



Applicant:	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-20RFC-0812-R0

Exhibit 12 Appendix C: HAC RF Data Plot

PCS

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CDMA 1900 Channel 25

Date: 08/22/2012

Communication System: CDMA_Tri_BC0&10, Frequency: 1850 MHz, Duty Cycle: 1:1

 Medium: Air, Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$ Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1 \text{ kg/m}^3$

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

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 2/17/2012

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

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 = 24.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 25.7 V/m; Power Drift = 0.103 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
25.8 M4	28.6 M4	27.5 M4
Grid 4	Grid 5	Grid 6
21.3 M4	24.6 M4	23.9 M4
Grid 7	Grid 8	Grid 9
22.1 M4	24.9 M4	23.8 M4

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

Maximum value of peak Total field = 0.095 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.085 A/m; Power Drift = -0.180 dB

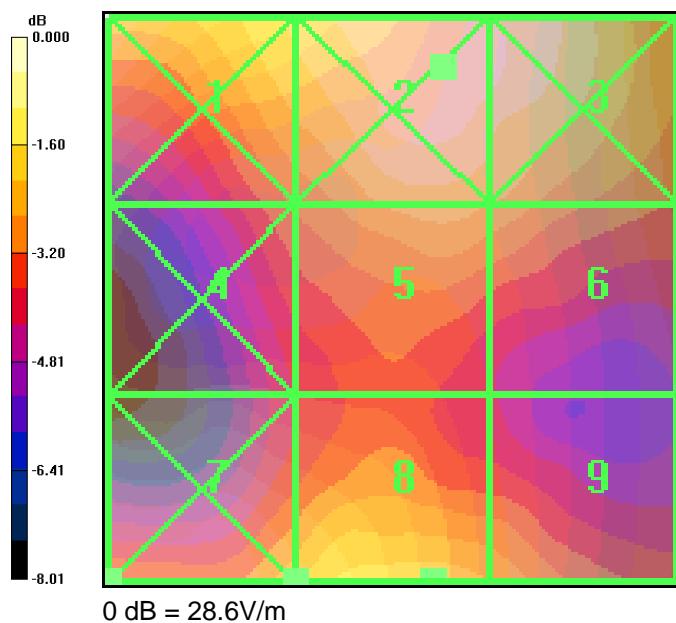
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.103 M4	0.085 M4	0.068 M4
Grid 4	Grid 5	Grid 6
0.080 M4	0.077 M4	0.069 M4
Grid 7	Grid 8	Grid 9
0.103 M4	0.095 M4	0.072 M4



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CDMA 1900 Channel 600

Date: 08/22/2012

Communication System: CDMA_Tri_BC0&10, Frequency: 1880 MHz, Duty Cycle: 1:1

 Medium: Air, Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$ Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1 \text{ kg/m}^3$

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

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 2/17/2012

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

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 = 28.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 24.5 V/m; Power Drift = -0.155 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
38.0 M4	41.0 M4	35.9 M4
Grid 4	Grid 5	Grid 6
26.8 M4	28.2 M4	24.2 M4

Grid 7	Grid 8	Grid 9
23.6 M4	27.7 M4	24.6 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 = 0.103 A/m; Power Drift = -0.002 dB

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

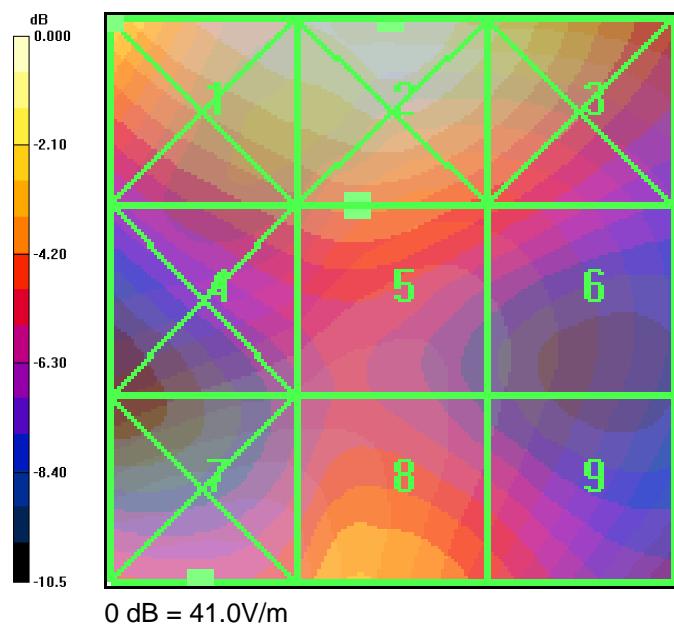
Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.096 M4	0.085 M4	0.085 M4
Grid 4	Grid 5	Grid 6
0.093 M4	0.094 M4	0.091 M4

Grid 7	Grid 8	Grid 9
0.110 M4	0.105 M4	0.090 M4



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CDMA 1900 Channel 1175

Date: 08/22/2012

Communication System: CDMA_Tri_BC0&10, Frequency: 1910 MHz, Duty Cycle: 1:1

 Medium: Air, Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$ Medium parameters used: $\sigma = 0 \text{ mho/m}$, $\epsilon_r = 1$; $\rho = 1 \text{ kg/m}^3$

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

DASY4 Configuration:

Probe: ER3DV6 - SN2282 Probe: H3DV6 - SN6123, ConvF(1, 1, 1), Calibrated: 2/17/2012

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

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 = 31.7 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 30.8 V/m; Power Drift = -0.189 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
35.2 M4	39.0 M4	36.9 M4
Grid 4	Grid 5	Grid 6
27.8 M4	31.7 M4	30.7 M4

Grid 7	Grid 8	Grid 9
28.5 M4	23.0 M4	21.0 M4

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

Maximum value of peak Total field = 0.091 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

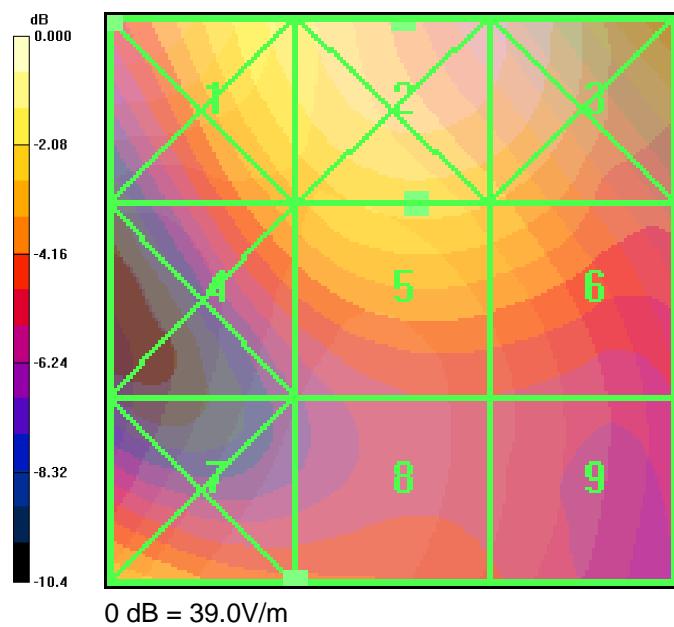
Reference Value = 0.097 A/m; Power Drift = -0.082 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.103 M4	0.085 M4	0.076 M4
Grid 4	Grid 5	Grid 6
0.087 M4	0.089 M4	0.085 M4

Grid 7	Grid 8	Grid 9
0.091 M4	0.091 M4	0.085 M4



CDMA 1900 Channel 600 (360) E roll