

## **APPENDIX A. HAC TEST PLOTS**

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Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 1013

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 54.61 V/m; Power Drift = 0.01 dB

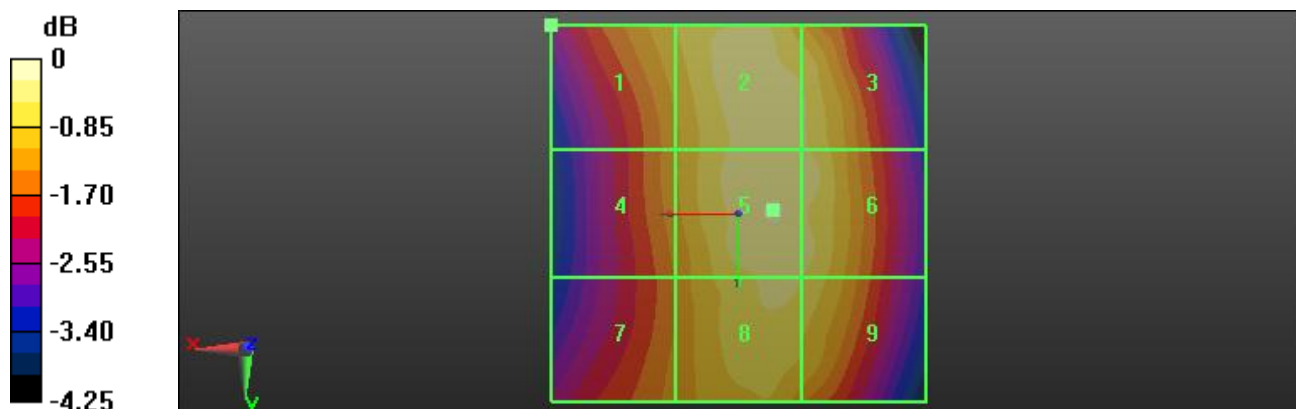
PMR not calibrated. PMF = 0.9720 is applied.

E-field emissions = 42.91 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
40.01 V/m	42.65 V/m	41.76 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
38.55 V/m	42.91 V/m	42.30 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
38.01 V/m	42.02 V/m	41.37 V/m



0 dB = 44.15 V/m = 32.90 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 386

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 67.07 V/m; Power Drift = -0.03 dB

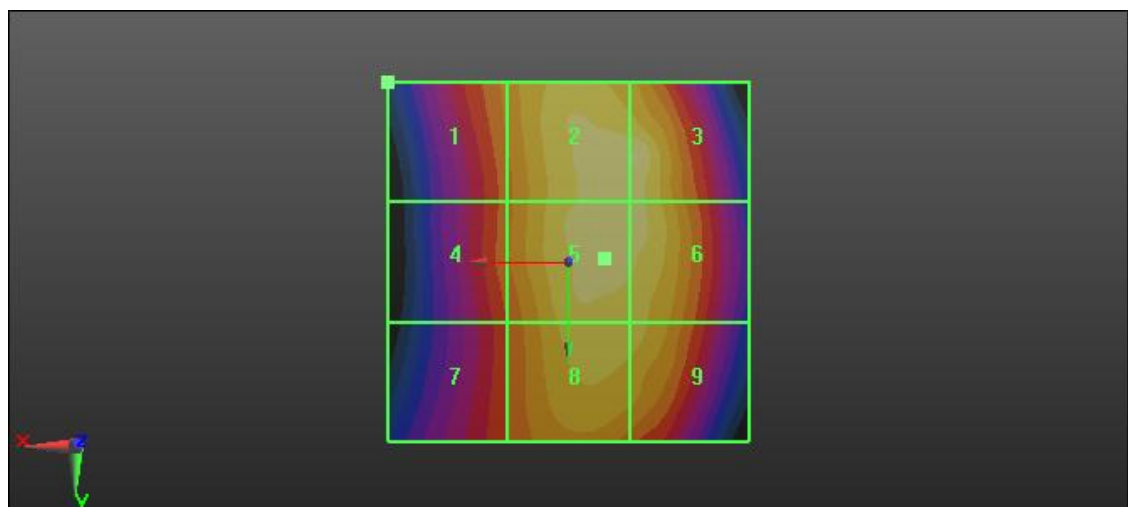
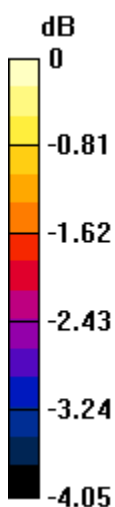
PMR not calibrated. PMF = 0.9720 is applied.

E-field emissions = 52.85 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
47.09 V/m	52.78 V/m	52.85 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
46.35 V/m	52.21 V/m	52.05 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
45.14 V/m	51.06 V/m	50.49 V/m



0 dB = 54.37 V/m = 34.71 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 777

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.91 V/m; Power Drift = 0.10 dB

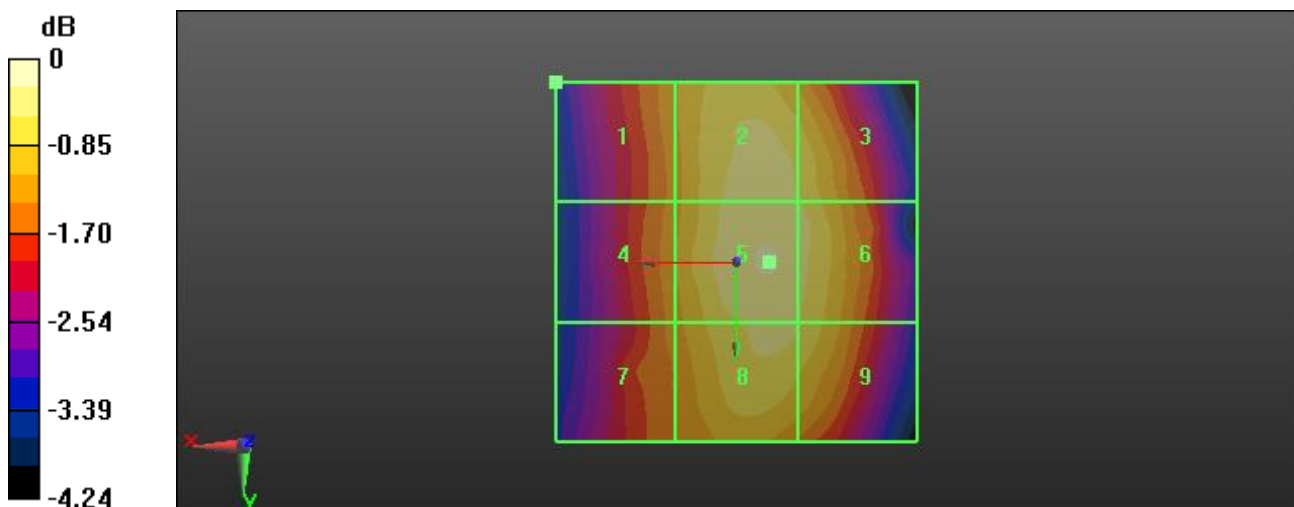
PMR not calibrated. PMF = 0.9720 is applied.

E-field emissions = 51.81 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
46.60 V/m	51.12 V/m	50.06 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
46.78 V/m	51.81 V/m	50.68 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
46.18 V/m	50.84 V/m	50.06 V/m



0 dB = 53.30 V/m = 34.53 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 384  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

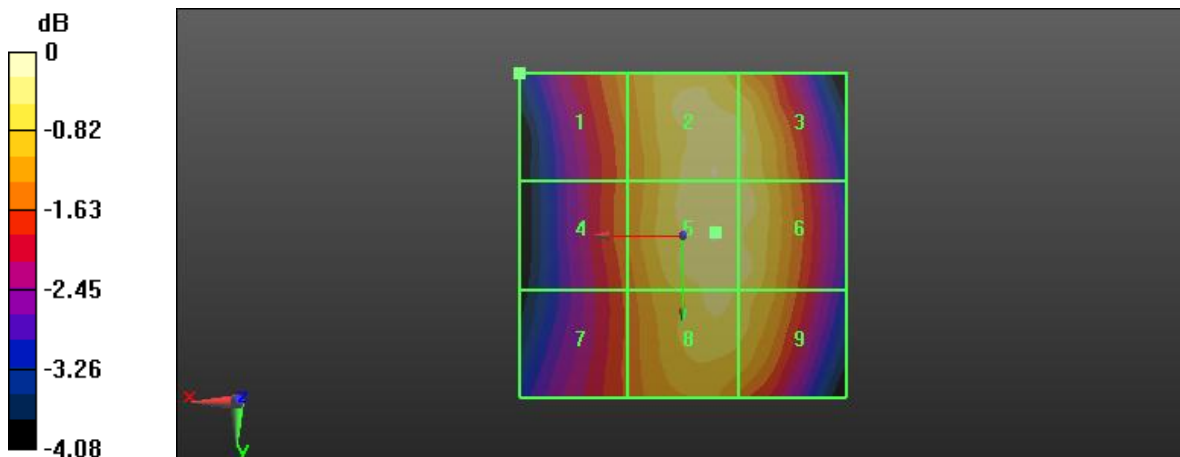
DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 67.39 V/m; Power Drift = -0.06 dB  
PMR not calibrated. PMF = 0.9720 is applied.  
E-field emissions = 52.76 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 47.50 V/m	Grid 2 M4 52.65 V/m	Grid 3 M4 51.61 V/m
Grid 4 M4 46.61 V/m	Grid 5 M4 52.76 V/m	Grid 6 M4 52.26 V/m
Grid 7 M4 45.56 V/m	Grid 8 M4 51.52 V/m	Grid 9 M4 50.82 V/m



0 dB = 54.28 V/m = 34.69 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 384  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

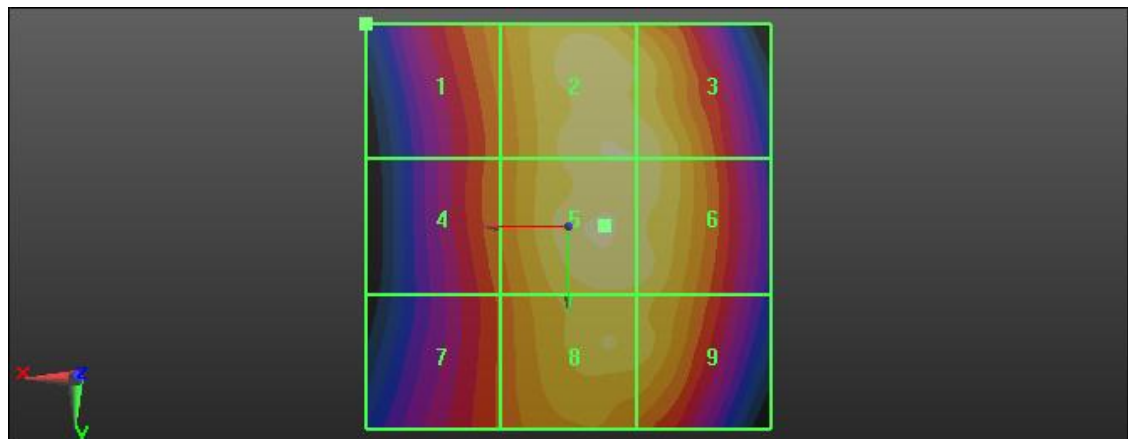
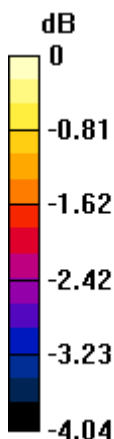
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 68.03 V/m; Power Drift = -0.08 dB  
PMR not calibrated. PMF = 0.9720 is applied.  
E-field emissions = 53.07 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 47.95 V/m	Grid 2 M4 53.05 V/m	Grid 3 M4 52.90 V/m
Grid 4 M4 46.94 V/m	Grid 5 M4 53.07 V/m	Grid 6 M4 52.87 V/m
Grid 7 M4 45.75 V/m	Grid 8 M4 51.46 V/m	Grid 9 M4 50.79 V/m



0 dB = 54.60 V/m = 34.74 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 25

