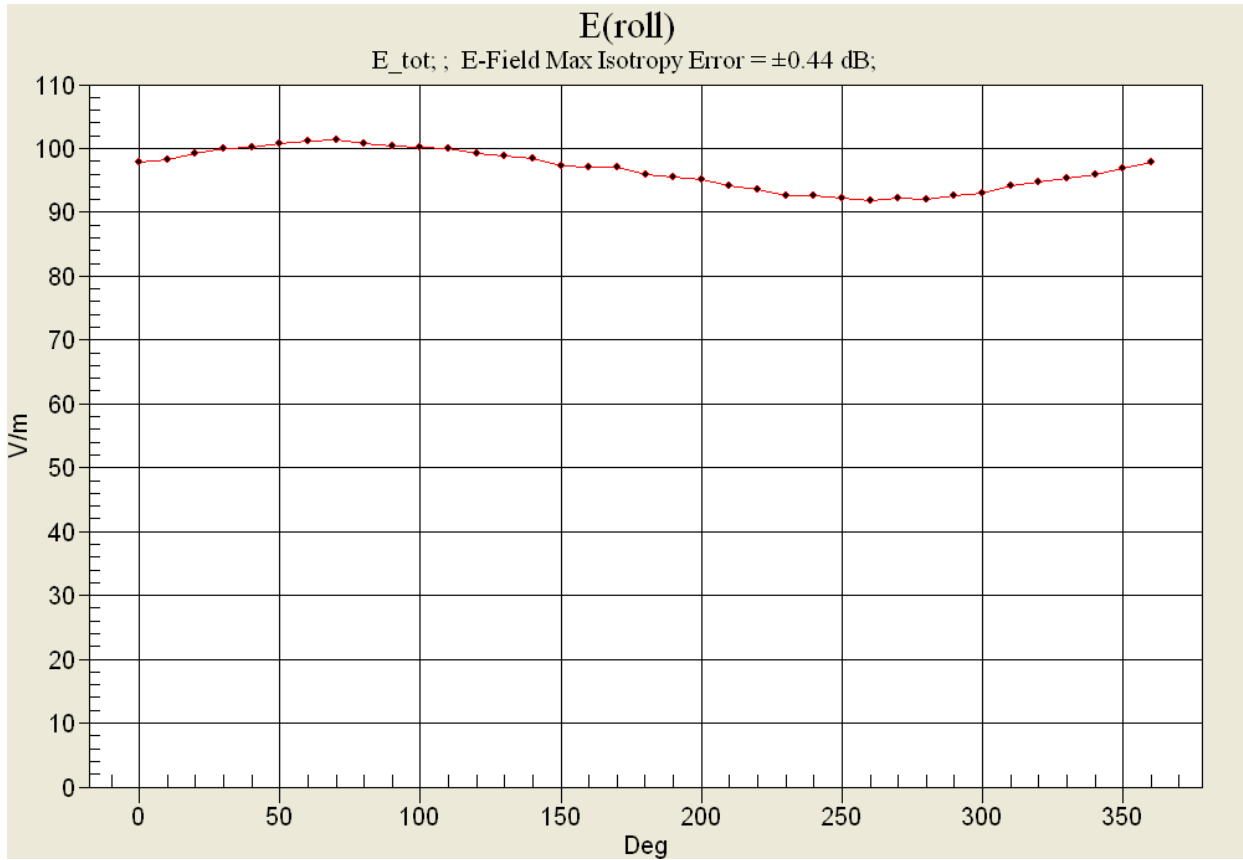


0 dB = 96.4V/m



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0

CDMA 800 Channel 684 (360) E roll





Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0

CELL BC-0

CDMA 800 BC-0 Channel 1013

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 824.7 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 100.1 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 126.2 V/m; Power Drift = 0.195 dB

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

Peak E-field in V/m

Grid 1 90.8 M4	Grid 2 99.0 M4	Grid 3 96.5 M4
Grid 4 91.2 M4	Grid 5 100.1 M4	Grid 6 98.1 M4
Grid 7 82.4 M4	Grid 8 91.4 M4	Grid 9 90.3 M4

CELL_1013/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.181 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.170 A/m; Power Drift = -0.017 dB

