

Applicant:	Kyocera
FCC ID:	V65C5155
Report #:	CT-C5155-20RFB-0412-R0

Exhibit 12 Appendix B: HAC RF Data Plot

Validation E Field Probe SN2341, Dipole SN1015, 835MHz

Date: 04/18/2012

C5155_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: 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

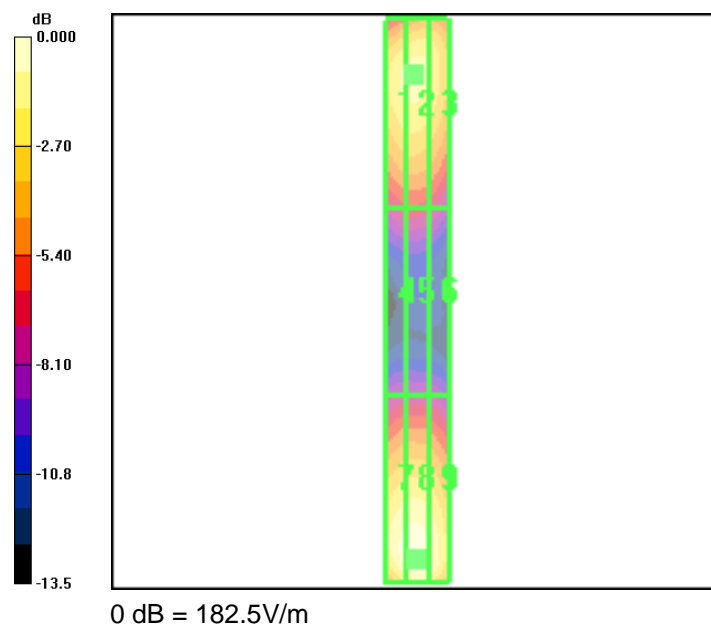
E Scan 835 - measurement distance from the probe sensor center to CD835 Dipole =
10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 182.5 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 198.2 V/m; Power Drift = -0.150 dB



Validation E Field Probe SN2341, Dipole SN1015, 1900MHz

Date: 04/18/2012

C5155_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: 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 \approx 22.0 1 deg C

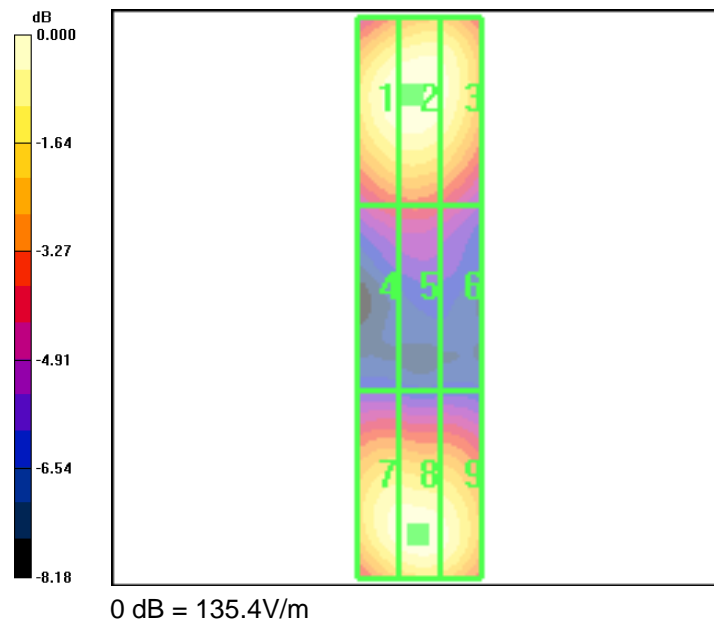
E Scan 1880 - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 135.4 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 155.8 V/m; Power Drift = -0.130 dB



Validation H Field Probe SN6029, Dipole SN1015, 835MHz

Date: 04/18/2012

C5155_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: 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 = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

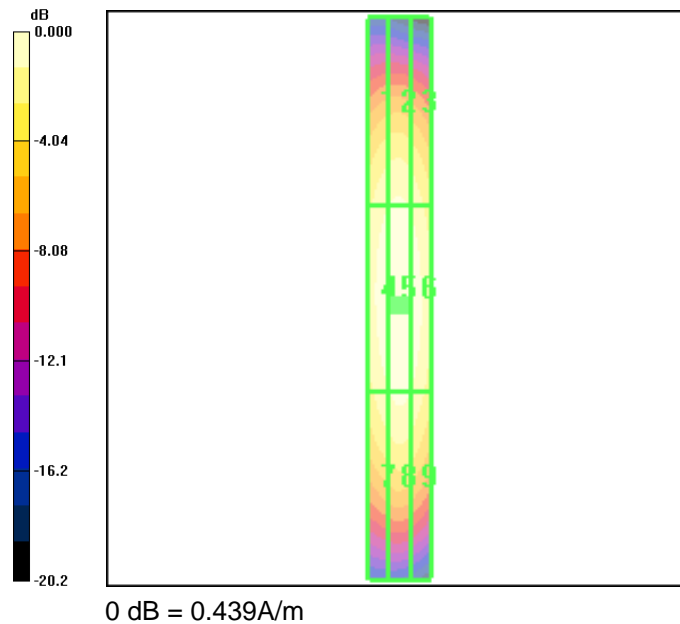
H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing
Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.439 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.490 A/m; Power Drift = -0.062 dB



Validation H Field Probe SN6029, Dipole SN1015, 1900MHz

Date: 04/18/2012

C5155_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: 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 = 21.8 +/- 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 = 0.501 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.545 A/m; Power Drift = 0.093 dB

