



Applicant:	Kyocera
FCC ID:	V65C5215
Report #:	CT- C5215-12B-0313

EXHIBIT 12 Appendix B: HAC RF VALIDATION PLOTS

Validation E Field Probe SN2341, Dipole SN1015, 835MHz

Date: 03/25/2013

C5215_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 - SN2341, ConvF(1, 1, 1), Calibrated: 9/14/2012

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 °C ± 1 deg C, Liquid T = 22.0 °C ± 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 = 159.1 V/m

Probe Modulation Factor = 1.00

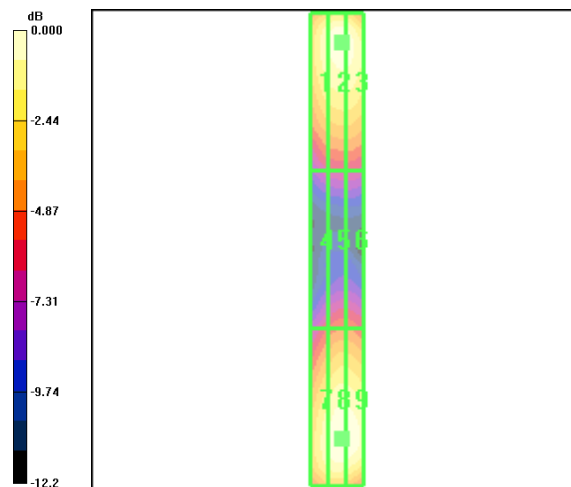
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 160.7 V/m; Power Drift = -0.176 dB

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

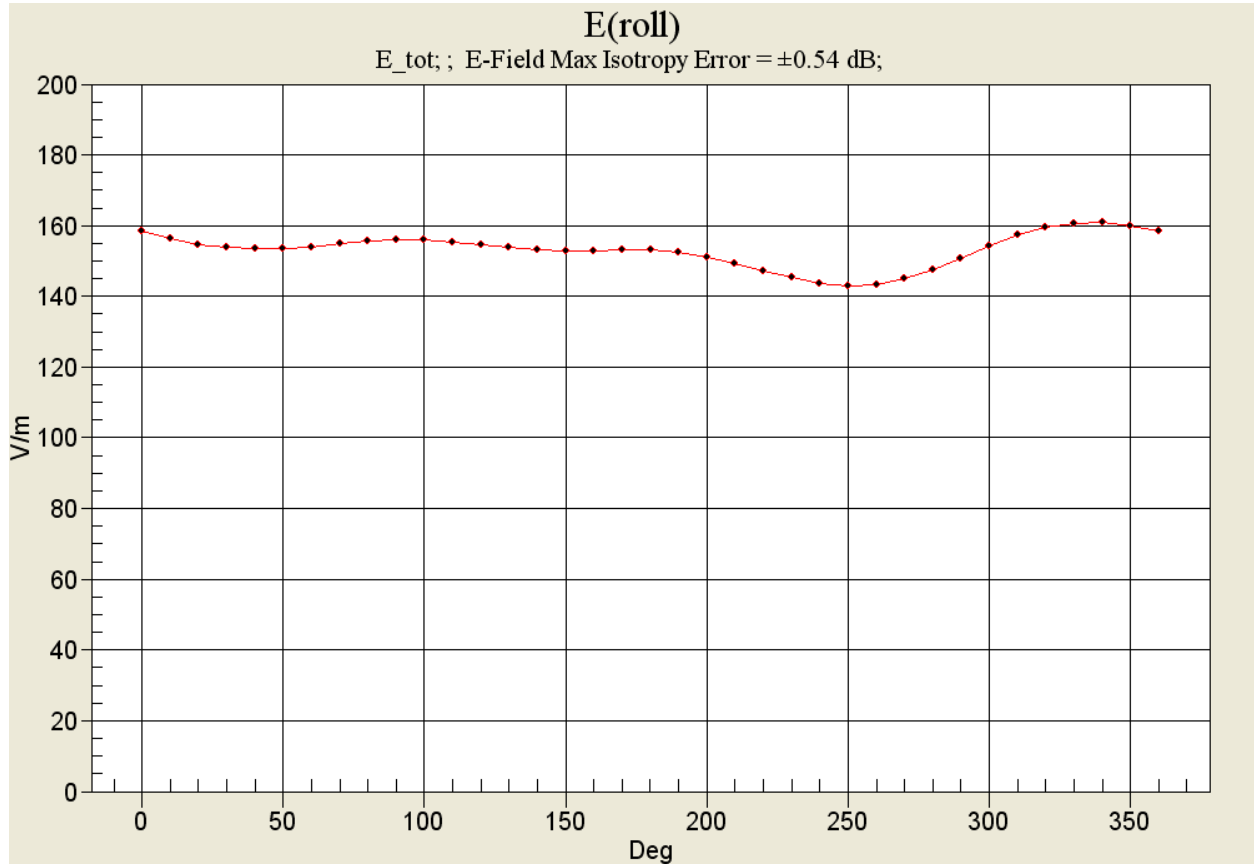
Peak E-field in V/m

Grid 1 144.8 M4	Grid 2 154.8 M4	Grid 3 153.6 M4
Grid 4 83.3 M4	Grid 5 91.3 M4	Grid 6 91.0 M4
Grid 7 144.3 M4	Grid 8 159.1 M4	Grid 9 157.8 M4