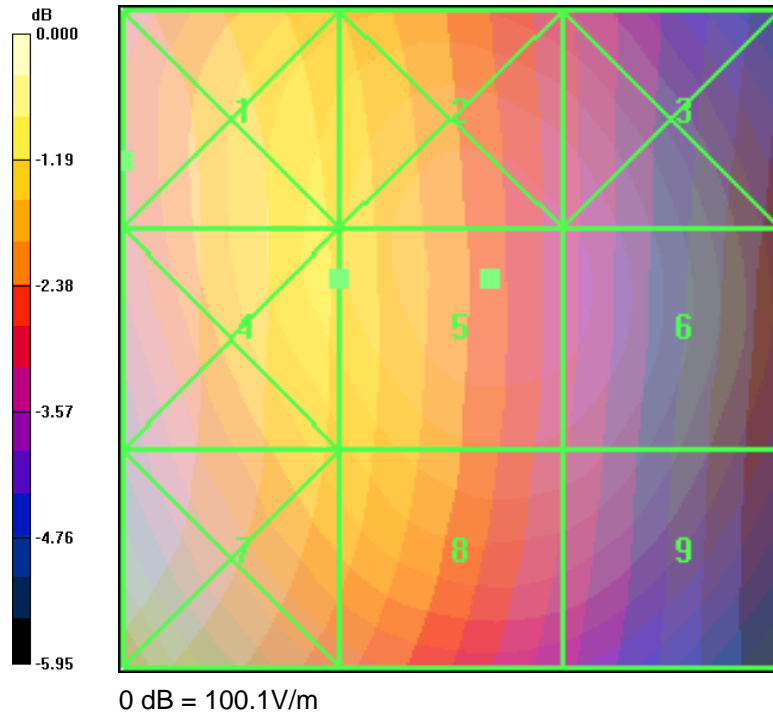
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.232 M4	Grid 2 0.180 M4	Grid 3 0.119 M4
Grid 4 0.232 M4	Grid 5 0.181 M4	Grid 6 0.119 M4
Grid 7 0.231 M4	Grid 8 0.180 M4	Grid 9 0.117 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



CDMA 800 BC-0 Channel 384

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 836.52 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_384/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 73.6 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 93.9 V/m; Power Drift = -0.018 dB

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

Peak E-field in V/m

Grid 1 62.3 M4	Grid 2 71.7 M4	Grid 3 71.2 M4
Grid 4 63.1 M4	Grid 5 73.6 M4	Grid 6 73.4 M4
Grid 7 59.7 M4	Grid 8 70.2 M4	Grid 9 70.0 M4

CELL_384/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.144 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.137 A/m; Power Drift = -0.009 dB

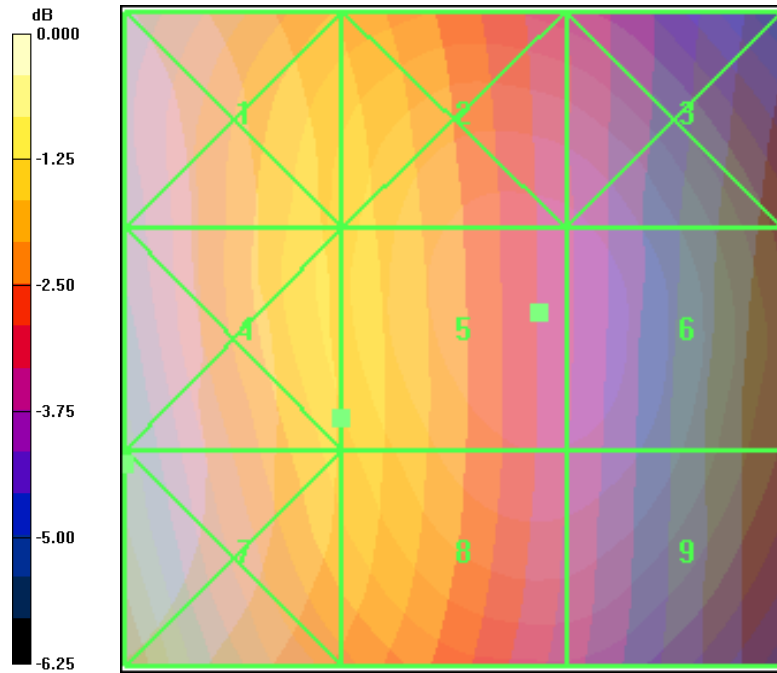
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.174 M4	Grid 2 0.141 M4	Grid 3 0.098 M4
Grid 4 0.177 M4	Grid 5 0.144 M4	Grid 6 0.098 M4
Grid 7 0.177 M4	Grid 8 0.144 M4	Grid 9 0.097 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 73.6V/m

CDMA 800 BC-0 Channel 777

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 848.31 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