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.65 V/m; Power Drift = -0.02 dB

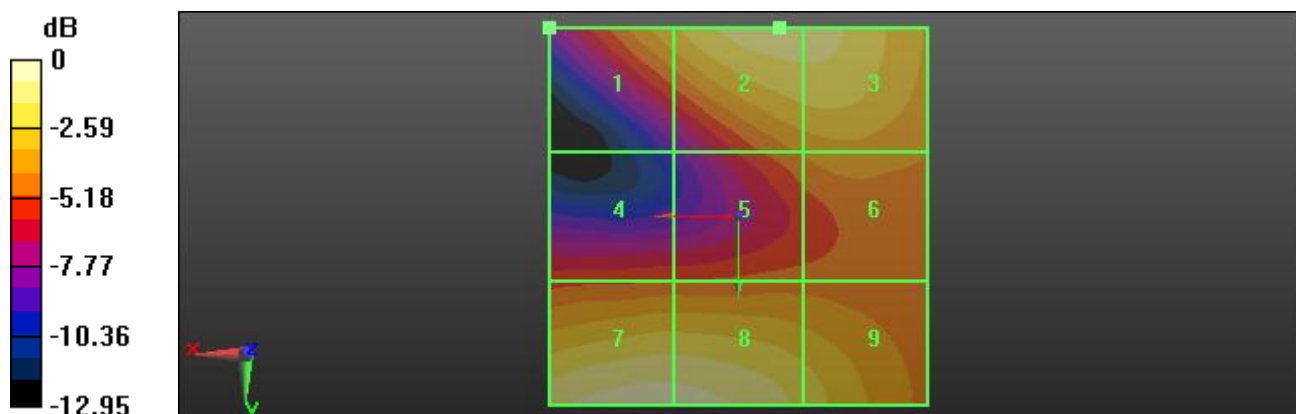
PMR not calibrated. PMF = 0.9660 is applied.

E-field emissions = 50.66 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
38.83 V/m	45.93 V/m	45.78 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
29.17 V/m	32.49 V/m	34.21 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
50.66 V/m	50.39 V/m	41.54 V/m



0 dB = 52.44 V/m = 34.39 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 600

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.93 V/m; Power Drift = -0.03 dB

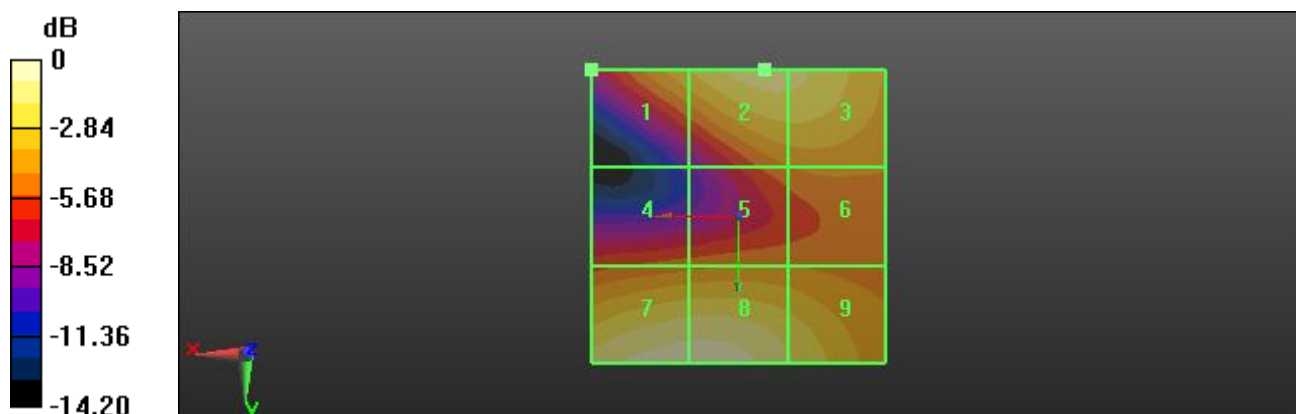
PMR not calibrated. PMF = 0.9660 is applied.

E-field emissions = 49.37 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
36.93 V/m	43.45 V/m	42.76 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
28.74 V/m	30.04 V/m	30.88 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
49.36 V/m	49.37 V/m	42.02 V/m



0 dB = 51.11 V/m = 34.17 dB V/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 1175

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.53 V/m; Power Drift = 0.02 dB

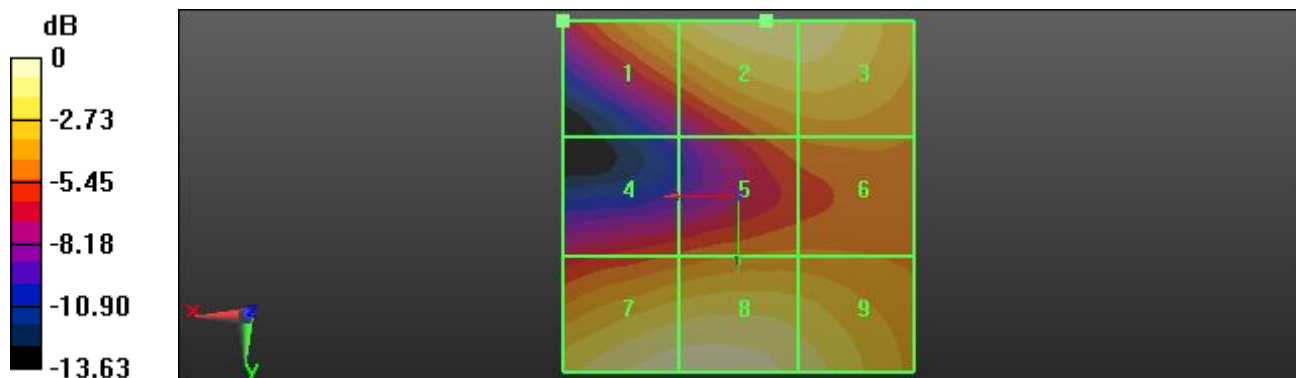
PMR not calibrated. PMF = 0.9660 is applied.

E-field emissions = 46.99 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
37.96 V/m	43.54 V/m	42.89 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
26.64 V/m	29.88 V/m	30.30 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
46.84 V/m	46.99 V/m	42.51 V/m



0 dB = 48.64 V/m = 33.74 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 25  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

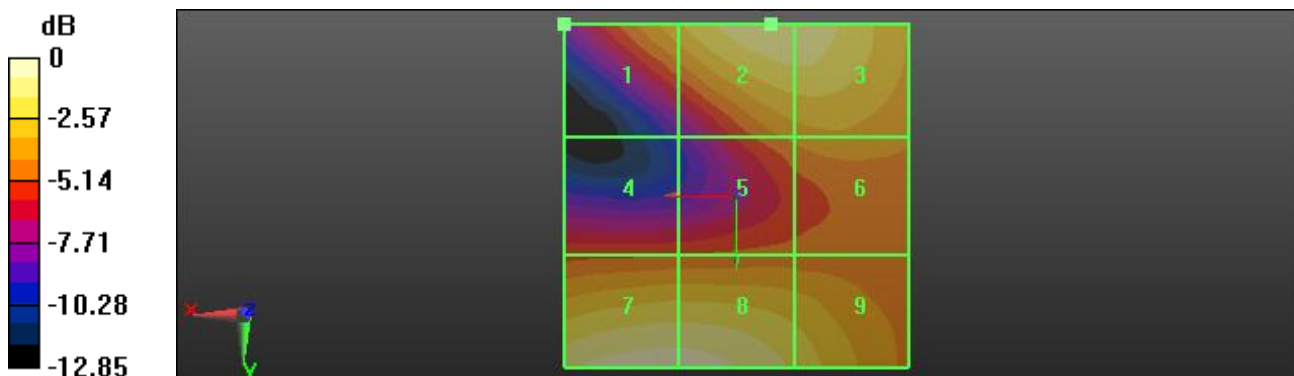
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 25.48 V/m; Power Drift = -0.08 dB  
PMR not calibrated. PMF = 0.9660 is applied.  
E-field emissions = 50.11 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 38.39 V/m	Grid 2 M4 46.07 V/m	Grid 3 M4 45.38 V/m
Grid 4 M4 28.73 V/m	Grid 5 M4 32.69 V/m	Grid 6 M4 34.23 V/m
Grid 7 M4 50.11 V/m	Grid 8 M4 49.99 V/m	Grid 9 M4 41.61 V/m



0 dB = 51.88 V/m = 34.30 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 25  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

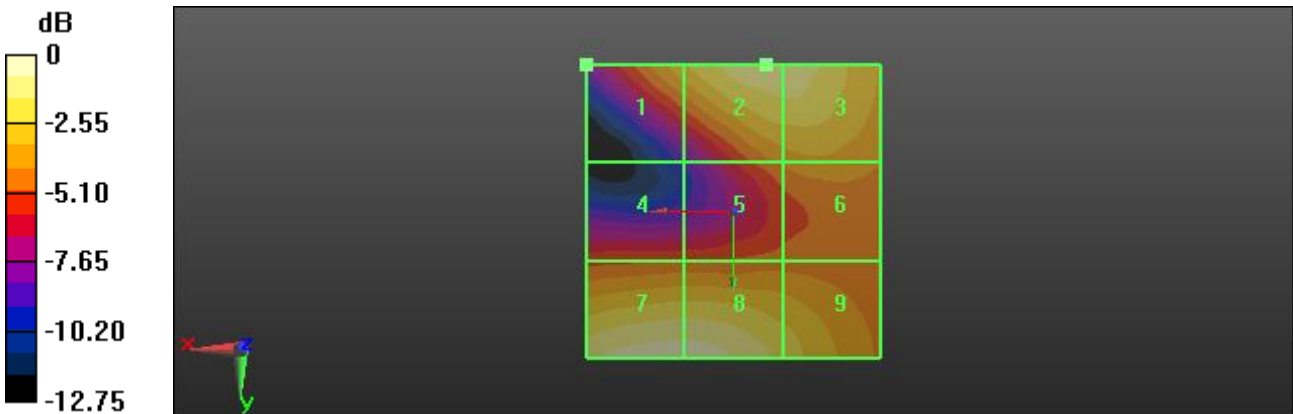
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 24.90 V/m; Power Drift = 0.08 dB  
PMR not calibrated. PMF = 0.9660 is applied.  
E-field emissions = 49.62 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 37.78 V/m	Grid 2 M4 45.34 V/m	Grid 3 M4 44.52 V/m
Grid 4 M4 28.73 V/m	Grid 5 M4 32.40 V/m	Grid 6 M4 33.98 V/m
Grid 7 M4 49.62 V/m	Grid 8 M4 49.49 V/m	Grid 9 M4 40.71 V/m



0 dB = 51.36 V/m = 34.21 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 128

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 59.59 V/m; Power Drift = -0.14 dB

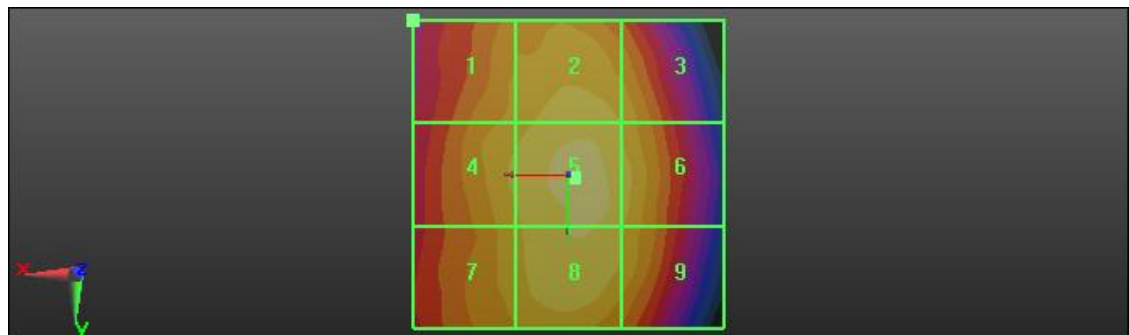
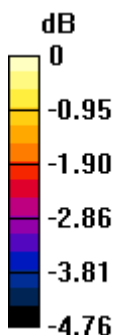
PMR not calibrated. PMF = 2.723 is applied.