Applicant:	Kyocera
FCC ID:	V65C5215
Report #:	CT- C5215-20RFB-0313-R0



Validation E Field Probe SN2341, Dipole SN1015, 1900MHz

Date: 03/25/2013

C5215_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 - SN2341, ConvF(1, 1, 1), Calibrated: 9/14/2012

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 °C ± 1 deg C, Liquid T = 22.0 °C ± 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 = 136.7 V/m

Probe Modulation Factor = 1.00

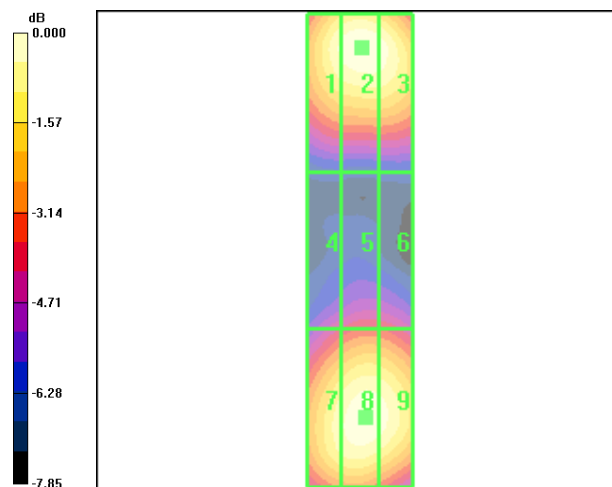
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 133.5 V/m; Power Drift = 0.050 dB

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

Peak E-field in V/m

Grid 1 130.9 M2	Grid 2 136.7 M2	Grid 3 133.9 M2
Grid 4 85.8 M3	Grid 5 91.5 M3	Grid 6 90.7 M3
Grid 7 127.5 M2	Grid 8 134.9 M2	Grid 9 132.8 M2



0 dB = 136.7V/m

Validation H Field Probe SN6123, Dipole SN1015, 835MHz

Date: 03/25/2013

C5215_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: H3DV5 - SN6029, , Calibrated: 9/14/2012

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 \pm 1 deg C, Liquid T = 22.0 \pm 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 = 0.448 A/m

Probe Modulation Factor = 1.00

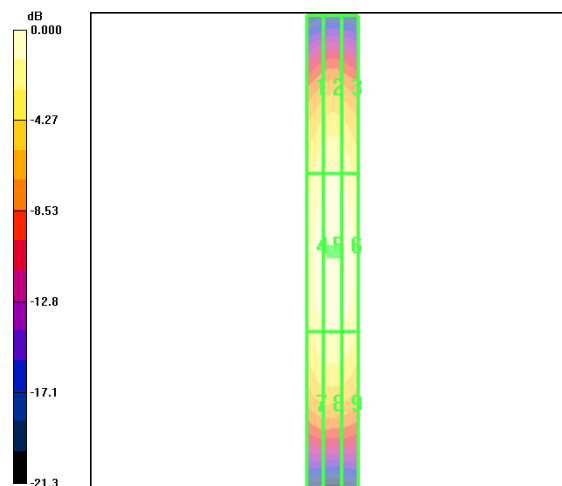
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.507 A/m; Power Drift = -0.062 dB

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

Peak H-field in A/m

Grid 1 0.376 M4	Grid 2 0.388 M4	Grid 3 0.372 M4
Grid 4 0.425 M4	Grid 5 0.448 M4	Grid 6 0.434 M4
Grid 7 0.374 M4	Grid 8 0.381 M4	Grid 9 0.374 M4



0 dB = 0.448A/m

Validation H Field Probe SN6123, Dipole SN1015, 1900MHz

Date: 03/25/2013

C5215_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: H3DV5 - SN6029, , Calibrated: 9/14/2012

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 \pm 1 deg C, Liquid T = 22.0 \pm 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 = 0.470 A/m

Probe Modulation Factor = 1.00

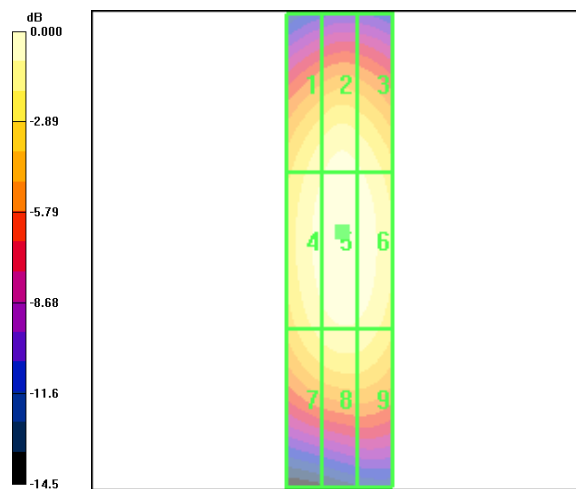
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.514 A/m; Power Drift = -0.032 dB

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

Peak H-field in A/m

Grid 1 0.414 M2	Grid 2 0.444 M2	Grid 3 0.428 M2
Grid 4 0.442 M2	Grid 5 0.470 M2	Grid 6 0.457 M2
Grid 7 0.393 M2	Grid 8 0.416 M2	Grid 9 0.410 M2



0 dB = 0.470A/m