CELL_777/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 77.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 98.4 V/m; Power Drift = -0.004 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
69.6 M4	76.1 M4	74.6 M4
Grid 4	Grid 5	Grid 6
70.0 M4	77.2 M4	76.2 M4
Grid 7	Grid 8	Grid 9
64.7 M4	72.6 M4	72.2 M4

CELL_777/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

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.120 A/m; Power Drift = -0.018 dB

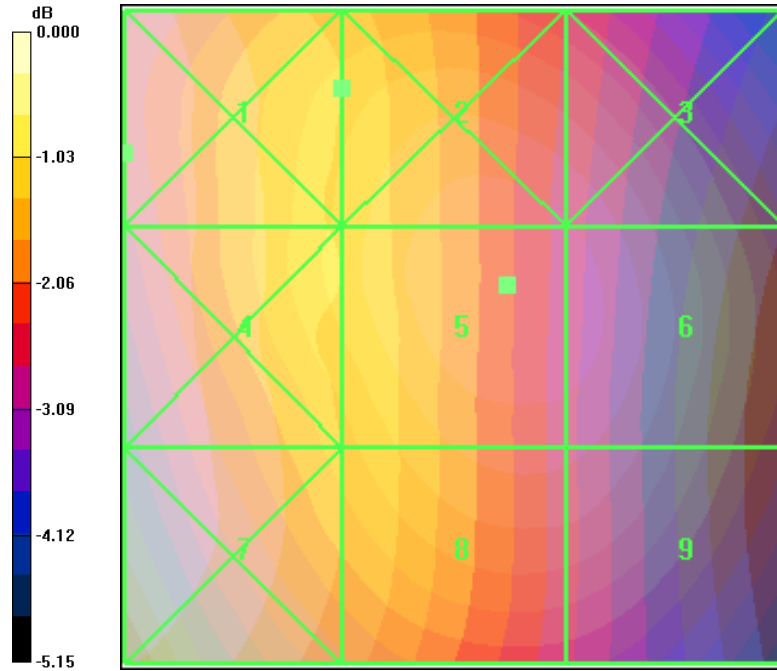
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.160 M4	0.128 M4	0.088 M4
Grid 4	Grid 5	Grid 6
0.160 M4	0.128 M4	0.086 M4
Grid 7	Grid 8	Grid 9
0.160 M4	0.128 M4	0.085 M4