E-field emissions = 125.8 V/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
117.2 V/m	122.4 V/m	119.1 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
120.4 V/m	125.8 V/m	121.8 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
118.5 V/m	124.1 V/m	119.8 V/m



0 dB = 133.1 V/m = 42.48 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 190

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.61 V/m; Power Drift = -0.04 dB

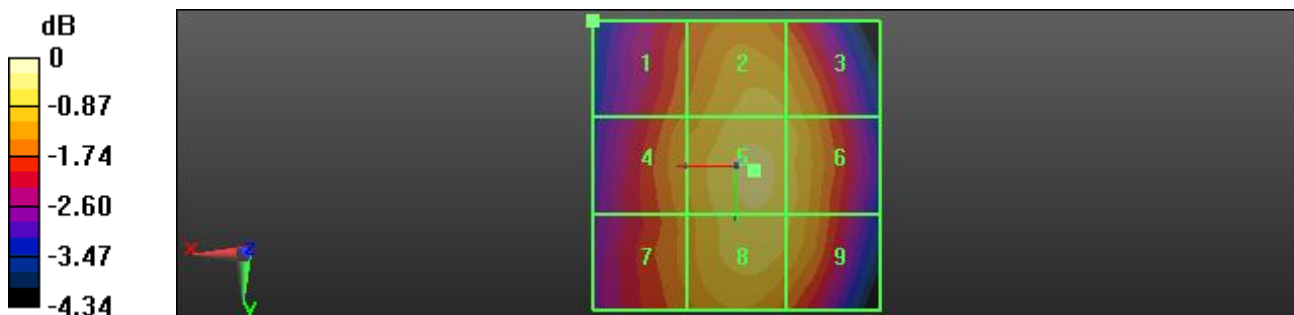
PMR not calibrated. PMF = 2.723 is applied.

E-field emissions = 142.9 V/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
129.5 V/m	140.3 V/m	137.3 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
133.4 V/m	142.9 V/m	140.1 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
130.8 V/m	141.1 V/m	138.5 V/m



0 dB = 151.2 V/m = 43.59 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 251

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 56.60 V/m; Power Drift = -0.09 dB

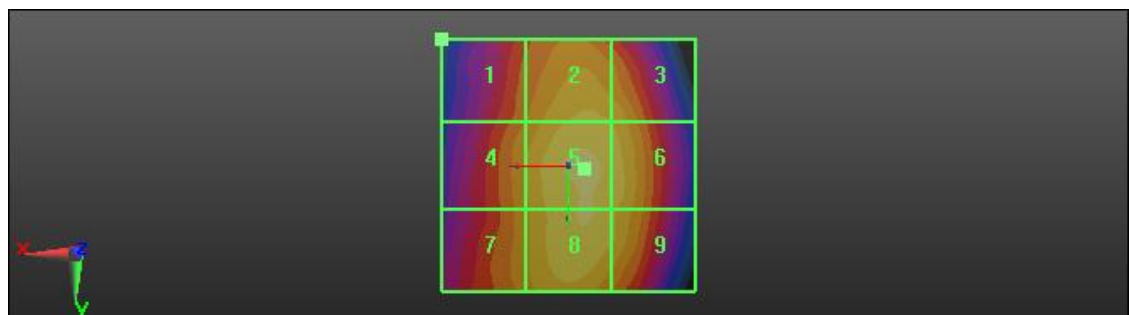
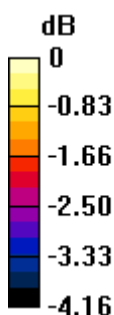
PMR not calibrated. PMF = 2.723 is applied.

E-field emissions = 121.6 V/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
109.8 V/m	118.3 V/m	117.0 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
113.4 V/m	121.6 V/m	119.9 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
112.7 V/m	121.1 V/m	118.4 V/m



0 dB = 128.7 V/m = 42.19 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 190  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

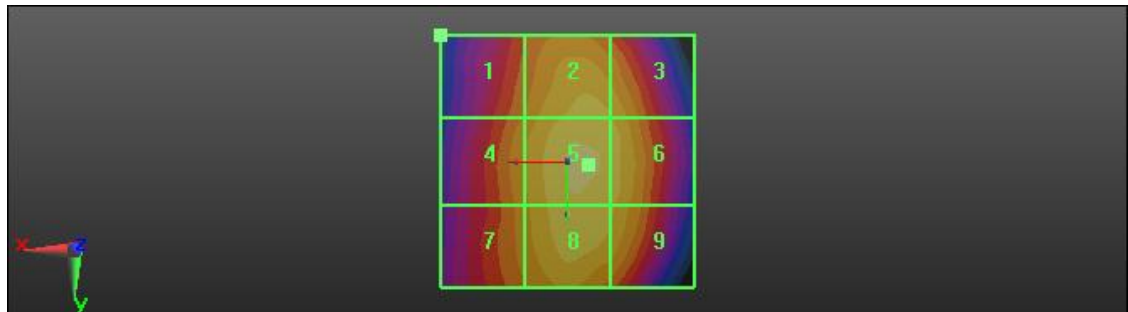
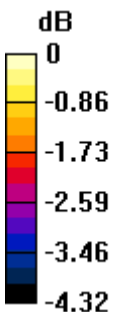
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 65.69 V/m; Power Drift = 0.11 dB  
PMR not calibrated. PMF = 2.723 is applied.  
E-field emissions = 143.2 V/m  
**Near-field category: M4 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M4 129.2 V/m	Grid 2 M4 140.0 V/m	Grid 3 M4 137.7 V/m
Grid 4 M4 133.3 V/m	Grid 5 M4 143.2 V/m	Grid 6 M4 139.9 V/m
Grid 7 M4 131.4 V/m	Grid 8 M4 141.4 V/m	Grid 9 M4 138.4 V/m



0 dB = 151.5 V/m = 43.61 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 190  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

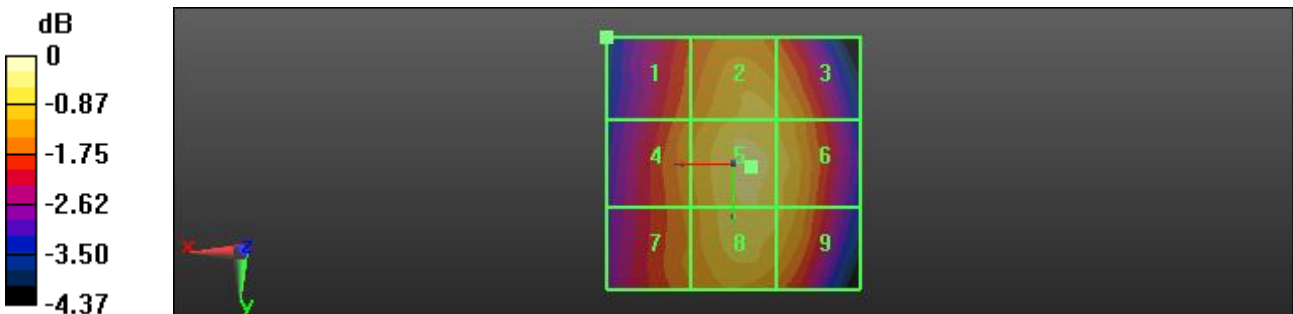
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 66.75 V/m; Power Drift = -0.05 dB  
PMR not calibrated. PMF = 2.723 is applied.  
E-field emissions = 143.1 V/m  
**Near-field category: M4 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M4 128.9 V/m	Grid 2 M4 139.7 V/m	Grid 3 M4 137.5 V/m
Grid 4 M4 132.1 V/m	Grid 5 M4 143.1 V/m	Grid 6 M4 140.5 V/m
Grid 7 M4 130.3 V/m	Grid 8 M4 141.8 V/m	Grid 9 M4 138.8 V/m



0 dB = 151.4 V/m = 43.60 dB V/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 512

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm**

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.19 V/m; Power Drift = 0.04 dB

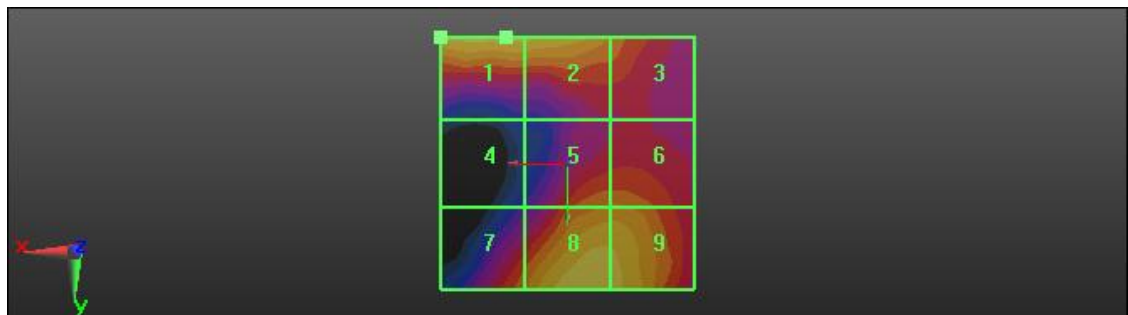
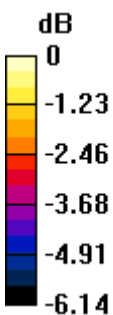
PMR not calibrated. PMF = 2.615 is applied.

E-field emissions = 70.29 V/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 68.77 V/m	Grid 2 M3 68.48 V/m	Grid 3 M3 60.71 V/m
Grid 4 M4 46.98 V/m	Grid 5 M3 61.66 V/m	Grid 6 M3 61.75 V/m
Grid 7 M3 61.10 V/m	Grid 8 M3 70.29 V/m	Grid 9 M3 68.66 V/m



0 dB = 77.44 V/m = 37.78 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 661

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm**

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.66 V/m; Power Drift = -0.14 dB

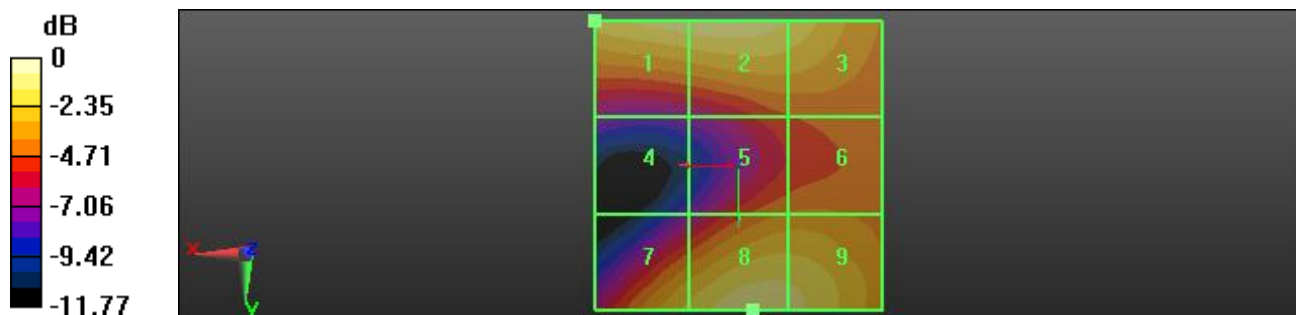
PMR not calibrated. PMF = 2.615 is applied.

