



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0

Exhibit 12 Appendix B: HAC RF Validation Plots

Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0

Validation E Field Probe SN2341, Dipole SN1015, 835MHz

Date: 08/22/2012

S2150_Dual_E_Dipole_835

Communication System: CW, Frequency: 835 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: 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

E Scan 835 - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 170.9 V/m

Probe Modulation Factor = 1.00

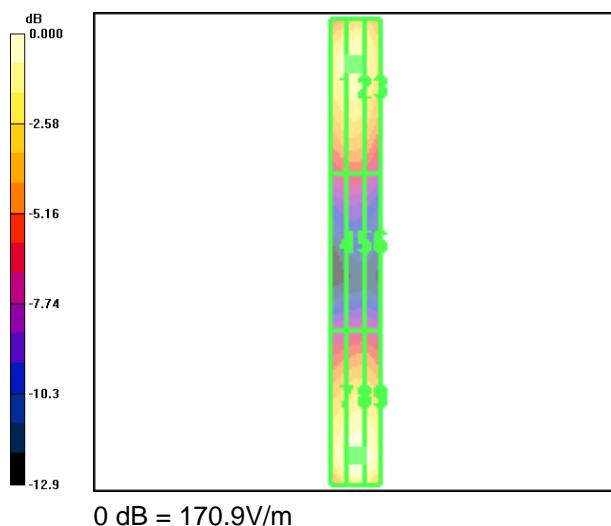
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 192.4 V/m; Power Drift = -0.012 dB

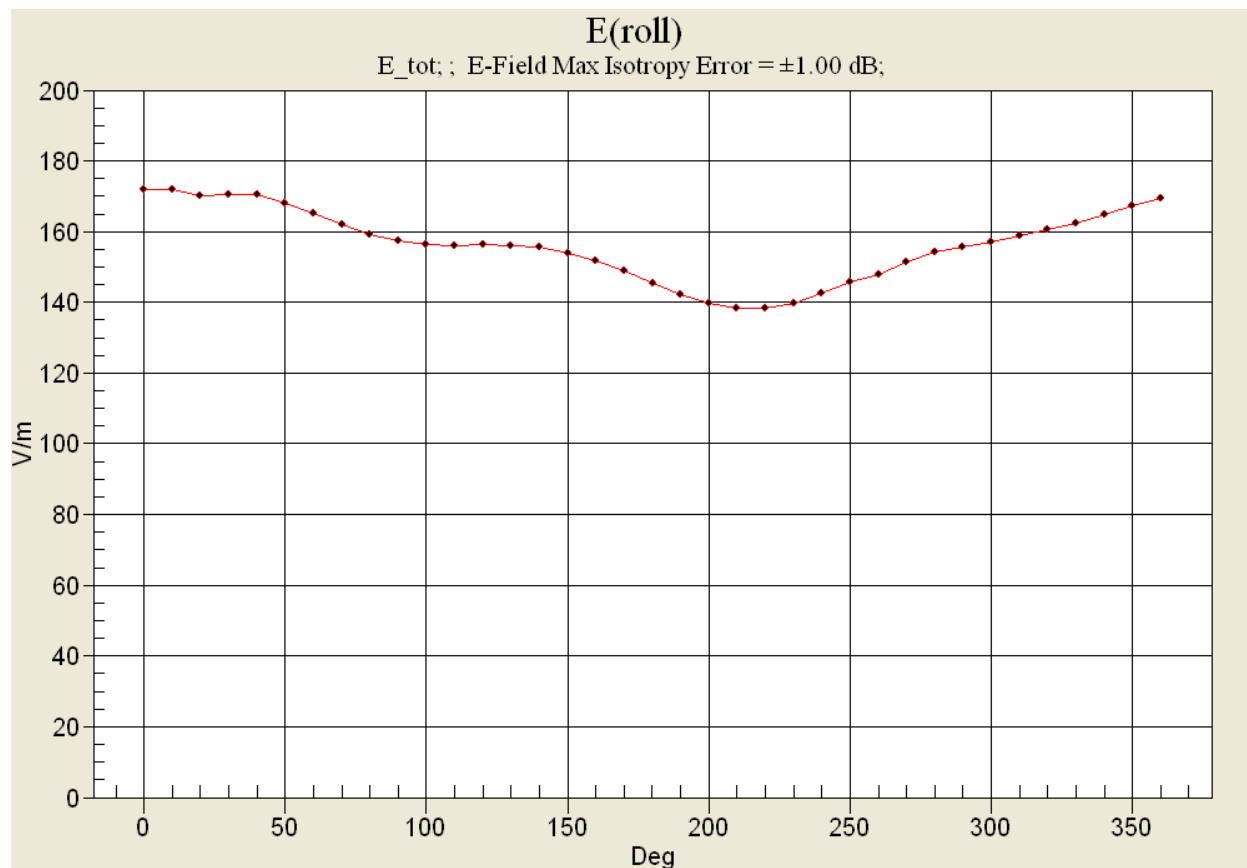
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
151.1 M4	155.6 M4	148.8 M4
Grid 4	Grid 5	Grid 6
84.2 M4	86.0 M4	81.4 M4
Grid 7	Grid 8	Grid 9
158.5 M4	170.9 M4	166.3 M4