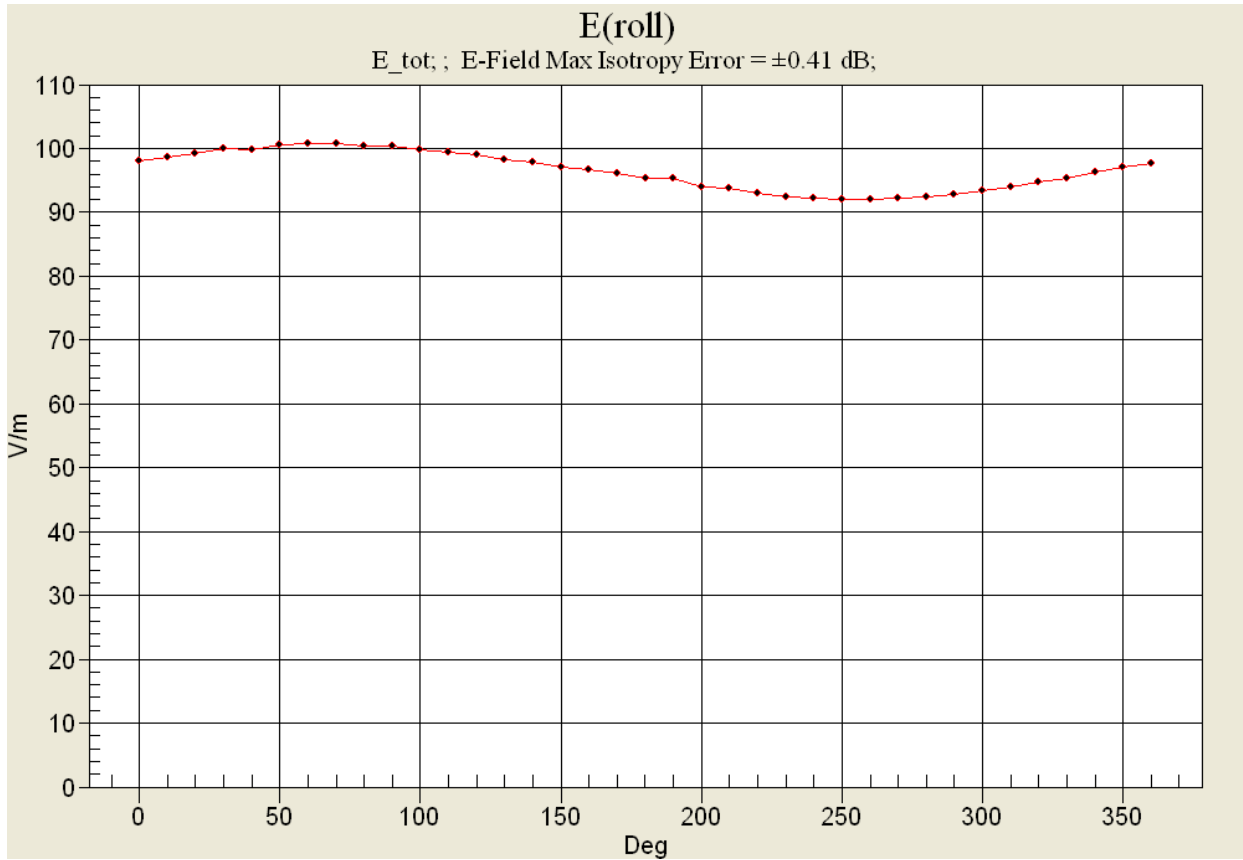


Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 77.2V/m

CDMA 800 Channel 1013 (360) E roll



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0

PCS

CDMA 1900 Channel 25

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 1850 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 25.8 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 25.3 V/m; Power Drift = 0.027 dB

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

Peak E-field in V/m

Grid 1 23.6 M4	Grid 2 21.5 M4	Grid 3 23.7 M4
Grid 4 20.4 M4	Grid 5 25.4 M4	Grid 6 25.9 M4
Grid 7 25.8 M4	Grid 8 26.9 M4	Grid 9 26.9 M4

PCS_25/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.100 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.094 A/m; Power Drift = 0.237 dB

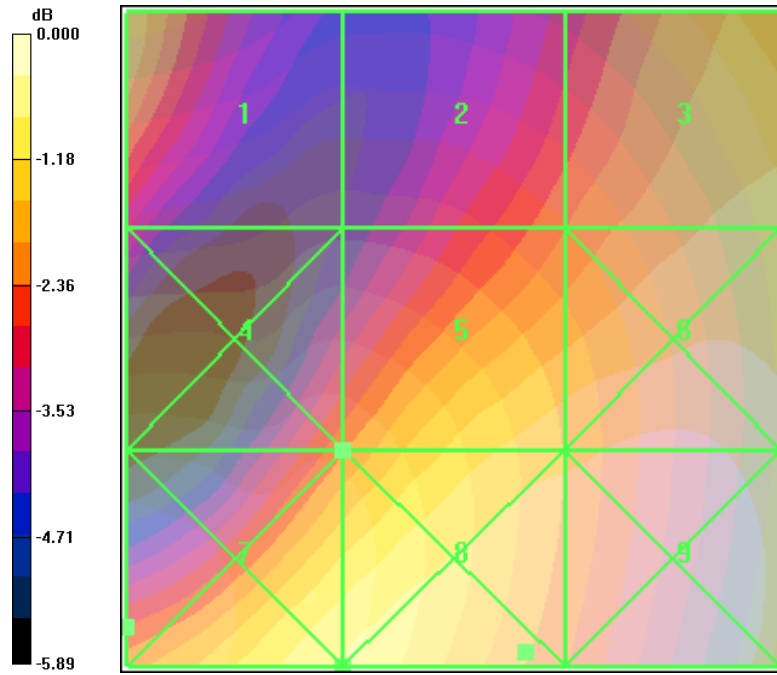
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.081 M4	Grid 2 0.081 M4	Grid 3 0.074 M4
Grid 4 0.100 M4	Grid 5 0.100 M4	Grid 6 0.082 M4
Grid 7 0.112 M4	Grid 8 0.105 M4	Grid 9 0.082 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 26.9V/m

CDMA 1900 Channel 600

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 22.6 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
24.0 M4	22.4 M4	27.9 M4
Grid 4	Grid 5	Grid 6
19.4 M4	25.9 M4	28.7 M4
Grid 7	Grid 8	Grid 9
21.8 M4	26.9 M4	28.7 M4

PCS_600/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.106 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.107 A/m; Power Drift = 0.079 dB

