



Applicant:	Kyocera
FCC ID:	V65E4255
Report #:	CT-E4277-20RFB-0412-R0

Exhibit 12 Appendix B: HAC RF Validation Plots

Validation E Field Probe SN2341, Dipole SN1015, 835MHz

Date: 05/02/2012

E4277_E_Dipole_835 MHz

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:

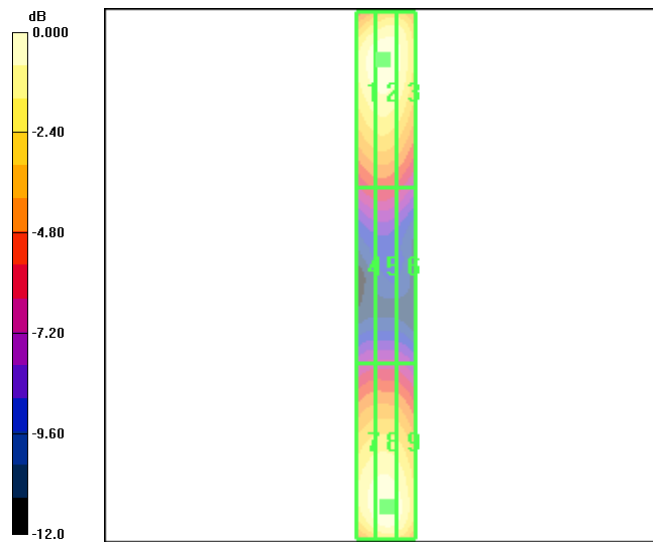
Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/13/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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 = 159.8 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 180.6 V/m; Power Drift = -0.017 dB

Peak E-field in V/m

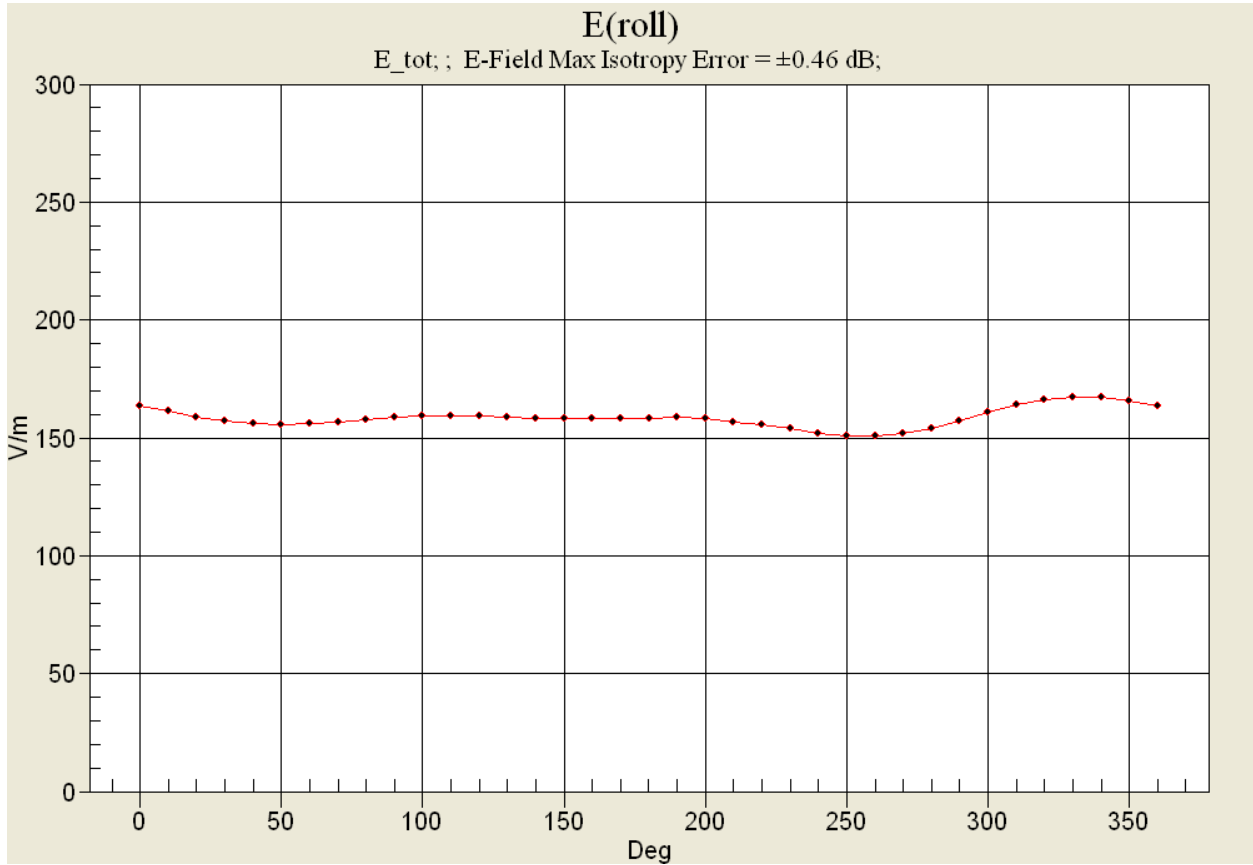
Grid 1 154.8 M4	Grid 2 156.5 M4	Grid 3 151.0 M4
Grid 4 84.9 M4	Grid 5 85.7 M4	Grid 6 81.0 M4
Grid 7 154.7 M4	Grid 8 159.8 M4	Grid 9 154.1 M4