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0

Validation E Field Probe SN2341, Dipole SN1015, 1900MHz

Date: 08/22/2012

S2150_Dual_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: 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

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 = 144.4 V/m

Probe Modulation Factor = 1.00

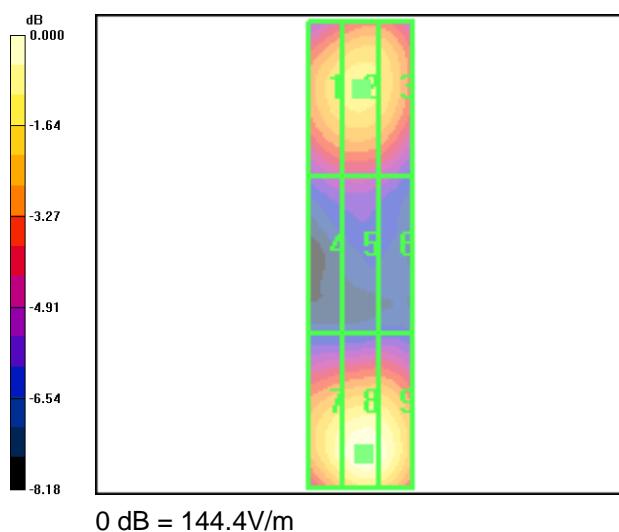
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 163.6 V/m; Power Drift = -0.045 dB

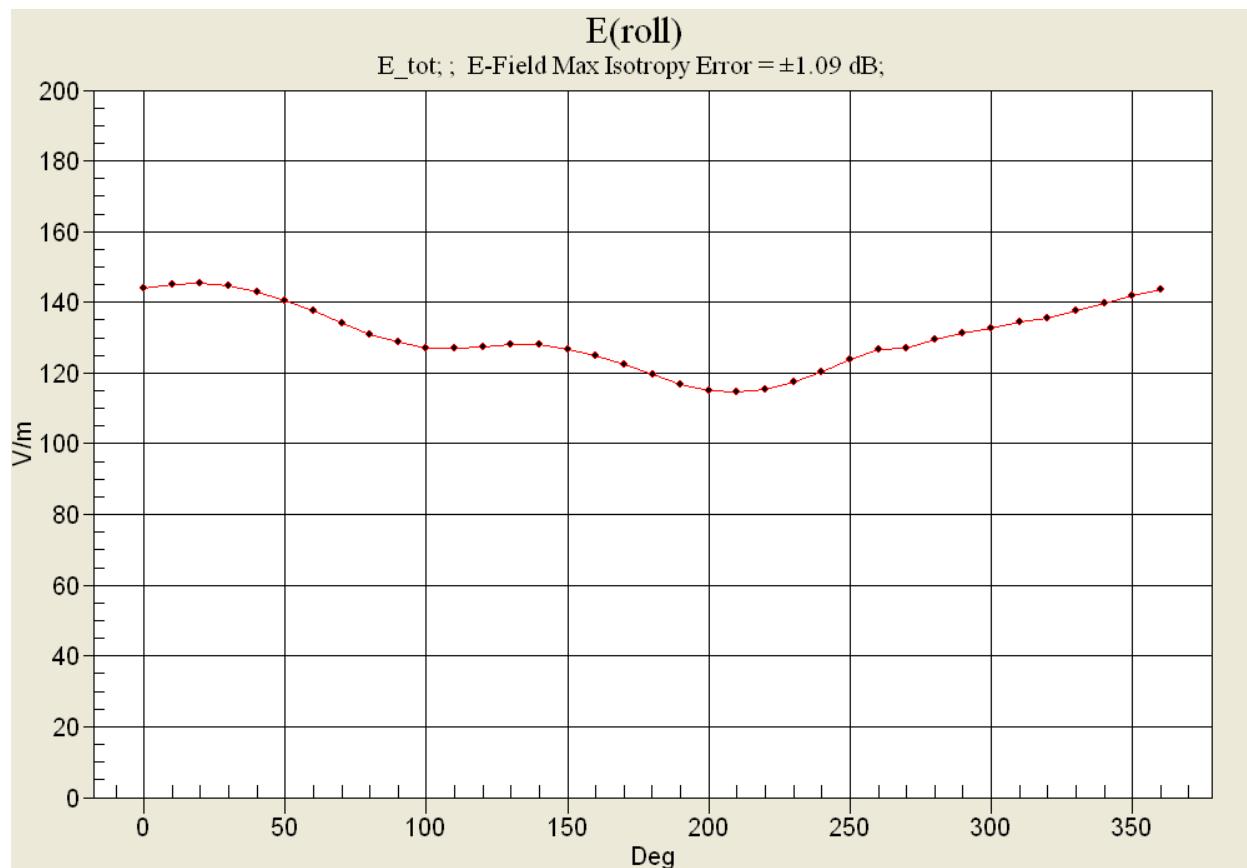
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