E-field emissions = 65.52 V/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 64.49 V/m	Grid 2 M3 65.52 V/m	Grid 3 M3 60.27 V/m
Grid 4 M4 32.02 V/m	Grid 5 M4 46.61 V/m	Grid 6 M4 47.28 V/m
Grid 7 M3 56.86 V/m	Grid 8 M3 63.59 V/m	Grid 9 M3 62.16 V/m



0 dB = 72.19 V/m = 37.17 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 810

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.34 V/m; Power Drift = -0.16 dB

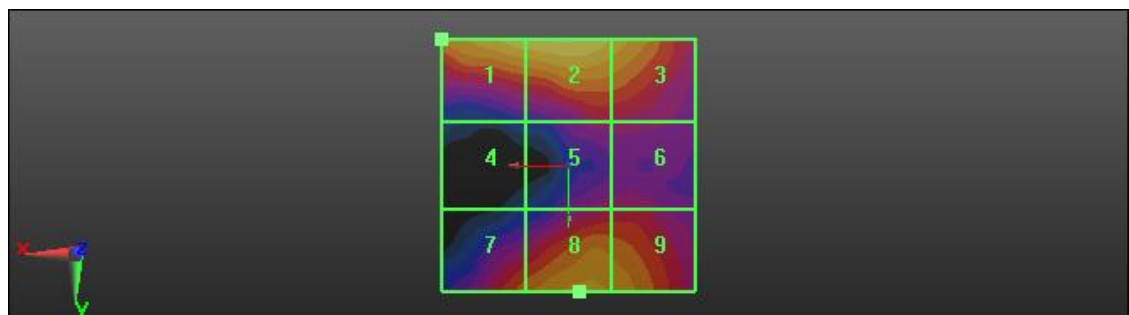
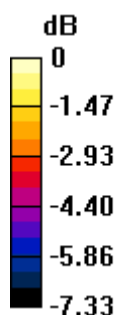
PMR not calibrated. PMF = 2.615 is applied.

E-field emissions = 72.27 V/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 71.07 V/m	Grid 2 M3 72.27 V/m	Grid 3 M3 67.24 V/m
Grid 4 M4 41.89 V/m	Grid 5 M3 50.79 V/m	Grid 6 M3 51.19 V/m
Grid 7 M3 59.27 V/m	Grid 8 M3 64.81 V/m	Grid 9 M3 63.33 V/m



0 dB = 79.62 V/m = 38.02 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 810  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

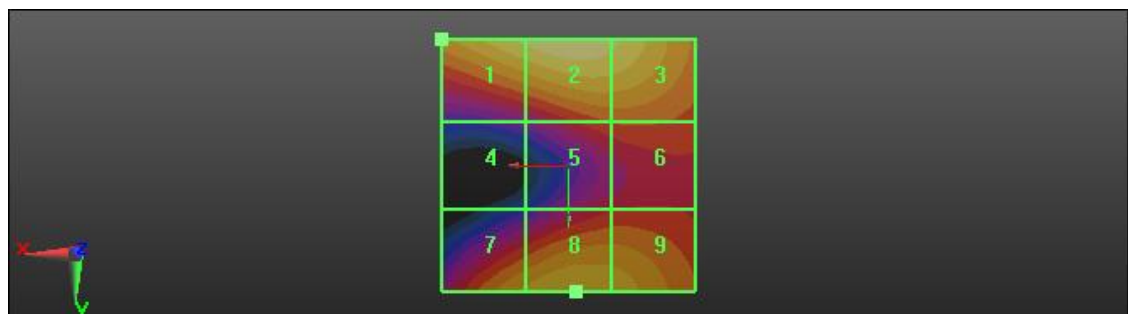
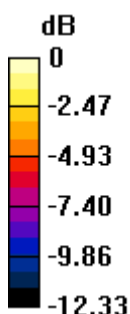
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 12.25 V/m; Power Drift = -0.07 dB  
PMR not calibrated. PMF = 2.615 is applied.  
E-field emissions = 71.94 V/m  
**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 68.04 V/m	Grid 2 M3 71.94 V/m	Grid 3 M3 67.64 V/m
Grid 4 M4 33.20 V/m	Grid 5 M4 45.06 V/m	Grid 6 M4 45.80 V/m
Grid 7 M3 55.89 V/m	Grid 8 M3 59.79 V/m	Grid 9 M3 58.29 V/m



0 dB = 79.26 V/m = 37.98 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 810  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

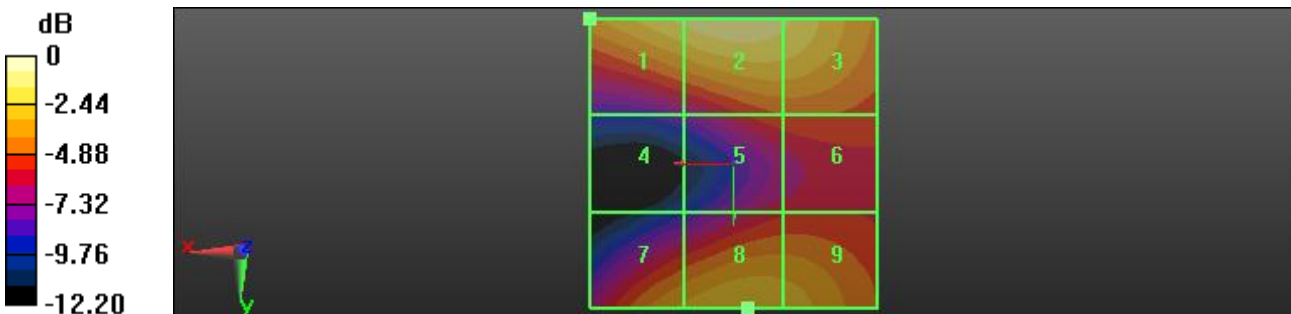
DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm**  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 12.26 V/m; Power Drift = -0.12 dB  
PMR not calibrated. PMF = 2.615 is applied.  
E-field emissions = 72.02 V/m  
**Near-field category: M3 (AWF -5 dB)**

PMF scaled E-field

Grid 1 M3 68.03 V/m	Grid 2 M3 72.02 V/m	Grid 3 M3 67.43 V/m
Grid 4 M4 33.20 V/m	Grid 5 M4 45.14 V/m	Grid 6 M4 45.80 V/m
Grid 7 M3 55.96 V/m	Grid 8 M3 60.08 V/m	Grid 9 M3 58.55 V/m



0 dB = 79.35 V/m = 37.99 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 4132

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 72.07 V/m; Power Drift = -0.11 dB

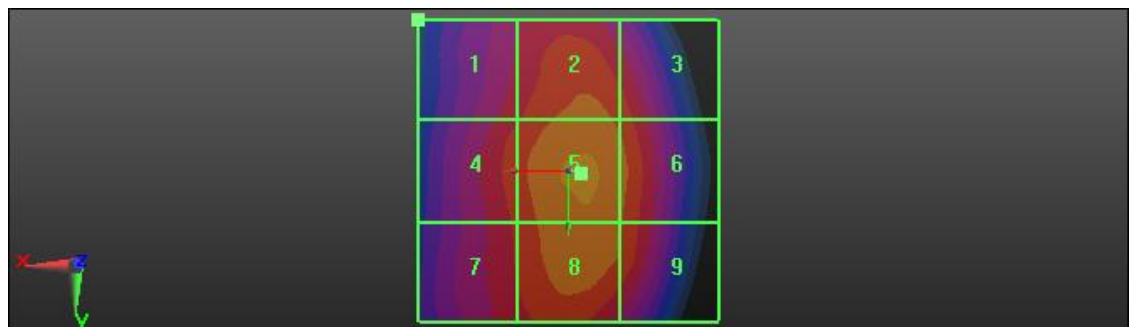
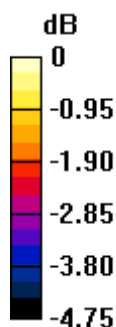
PMR not calibrated. PMF = 0.8390 is applied.

E-field emissions = 47.46 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
43.68 V/m	46.22 V/m	45.08 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
44.91 V/m	47.46 V/m	46.20 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
44.27 V/m	46.97 V/m	45.73 V/m



0 dB = 56.56 V/m = 35.05 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 4183

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 88.46 V/m; Power Drift = -0.11 dB

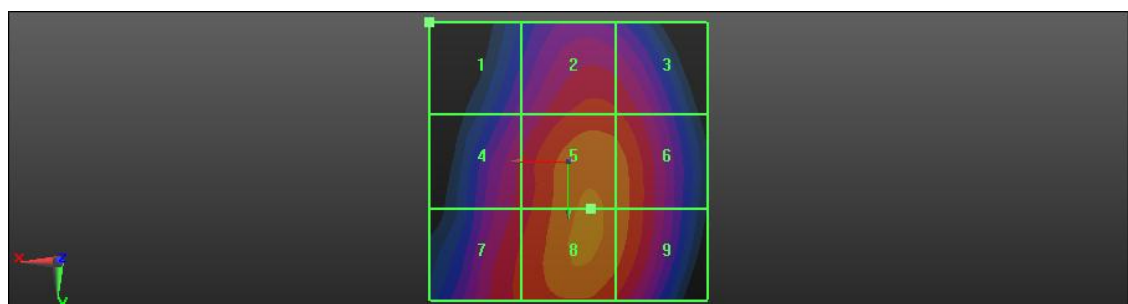
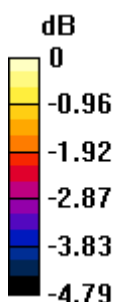
PMR not calibrated. PMF = 0.8390 is applied.

E-field emissions = 59.84 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
50.50 V/m	56.27 V/m	55.67 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
54.30 V/m	59.68 V/m	58.77 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
55.83 V/m	59.84 V/m	58.79 V/m



0 dB = 71.33 V/m = 37.07 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 4233

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 75.58 V/m; Power Drift = 0.03 dB

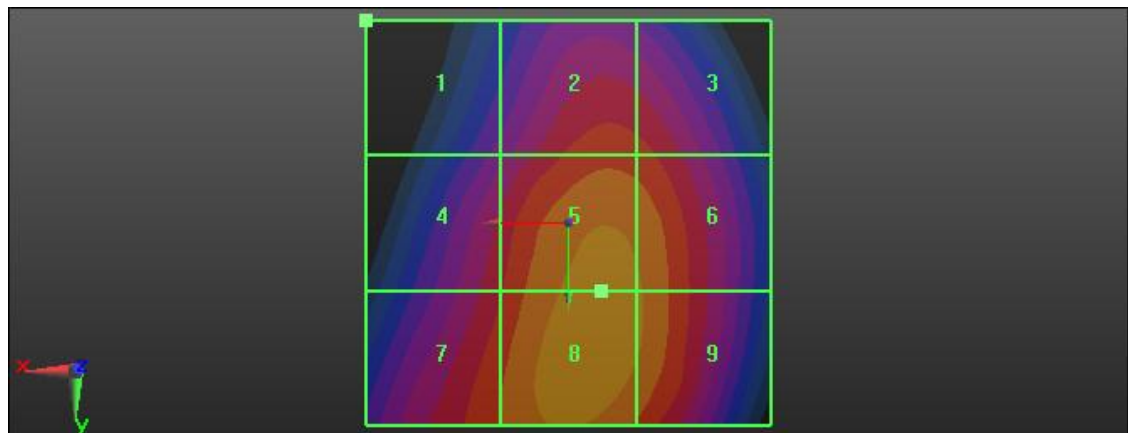
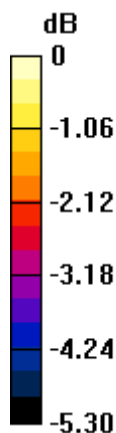
PMR not calibrated. PMF = 0.8390 is applied.