0 dB = 159.8V/m



Applicant:	Kyocera
FCC ID:	V65E4255
Report #:	CT-E4277-20RFB-0412-R0



Validation E Field Probe SN2341, Dipole SN1015, 1900MHz

Date: 05/02/2012

E4277_E_Dipole_1880 MHz

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:

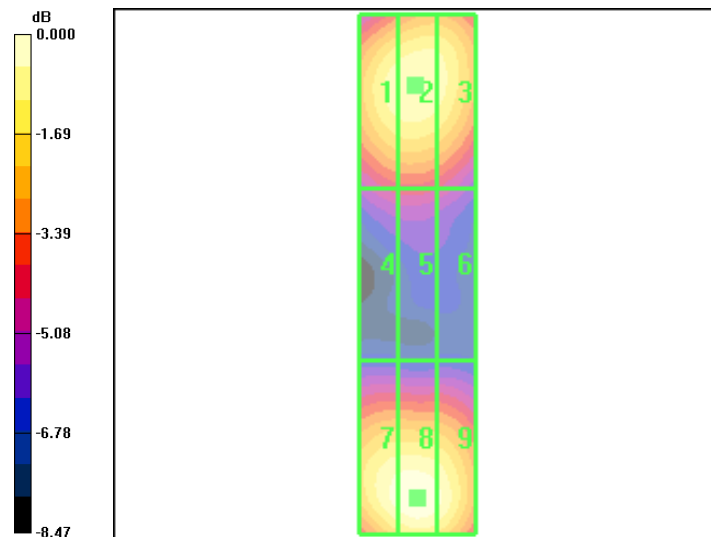
Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/13/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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 = 138.2 V/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 156.9 V/m; Power Drift = 0.058 dB

Peak E-field in V/m

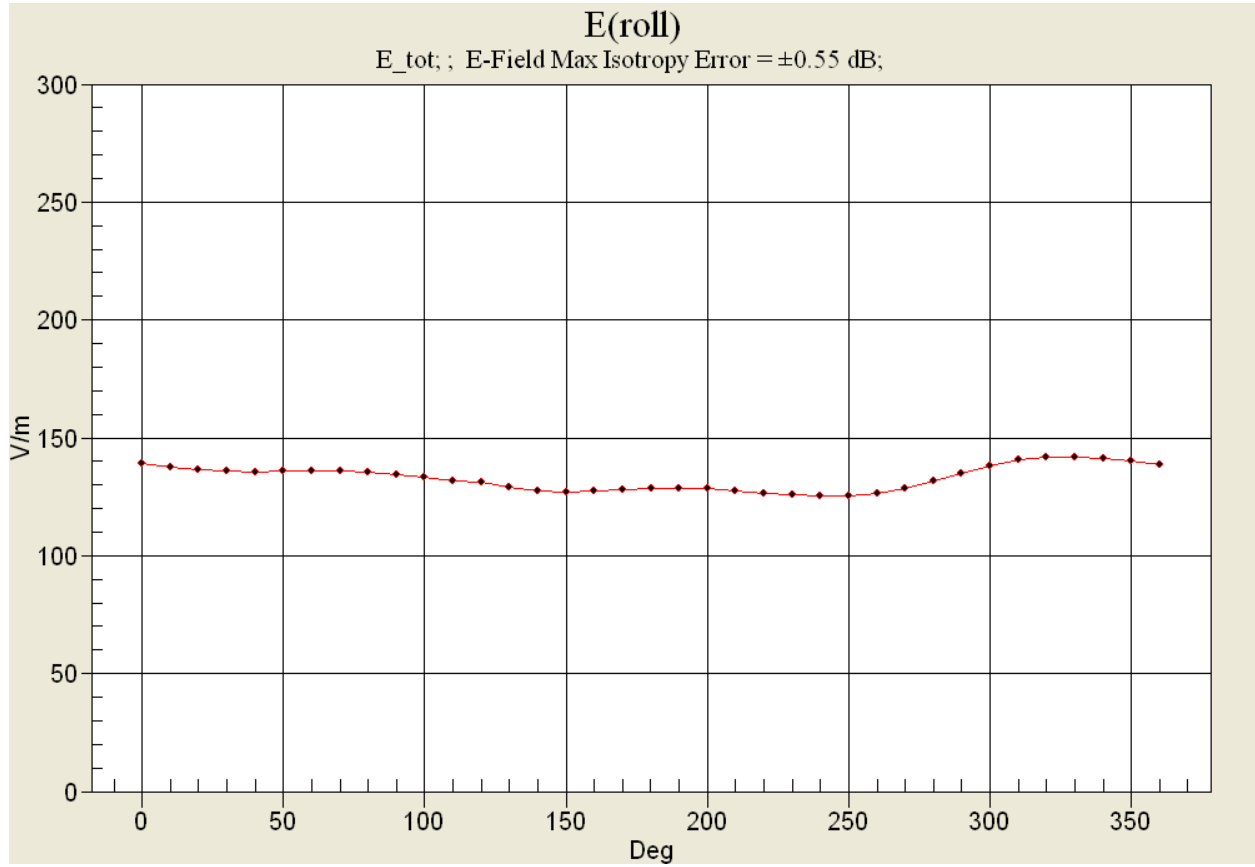
Grid 1 127.0 M2	Grid 2 129.3 M2	Grid 3 125.8 M2
Grid 4 85.3 M3	Grid 5 86.5 M3	Grid 6 82.5 M3
Grid 7 133.6 M2	Grid 8 138.2 M2	Grid 9 131.8 M2



