

Applicant:	Kyocera
FCC ID:	V65C5170
Report #:	CT- C5170-20RFC-0212-R0

Exhibit 12 Appendix C: HAC RF Data Plot

PCS

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CDMA 1900 Channel 25

Date: 02/27/2012

Communication System: CDMA-1900, Frequency: 1851.25 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 - SN2341 Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011 Calibrated: 7/20/2011

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 \pm 2.0 1 deg C

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

Maximum value of peak Total field = 34.3 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 34.9 V/m; Power Drift = -0.126 dB

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

Peak E-field in V/m

Grid 1 36.7 M4	Grid 2 38.5 M4	Grid 3 36.4 M4
Grid 4 31.1 M4	Grid 5 34.3 M4	Grid 6 33.2 M4
Grid 7 28.5 M4	Grid 8 29.2 M4	Grid 9 29.0 M4

PCS_25/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

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.109 A/m; Power Drift = 0.054 dB

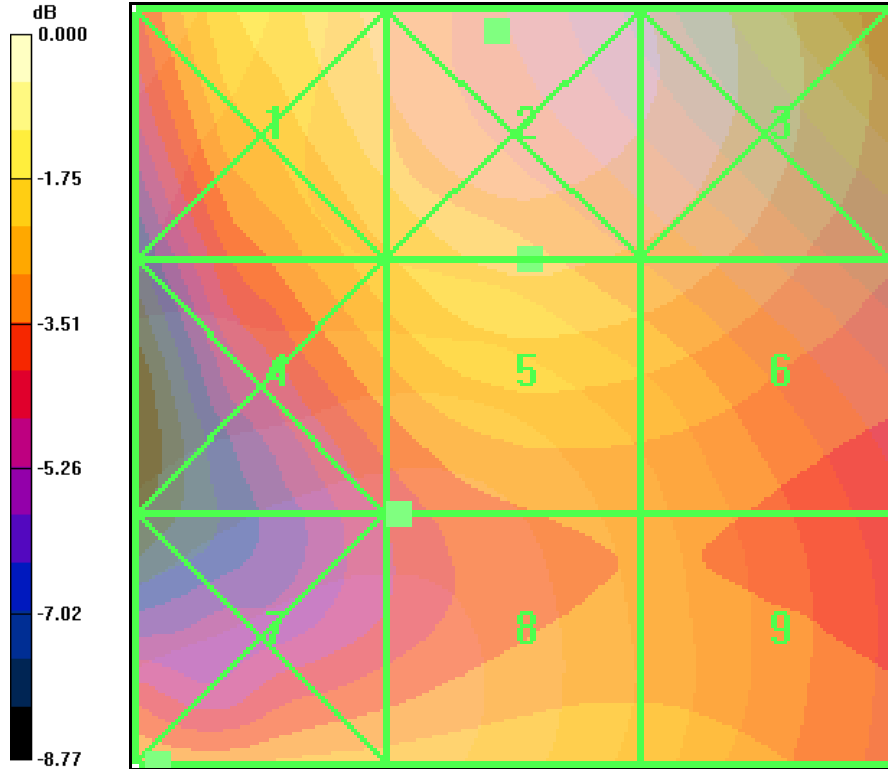
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.104 M4	Grid 2 0.090 M4	Grid 3 0.081 M4
Grid 4 0.108 M4	Grid 5 0.108 M4	Grid 6 0.097 M4
Grid 7 0.117 M4	Grid 8 0.115 M4	Grid 9 0.100 M4



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0 dB = 38.5V/m

CDMA 1900 Channel 600

Date: 02/27/2012

Communication System: CDMA-1900, 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 - SN2341 Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011 Calibrated: 7/20/2011

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 \approx 22.0 1 deg C

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

Maximum value of peak Total field = 27.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 26.4 V/m; Power Drift = -0.109 dB

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

Peak E-field in V/m

Grid 1 37.3 M4	Grid 2 38.1 M4	Grid 3 32.6 M4
Grid 4 25.1 M4	Grid 5 26.8 M4	Grid 6 24.8 M4
Grid 7 27.2 M4	Grid 8 25.1 M4	Grid 9 22.9 M4