E-field emissions = 52.18 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
42.36 V/m	48.10 V/m	47.66 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
46.62 V/m	51.79 V/m	51.04 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
48.75 V/m	52.18 V/m	51.13 V/m



0 dB = 62.19 V/m = 35.87 dB V/m



Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 4183  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

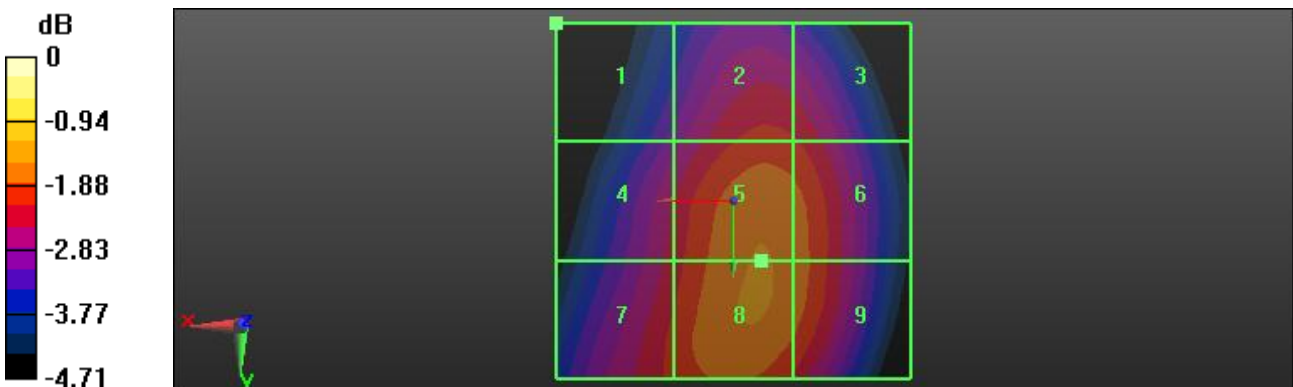
DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm**  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 88.83 V/m; Power Drift = -0.09 dB  
PMR not calibrated. PMF = 0.8390 is applied.  
E-field emissions = 59.69 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 50.40 V/m	Grid 2 M4 56.10 V/m	Grid 3 M4 55.52 V/m
Grid 4 M4 54.27 V/m	Grid 5 M4 59.57 V/m	Grid 6 M4 58.64 V/m
Grid 7 M4 55.91 V/m	Grid 8 M4 59.69 V/m	Grid 9 M4 58.67 V/m



0 dB = 71.15 V/m = 37.04 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 4183  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

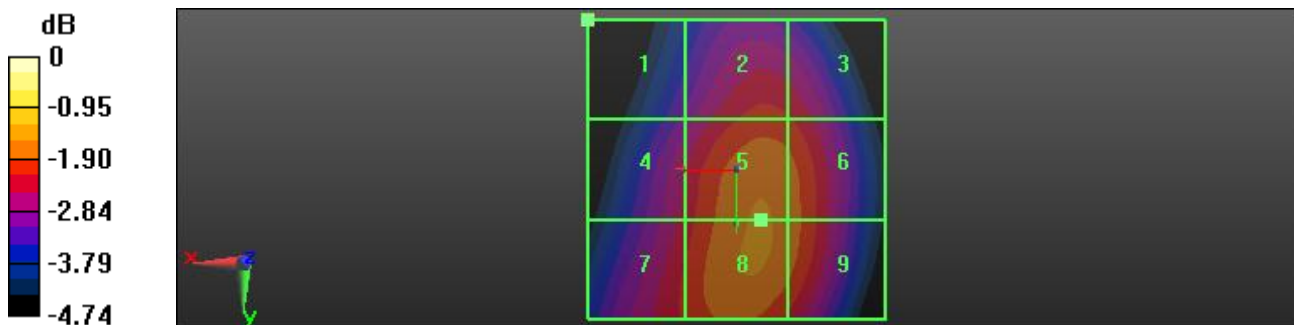
DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm**  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 88.64 V/m; Power Drift = -0.06 dB  
PMR not calibrated. PMF = 0.8390 is applied.  
E-field emissions = 59.73 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 50.39 V/m	Grid 2 M4 56.15 V/m	Grid 3 M4 55.61 V/m
Grid 4 M4 54.27 V/m	Grid 5 M4 59.63 V/m	Grid 6 M4 58.69 V/m
Grid 7 M4 55.81 V/m	Grid 8 M4 59.73 V/m	Grid 9 M4 58.71 V/m



0 dB = 71.20 V/m = 37.05 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 9262

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.77 V/m; Power Drift = 0.04 dB

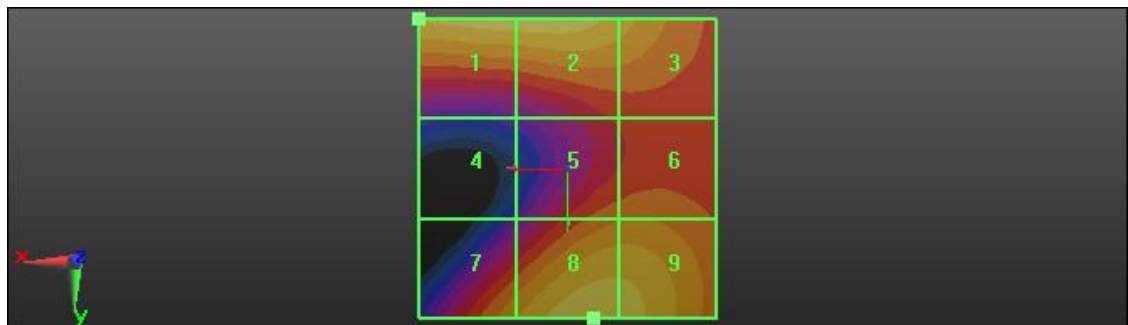
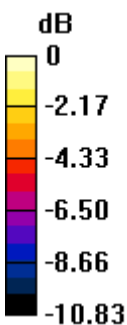
PMR not calibrated. PMF = 0.8280 is applied.

E-field emissions = 31.53 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
31.46 V/m	31.53 V/m	28.66 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
16.58 V/m	24.90 V/m	25.22 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
27.32 V/m	31.36 V/m	30.95 V/m



0 dB = 38.08 V/m = 31.61 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 9400

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

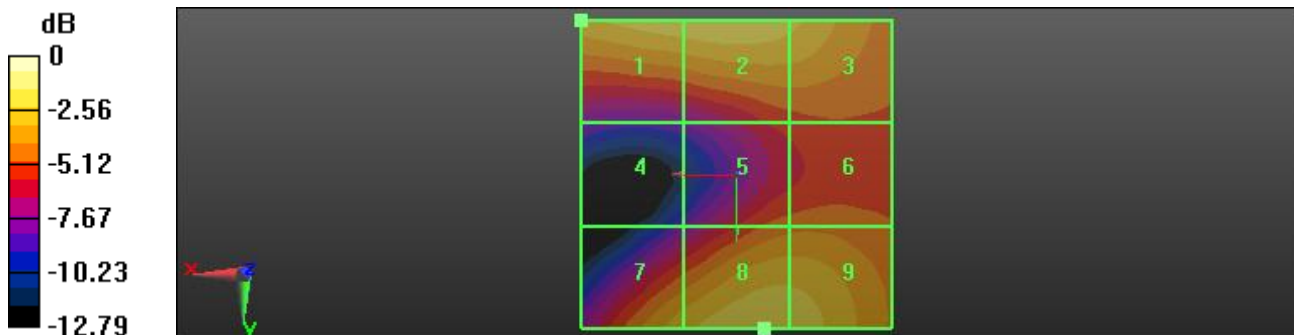
DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 22.40 V/m; Power Drift = 0.03 dB  
PMR not calibrated. PMF = 0.8280 is applied.  
E-field emissions = 32.37 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
31.88 V/m	32.37 V/m	30.09 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
15.25 V/m	23.15 V/m	23.48 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
28.47 V/m	31.82 V/m	31.17 V/m



0 dB = 39.09 V/m = 31.84 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C / 9538

Test Date Jul. 19, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.91 V/m; Power Drift = -0.16 dB

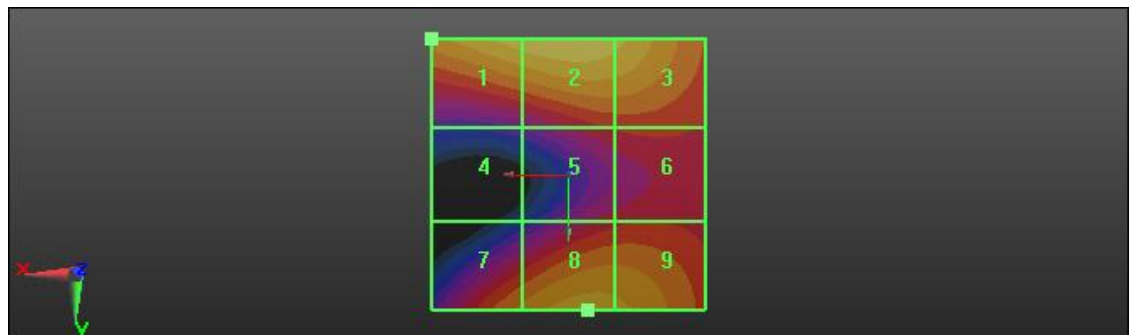
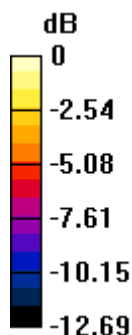
PMR not calibrated. PMF = 0.8280 is applied.

E-field emissions = 33.39 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
32.14 V/m	33.39 V/m	31.18 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
15.64 V/m	20.71 V/m	21.16 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
25.63 V/m	28.59 V/m	28.09 V/m



0 dB = 40.33 V/m = 32.11 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 9538  
Test Date Jul. 19, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

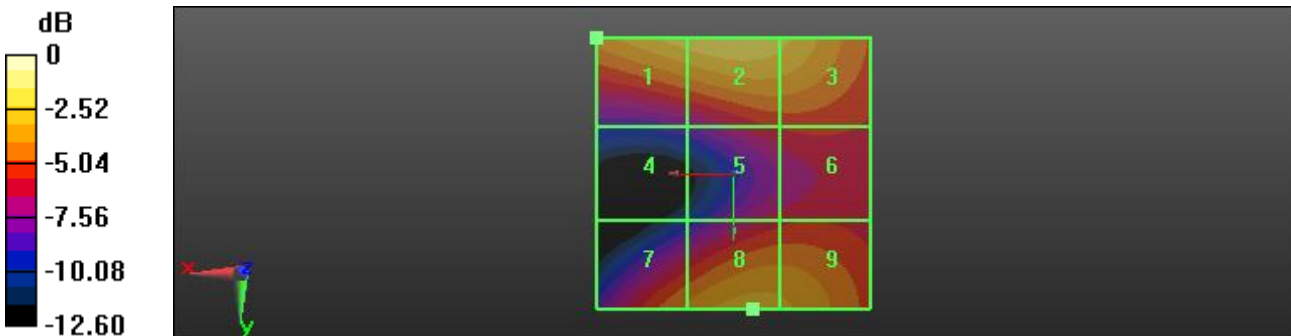
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 18.64 V/m; Power Drift = -0.05 dB  
PMR not calibrated. PMF = 0.8280 is applied.  
E-field emissions = 33.33 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 32.02 V/m	Grid 2 M4 33.33 V/m	Grid 3 M4 31.13 V/m
Grid 4 M4 15.57 V/m	Grid 5 M4 20.69 V/m	Grid 6 M4 21.14 V/m
Grid 7 M4 25.57 V/m	Grid 8 M4 28.54 V/m	Grid 9 M4 28.01 V/m



0 dB = 40.25 V/m = 32.10 dB V/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.3 °C / 9538  
Test Date Jul. 19, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

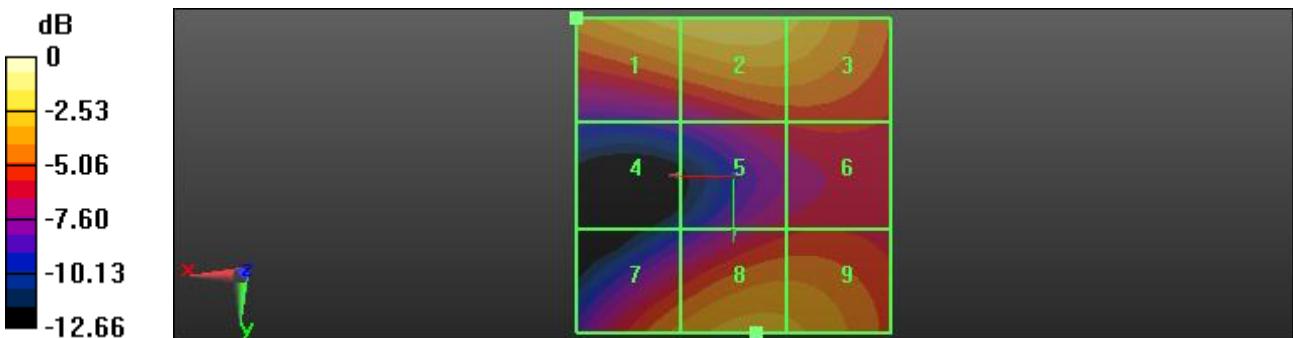
**DASY5 Configuration:**

- Probe: ER3DV6 – SN2343; ConvF(1, 1, 1); Calibrated: 2012-05-22;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan – ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 18.85 V/m; Power Drift = -0.06 dB  
PMR not calibrated. PMF = 0.8280 is applied.  
E-field emissions = 33.59 V/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 32.26 V/m	Grid 2 M4 33.59 V/m	Grid 3 M4 31.41 V/m
Grid 4 M4 15.72 V/m	Grid 5 M4 20.87 V/m	Grid 6 M4 21.33 V/m
Grid 7 M4 25.73 V/m	Grid 8 M4 28.70 V/m	Grid 9 M4 28.21 V/m



