

Applicant	Kyocera
FCC ID:	OVF-K5301
Report #:	CT- K5301-C2PC 20RFB-0711-R0

Exhibit 12 Appendix B: HAC RF Validation Plot

Date: 07/25/2011

K5301_E_Dipole_1880

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

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

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn603, Calibrated: 9/20/2010

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

E Scan 1880 - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.2 V/m

Probe Modulation Factor = 1.00

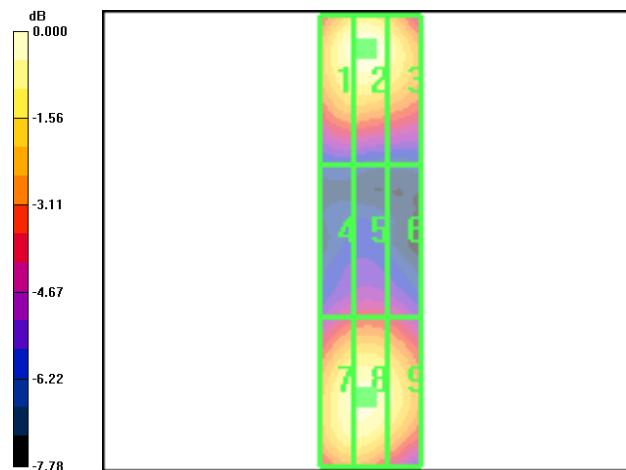
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 134.6 V/m; Power Drift = -0.038 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

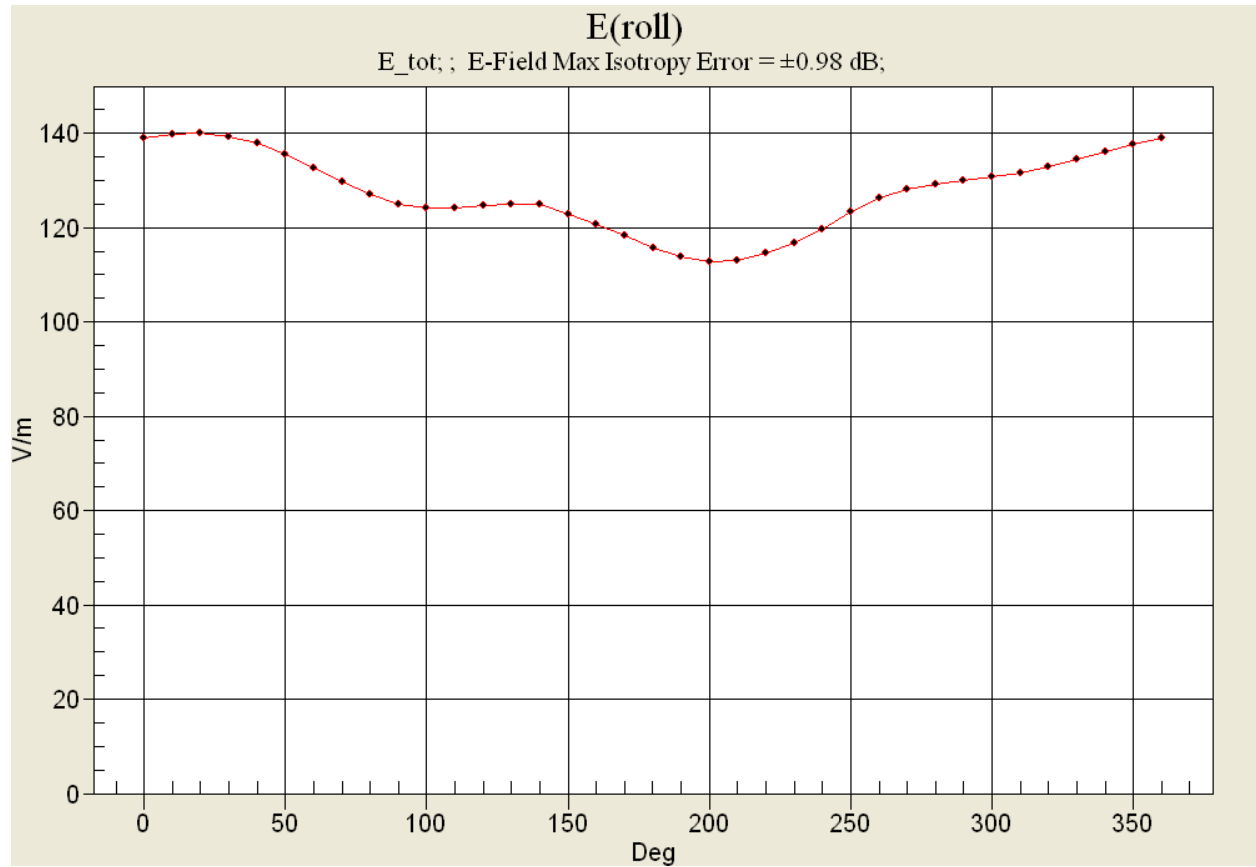
Grid 1 136.5 M2	Grid 2 139.2 M2	Grid 3 129.7 M2
Grid 4 88.5 M3	Grid 5 90.9 M3	Grid 6 87.8 M3
Grid 7 132.9 M2	Grid 8 134.3 M2	Grid 9 126.8 M2



0 dB = 139.2V/m



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Date: 07/25/2011

K5301_H_Dipole_1880

Communication System: CW, Frequency: 1800 MHz, Duty Cycle: 1:1
 Medium: Air, 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: H3DV6 - SN6123, , Calibrated: 1/25/2011

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn603, Calibrated: 9/20/2010

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

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing

Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.493 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.546 A/m; Power Drift = -0.042 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.432 M2	Grid 2 0.451 M2	Grid 3 0.435 M2
Grid 4 0.474 M2	Grid 5 0.493 M2	Grid 6 0.470 M2
Grid 7 0.439 M2	Grid 8 0.456 M2	Grid 9 0.425 M2