Grid 1 121.1 M2	Grid 2 124.2 M2	Grid 3 120.6 M2
Grid 4 84.2 M3	Grid 5 85.1 M3	Grid 6 81.5 M3
Grid 7 134.6 M2	Grid 8 144.4 M2	Grid 9 140.8 M2



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0

Validation H Field Probe SN6029, Dipole SN1015, 835MHz

Date: 08/22/2012

S2150_Dual_H_Dipole_835

Communication System: CW, Frequency: 835 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: 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

H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.469 A/m

Probe Modulation Factor = 1.00

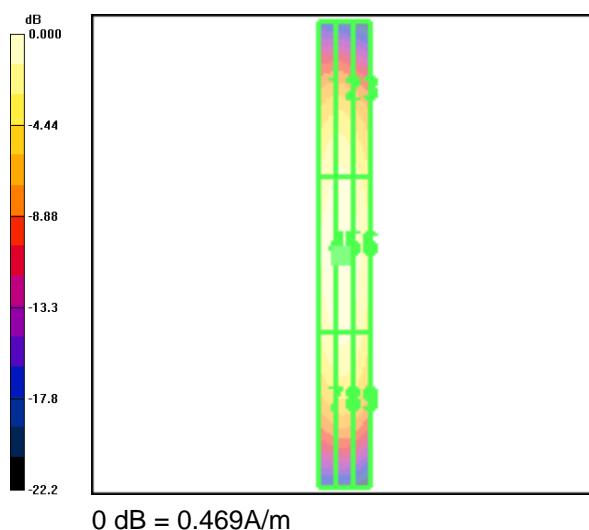
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.513 A/m; Power Drift = -0.139 dB

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

Peak H-field in A/m

Grid 1 0.404 M4	Grid 2 0.411 M4	Grid 3 0.370 M4
Grid 4 0.457 M4	Grid 5 0.469 M4	Grid 6 0.429 M4
Grid 7 0.404 M4	Grid 8 0.417 M4	Grid 9 0.389 M4



Applicant:	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-20RFB-0812-R0

Validation H Field Probe SN6029, Dipole SN1015, 1900MHz

Date: 08/22/2012

S2150_Dual_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: 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

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 = 0.467 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.517 A/m; Power Drift = -0.108 dB

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

Peak H-field in A/m

Grid 1 0.414 M2	Grid 2 0.426 M2	Grid 3 0.401 M2
Grid 4 0.453 M2	Grid 5 0.467 M2	Grid 6 0.440 M2
Grid 7 0.422 M2	Grid 8 0.437 M2	Grid 9 0.409 M2