0 dB = 40.56 V/m = 32.16 dB V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 1013

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08600 A/m; Power Drift = -0.05 dB

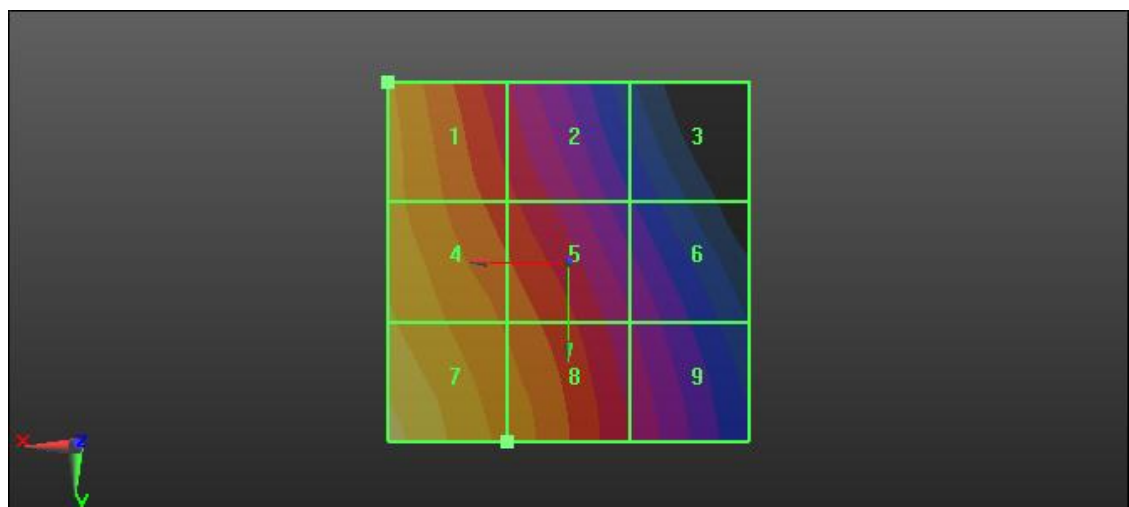
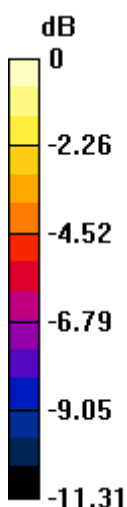
PMR not calibrated. PMF = 0.8670 is applied.

H-field emissions = 0.1158 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.098 A/m	0.075 A/m	0.052 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.104 A/m	0.085 A/m	0.062 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.116 A/m	0.092 A/m	0.067 A/m



0 dB = 0.1335 A/m = -17.49 dB A/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 384

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

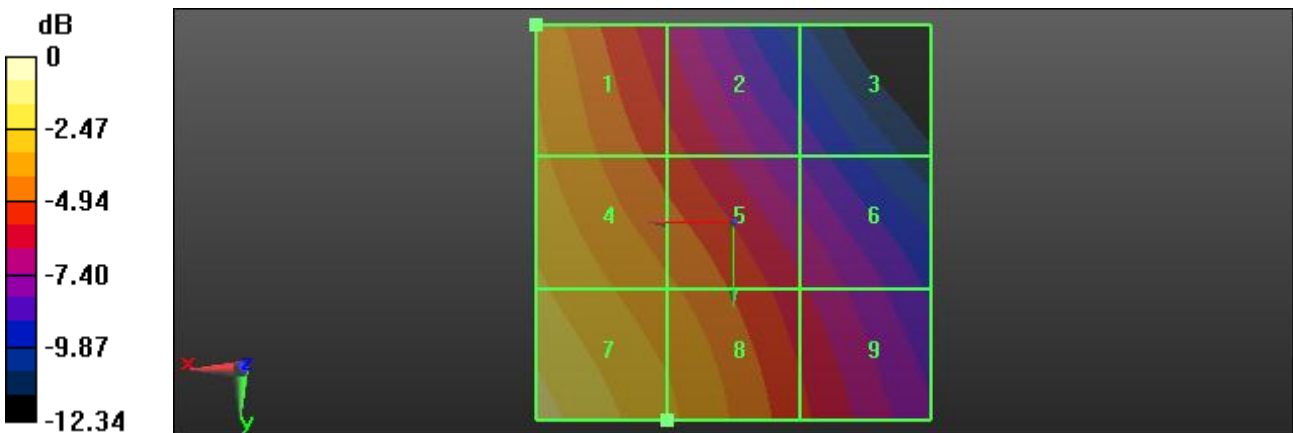
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
**15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.07900 A/m; Power Drift = 0.12 dB  
PMR not calibrated. PMF = 0.8670 is applied.  
H-field emissions = 0.1107 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.090 A/m	0.069 A/m	0.049 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.098 A/m	0.081 A/m	0.061 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.111 A/m	0.090 A/m	0.068 A/m



0 dB = 0.1276 A/m = -17.88 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 777

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

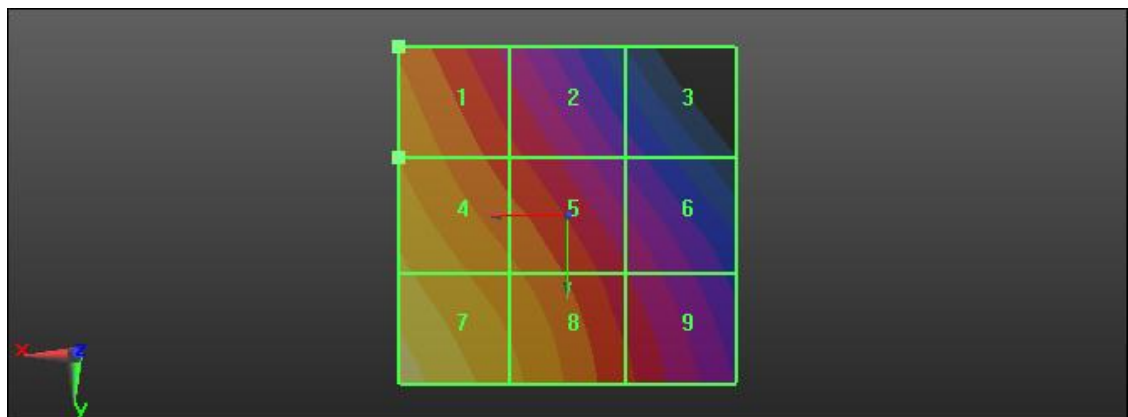
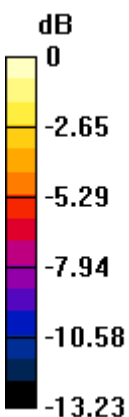
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
**15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.07100 A/m; Power Drift = -0.17 dB  
PMR not calibrated. PMF = 0.8670 is applied.  
H-field emissions = 0.1006 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.077 A/m	0.059 A/m	0.041 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.088 A/m	0.072 A/m	0.052 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.101 A/m	0.080 A/m	0.059 A/m



0 dB = 0.1160 A/m = -18.71 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 1013  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

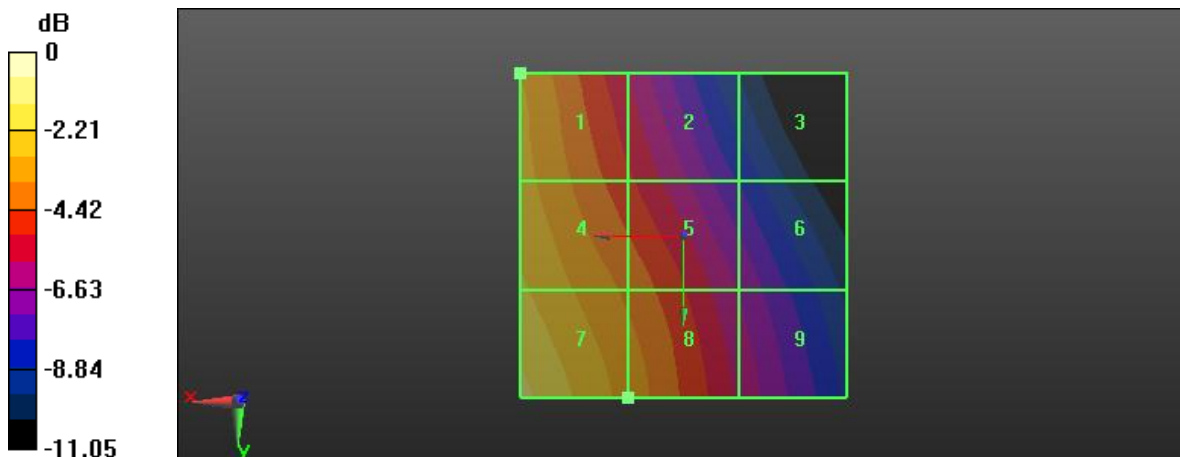
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.08700 A/m; Power Drift = -0.09 dB  
PMR not calibrated. PMF = 0.8670 is applied.  
H-field emissions = 0.1168 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.099 A/m	Grid 2 M4 0.076 A/m	Grid 3 M4 0.053 A/m
Grid 4 M4 0.106 A/m	Grid 5 M4 0.087 A/m	Grid 6 M4 0.063 A/m
Grid 7 M4 0.117 A/m	Grid 8 M4 0.093 A/m	Grid 9 M4 0.067 A/m



0 dB = 0.1347 A/m = -17.41 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 1013  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

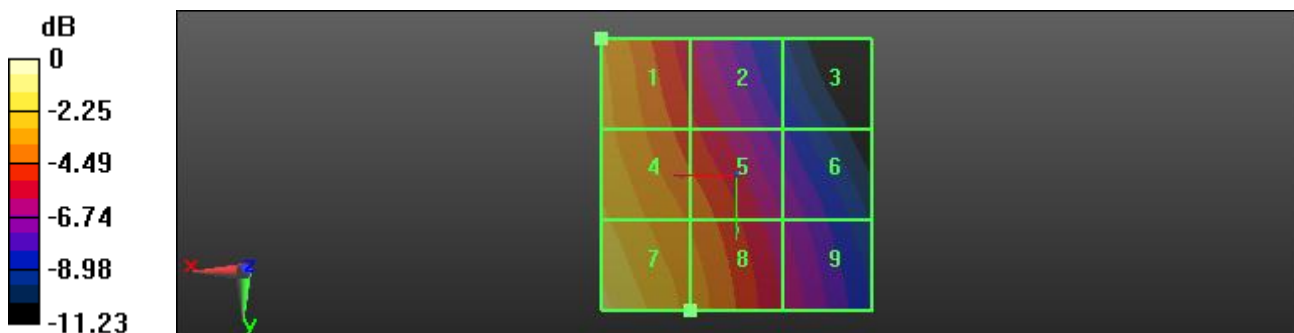
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.08700 A/m; Power Drift = -0.11 dB  
PMR not calibrated. PMF = 0.8670 is applied.  
H-field emissions = 0.1173 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.100 A/m	Grid 2 M4 0.076 A/m	Grid 3 M4 0.053 A/m
Grid 4 M4 0.107 A/m	Grid 5 M4 0.087 A/m	Grid 6 M4 0.063 A/m
Grid 7 M4 0.117 A/m	Grid 8 M4 0.093 A/m	Grid 9 M4 0.068 A/m