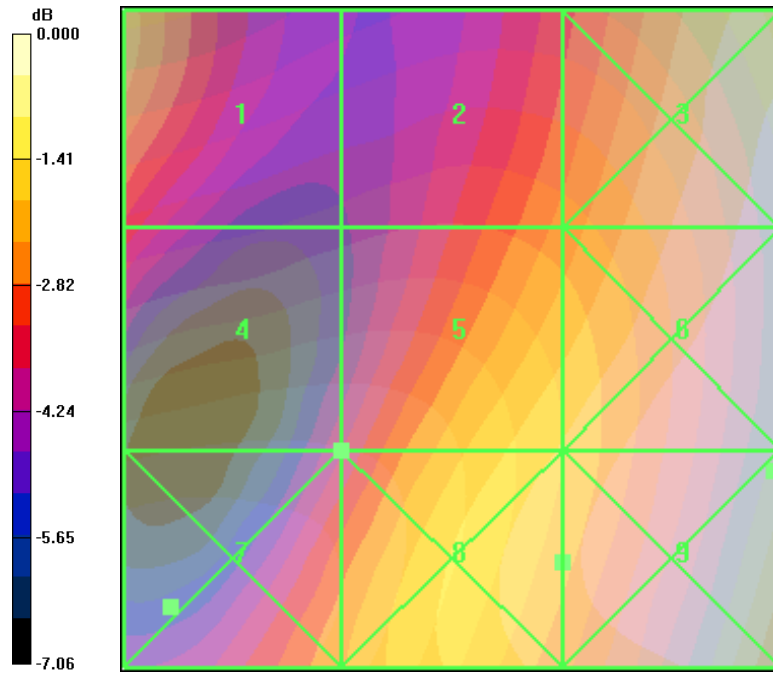
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.086 M4	0.088 M4	0.086 M4
Grid 4	Grid 5	Grid 6
0.106 M4	0.105 M4	0.092 M4
Grid 7	Grid 8	Grid 9
0.115 M4	0.110 M4	0.092 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 28.7V/m

CDMA 1900 Channel 1175

Date: 10/27/2011

Communication System: CDMA_Tri_BC0&10, Frequency: 1910 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³ Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 1/20/2011 Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/13/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 23.4 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 17.6 V/m; Power Drift = -0.082 dB

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

Peak E-field in V/m

Grid 1 22.3 M4	Grid 2 17.7 M4	Grid 3 21.2 M4
Grid 4 19.3 M4	Grid 5 23.4 M4	Grid 6 25.3 M4
Grid 7 19.6 M4	Grid 8 26.1 M4	Grid 9 26.8 M4

PCS_1175/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.093 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.090 A/m; Power Drift = -0.162 dB

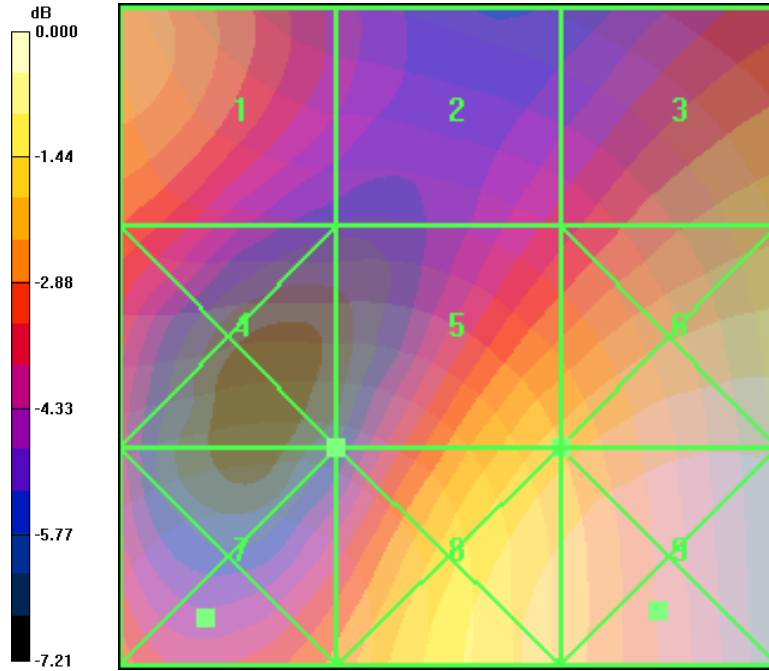
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.075 M4	Grid 2 0.073 M4	Grid 3 0.068 M4
Grid 4 0.094 M4	Grid 5 0.093 M4	Grid 6 0.079 M4
Grid 7 0.105 M4	Grid 8 0.102 M4	Grid 9 0.082 M4



Applicant:	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-20RFC-1011-R0



0 dB = 26.8V/m

CDMA 1900 Channel 600 (360) E roll