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

Maximum value of peak Total field = 0.105 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.116 A/m; Power Drift = 0.069 dB

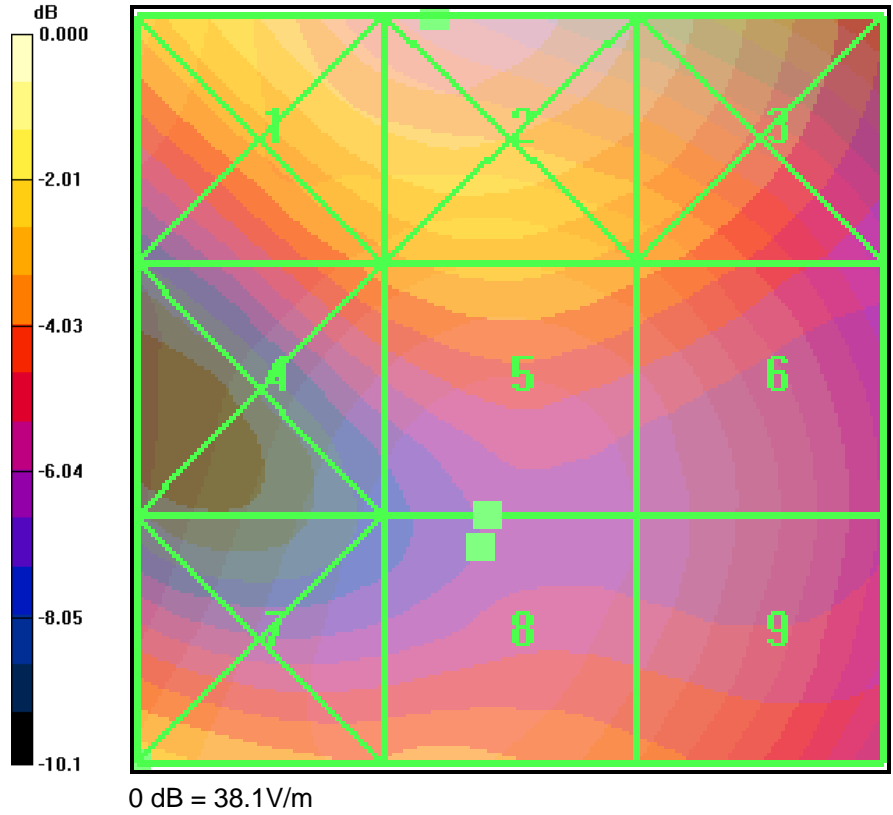
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.094 M4	Grid 2 0.093 M4	Grid 3 0.089 M4
Grid 4 0.102 M4	Grid 5 0.105 M4	Grid 6 0.101 M4
Grid 7 0.104 M4	Grid 8 0.105 M4	Grid 9 0.101 M4



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CDMA 1900 Channel 1175

Date: 02/27/2012

Communication System: CDMA-1900, Frequency: 1908.75 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 - SN2341 Probe: H3DV5 - SN6029, ConvF(1, 1, 1), Calibrated: 7/12/2011 Calibrated: 7/20/2011

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 = 32.7 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 31.7 V/m; Power Drift = -0.058 dB

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

Peak E-field in V/m

Grid 1 37.2 M4	Grid 2 40.2 M4	Grid 3 37.6 M4
Grid 4 27.6 M4	Grid 5 32.5 M4	Grid 6 32.0 M4
Grid 7 32.7 M4	Grid 8 25.4 M4	Grid 9 22.2 M4

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

Maximum value of peak Total field = 0.105 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.114 A/m; Power Drift = -0.061 dB

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

Peak H-field in A/m

Grid 1 0.108 M4	Grid 2 0.092 M4	Grid 3 0.083 M4
Grid 4 0.099 M4	Grid 5 0.103 M4	Grid 6 0.097 M4
Grid 7 0.103 M4	Grid 8 0.105 M4	Grid 9 0.099 M4



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