0 dB = 0.1353 A/m = -17.37 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 25

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1660 A/m; Power Drift = 0.12 dB

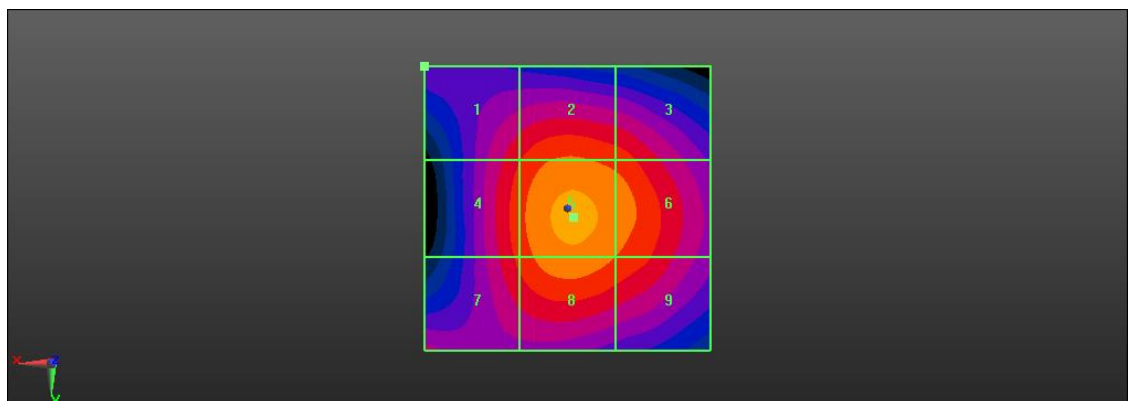
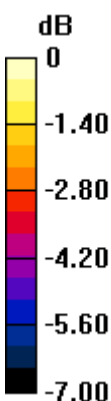
PMR not calibrated. PMF = 0.7760 is applied.

H-field emissions = 0.1079 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.095 A/m	0.102 A/m	0.099 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.099 A/m	0.108 A/m	0.105 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.097 A/m	0.105 A/m	0.101 A/m



0 dB = 0.1391 A/m = -17.13 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 600

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

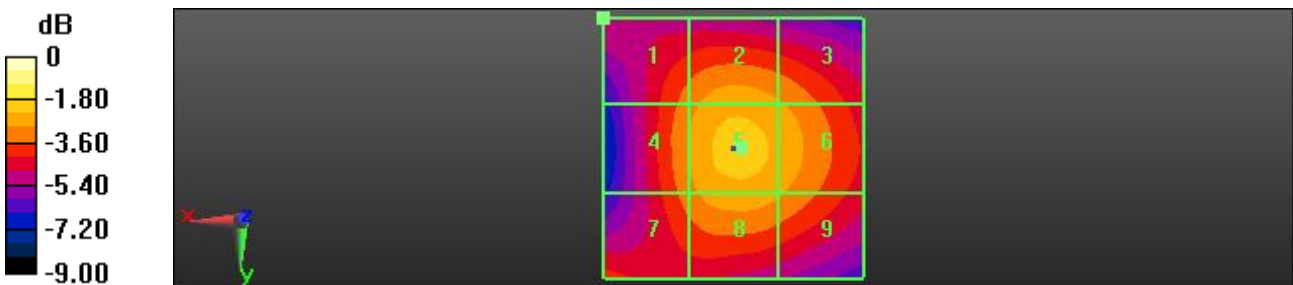
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
**15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1660 A/m; Power Drift = -0.02 dB  
PMR not calibrated. PMF = 0.7760 is applied.  
H-field emissions = 0.1067 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.095 A/m	0.102 A/m	0.099 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.098 A/m	0.107 A/m	0.103 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.095 A/m	0.102 A/m	0.099 A/m



0 dB = 0.1375 A/m = -17.23 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 1175

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1660 A/m; Power Drift = 0.22 dB

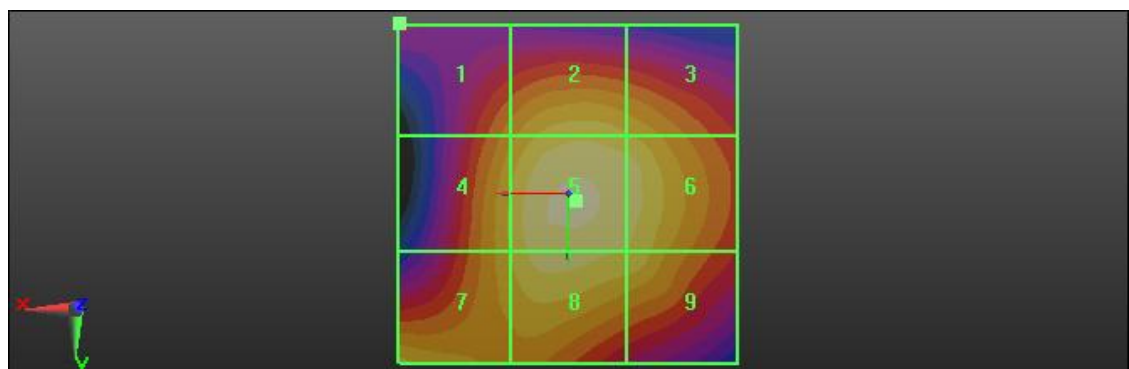
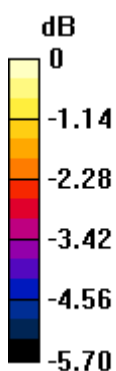
PMR not calibrated. PMF = 0.9660 is applied.

H-field emissions = 0.1348 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.116 A/m	0.127 A/m	0.123 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.124 A/m	0.135 A/m	0.131 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.125 A/m	0.131 A/m	0.128 A/m



0 dB = 0.1396 A/m = -17.10 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 1175  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

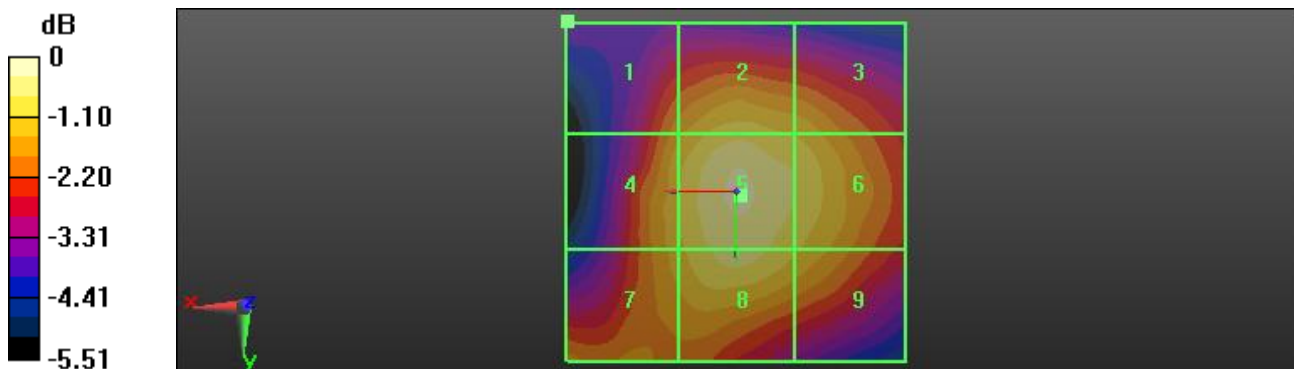
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1510 A/m; Power Drift = 0.66 dB  
PMR not calibrated. PMF = 0.9660 is applied.  
H-field emissions = 0.1299 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.112 A/m	Grid 2 M4 0.122 A/m	Grid 3 M4 0.118 A/m
Grid 4 M4 0.119 A/m	Grid 5 M4 0.130 A/m	Grid 6 M4 0.124 A/m
Grid 7 M4 0.117 A/m	Grid 8 M4 0.127 A/m	Grid 9 M4 0.119 A/m



0 dB = 0.1344 A/m = -17.43 dB A/m



Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 1175  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

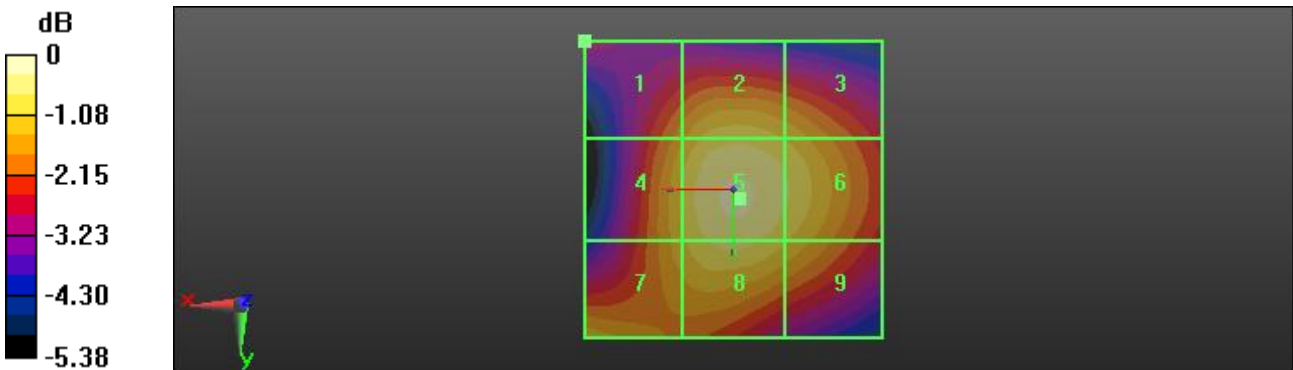
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1630 A/m; Power Drift = -0.02 dB  
PMR not calibrated. PMF = 0.9660 is applied.  
H-field emissions = 0.1297 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.113 A/m	0.123 A/m	0.119 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.120 A/m	0.130 A/m	0.125 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.119 A/m	0.126 A/m	0.120 A/m



0 dB = 0.1343 A/m = -17.44 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 128

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.07000 A/m; Power Drift = 0.12 dB

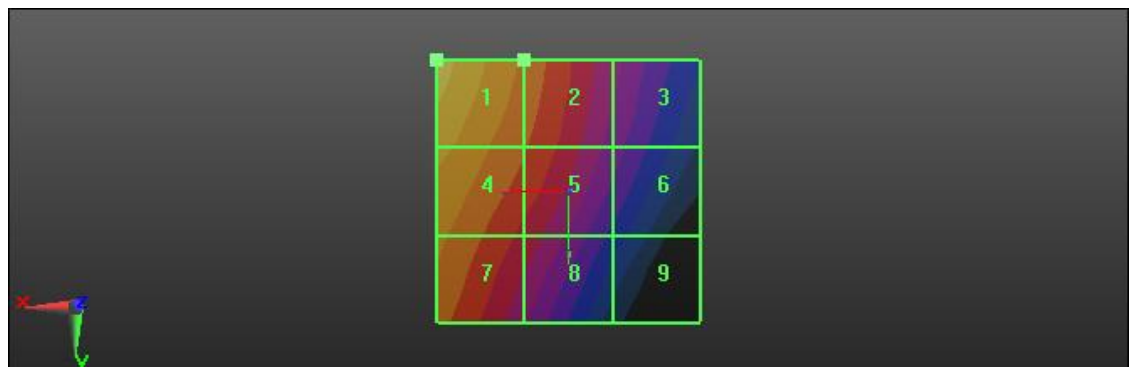
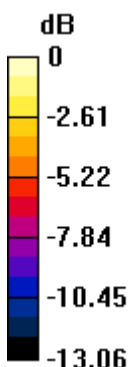
PMR not calibrated. PMF = 2.229 is applied.