0 dB = 138.2V/m



Applicant:	Kyocera
FCC ID:	V65E4255
Report #:	CT-E4277-20RFB-0412-R0



Validation H Field Probe SN6029, Dipole SN1015, 835MHz

Date: 04/10/2012

E4277 H_Dipole_835 MHz

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:

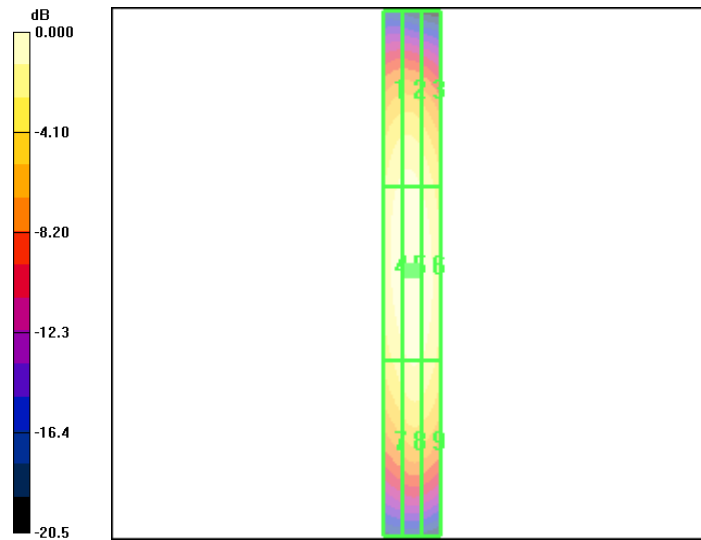
Probe: H3DV5 - SN6029, , Calibrated: 7/20/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/13/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

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 = 0.463 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 = 0.175 dB

Peak H-field in A/m

Grid 1 0.408 M4	Grid 2 0.417 M4	Grid 3 0.389 M4
Grid 4 0.442 M4	Grid 5 0.463 M4	Grid 6 0.443 M4
Grid 7 0.373 M4	Grid 8 0.402 M4	Grid 9 0.389 M4



0 dB = 0.463A/m

Validation H Field Probe SN6029, Dipole SN1015, 1900MHz

Date: 04/10/2012

E4277_H_Dipole_1880 MHz

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:

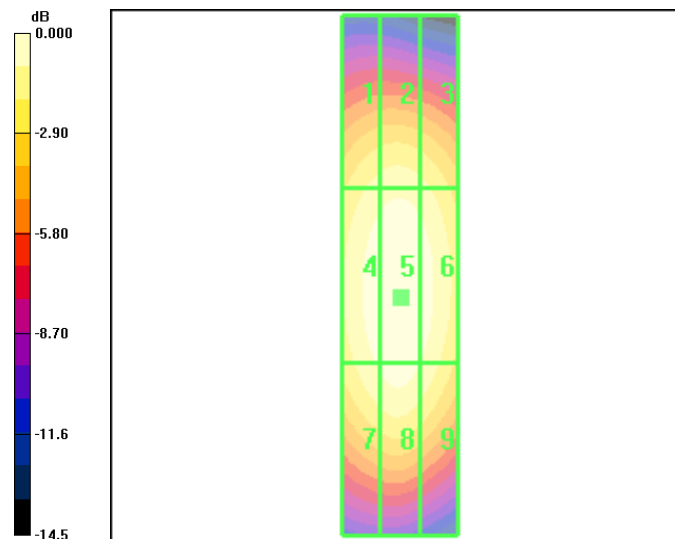
Probe: H3DV5 - SN6029, , Calibrated: 7/20/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/13/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

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 = 0.479 A/m
 Probe Modulation Factor = 1.00
 Device Reference Point: 0.000, 0.000, -6.30 mm
 Reference Value = 0.525 A/m; Power Drift = -0.043 dB

Peak H-field in A/m

Grid 1 0.405 M2	Grid 2 0.417 M2	Grid 3 0.400 M2
Grid 4 0.461 M2	Grid 5 0.479 M2	Grid 6 0.457 M2
Grid 7 0.436 M2	Grid 8 0.456 M2	Grid 9 0.429 M2



0 dB = 0.479A/m