

APPENDIX C (DIPOLE VALIDATION)

Test Laboratory: HCT CO., LTD.
 Ambient Temperature 21.6 °C
 Test Date Oct. 12, 2013

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial:
Procedure Name: E Scan - measurement distance from the probe sensor center to CD835 = 10mm
 Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Phantom section: RF Section

DASY5 Configuration:

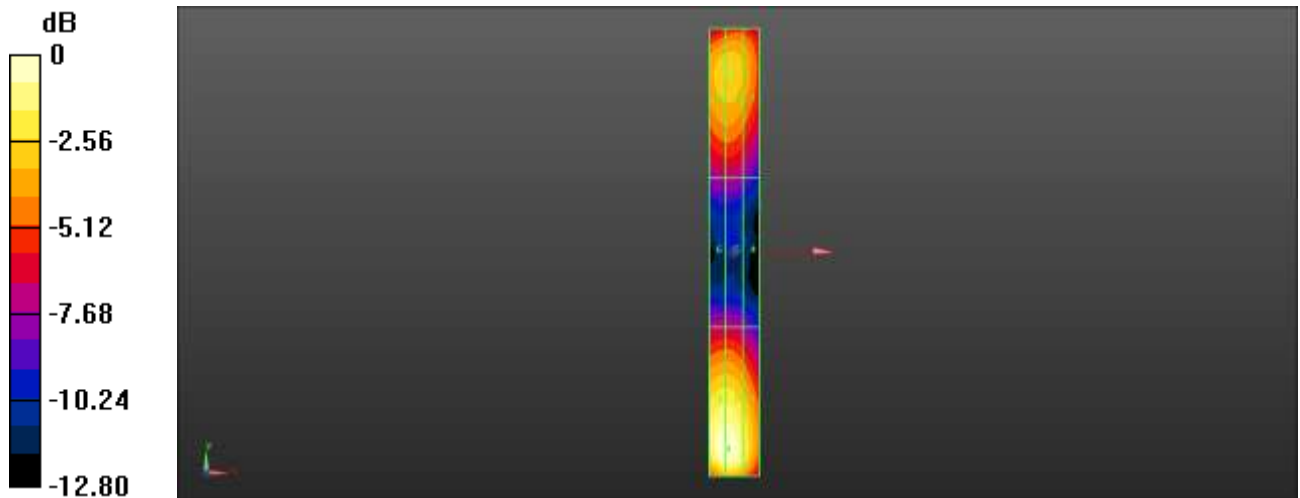
- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2013-03-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn652; Calibrated: 2013-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan - measurement distance from the probe sensor center to CD835 = 10mm/Hearing Aid Compatibility Test at 10mm distance (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 70.78 V/m; Power Drift = 0.01 dB
 Applied MIF = 0.00 dB
 RF audio interference level = 41.97 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 M3 40.49 dBV/m	Grid 2 M3 41.97 dBV/m	Grid 3 M3 41.94 dBV/m
Grid 4 M4 34.13 dBV/m	Grid 5 M4 34.89 dBV/m	Grid 6 M4 34.89 dBV/m
Grid 7 M4 38.57 dBV/m	Grid 8 M4 39.16 dBV/m	Grid 9 M4 39.14 dBV/m

Cursor:
 Total = 41.97 dBV/m
 E Category: M3
 Location: -2.5, -79, 4.7 mm



0 dB = 125.4 V/m = 41.97 dBV/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature 21.6 °C
 Test Date Oct. 12, 2013

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial:
 Procedure Name: E Scan – measurement distance from the probe sensor center to CD1880 = 10mm

Communication System: UID 0, CW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Phantom section: RF Section
 DASY5 Configuration:

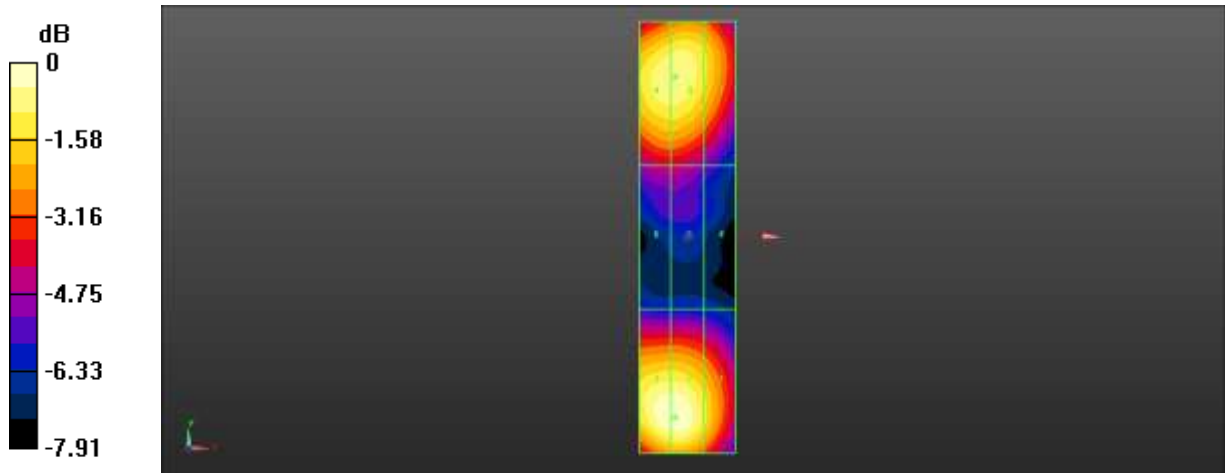
- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2013-03-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn652; Calibrated: 2013-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – measurement distance from the probe sensor center to CD1880 = 10mm/Hearing Aid Compatibility Test at 10mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 94.80 V/m; Power Drift = 0.02 dB
 Applied MIF = 0.00 dB
 RF audio interference level = 39.70 dBV/m
Emission category: M2

MIF scaled E-field

Grid 1 M2 38.39 dBV/m	Grid 2 M2 39.7 dBV/m	Grid 3 M2 39.67 dBV/m
Grid 4 M3 34.59 dBV/m	Grid 5 M2 35.53 dBV/m	Grid 6 M2 35.53 dBV/m
Grid 7 M2 38.32 dBV/m	Grid 8 M2 39.14 dBV/m	Grid 9 M2 39.13 dBV/m

Cursor:
 Total = 39.70 dBV/m
 E Category: M2
 Location: -2.5, -37.5, 4.7 mm



0 dB = 96.60 V/m = 39.70 dBV/m