H-field emissions = 0.2591 A/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.259 A/m	0.200 A/m	0.141 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.232 A/m	0.186 A/m	0.129 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.209 A/m	0.161 A/m	0.108 A/m



0 dB = 0.3348 A/m = -9.50 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 190

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.07300 A/m; Power Drift = -0.03 dB

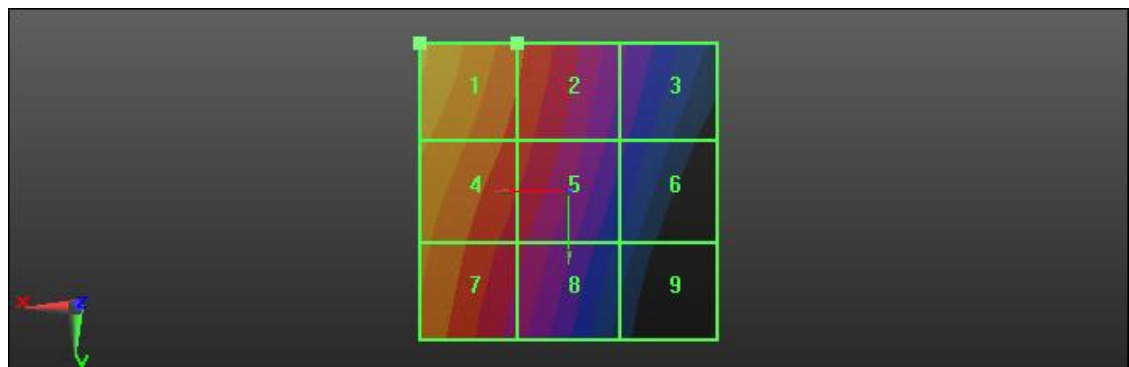
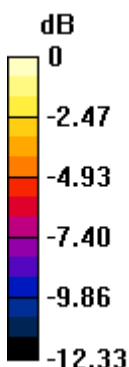
PMR not calibrated. PMF = 2.229 is applied.

H-field emissions = 0.2789 A/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.279 A/m	0.210 A/m	0.145 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.253 A/m	0.196 A/m	0.132 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.231 A/m	0.174 A/m	0.115 A/m



0 dB = 0.3604 A/m = -8.86 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 251

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.06300 A/m; Power Drift = 0.01 dB

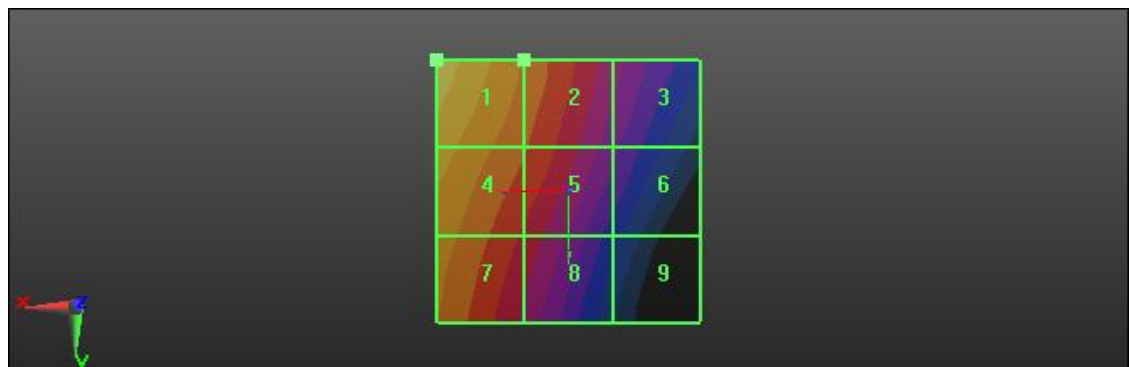
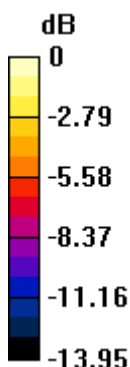
PMR not calibrated. PMF = 2.229 is applied.

H-field emissions = 0.2435 A/m

**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.243 A/m	0.183 A/m	0.126 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.217 A/m	0.168 A/m	0.112 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.196 A/m	0.146 A/m	0.091 A/m



0 dB = 0.3147 A/m = -10.04 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 190  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

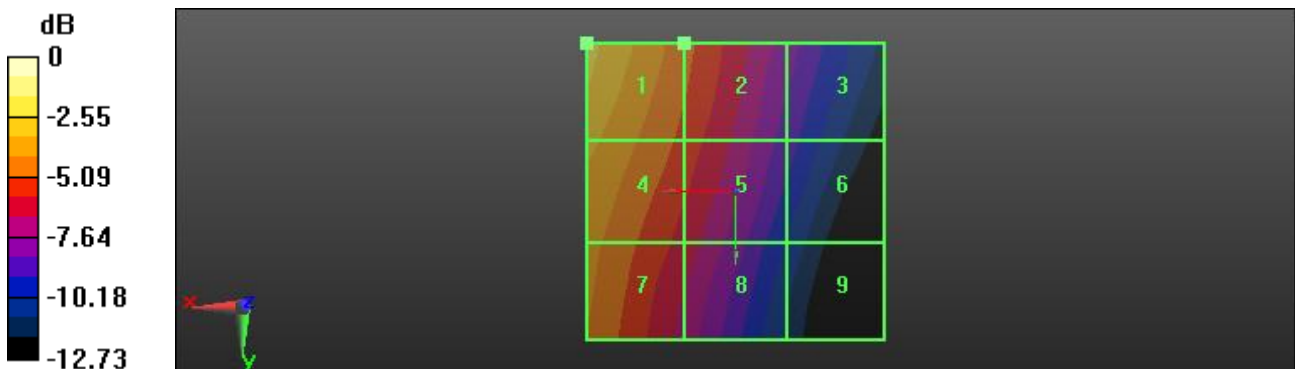
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.07300 A/m; Power Drift = -0.00 dB  
PMR not calibrated. PMF = 2.229 is applied.  
H-field emissions = 0.2804 A/m  
**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4 0.280 A/m	Grid 2 M4 0.209 A/m	Grid 3 M4 0.143 A/m
Grid 4 M4 0.254 A/m	Grid 5 M4 0.195 A/m	Grid 6 M4 0.131 A/m
Grid 7 M4 0.232 A/m	Grid 8 M4 0.175 A/m	Grid 9 M4 0.113 A/m



0 dB = 0.3624 A/m = -8.82 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 190  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

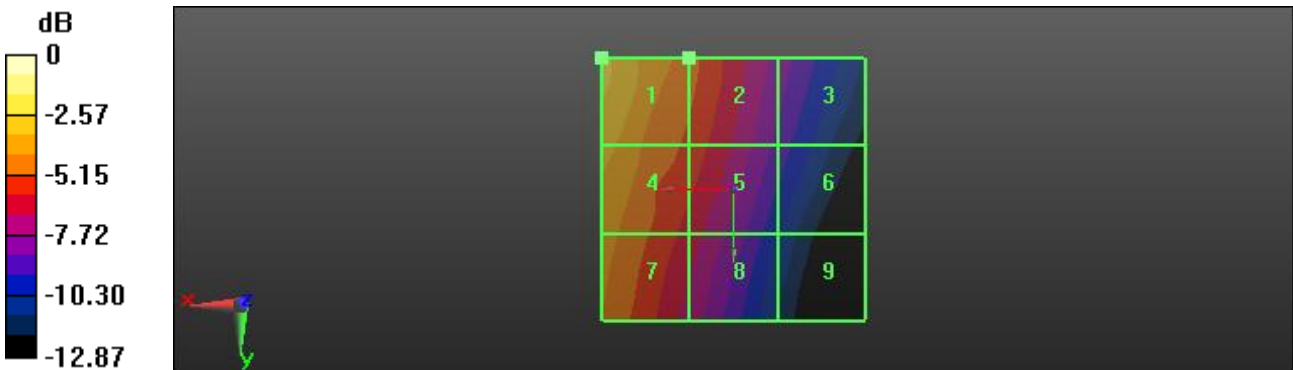
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.07400 A/m; Power Drift = 0.00 dB  
PMR not calibrated. PMF = 2.229 is applied.  
H-field emissions = 0.2813 A/m  
**Near-field category: M4 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M4 0.281 A/m	Grid 2 M4 0.211 A/m	Grid 3 M4 0.145 A/m
Grid 4 M4 0.254 A/m	Grid 5 M4 0.196 A/m	Grid 6 M4 0.132 A/m
Grid 7 M4 0.232 A/m	Grid 8 M4 0.175 A/m	Grid 9 M4 0.113 A/m



0 dB = 0.3635 A/m = -8.79 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 512

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09500 A/m; Power Drift = -0.01 dB

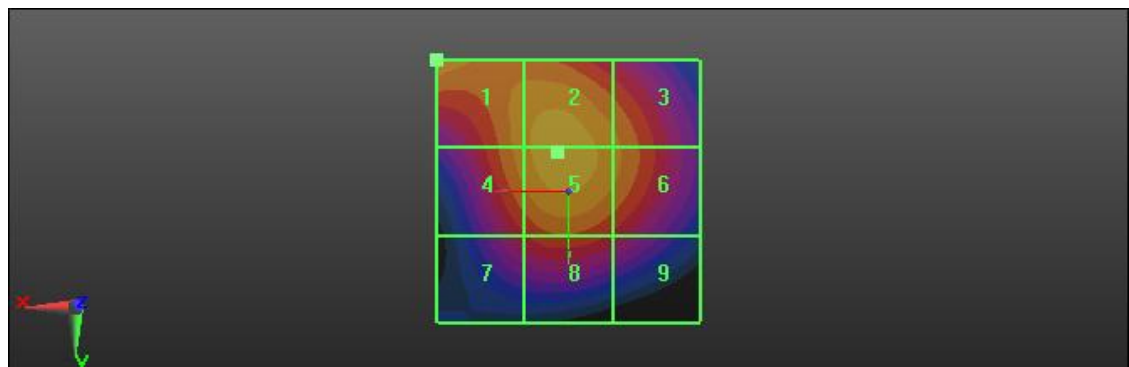
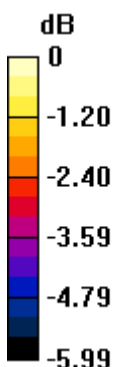
PMR not calibrated. PMF = 2.464 is applied.

H-field emissions = 0.2011 A/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M3	Grid 2 M3	Grid 3 M3
0.195 A/m	0.201 A/m	0.190 A/m
Grid 4 M3	Grid 5 M3	Grid 6 M3
0.193 A/m	0.201 A/m	0.190 A/m
Grid 7 M3	Grid 8 M3	Grid 9 M3
0.169 A/m	0.178 A/m	0.168 A/m



0 dB = 0.2352 A/m = -12.57 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 661

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1020 A/m; Power Drift = -0.02 dB

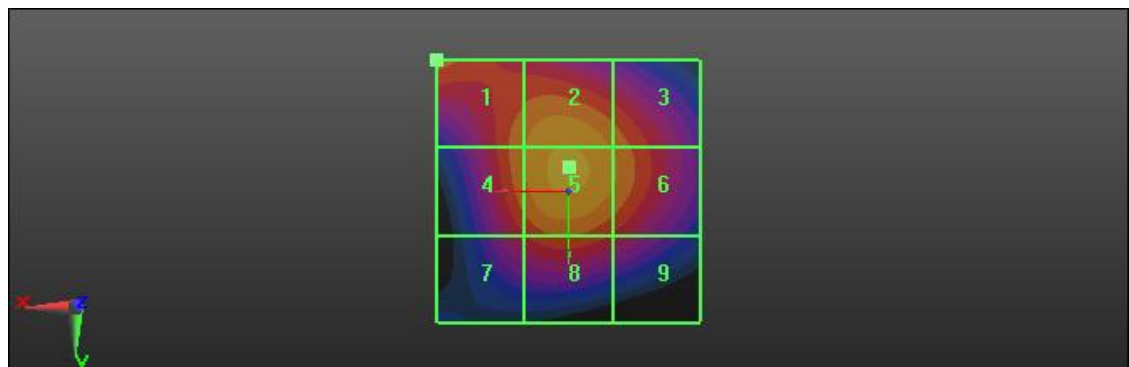
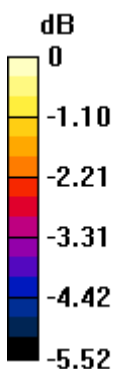
PMR not calibrated. PMF = 2.464 is applied.

H-field emissions = 0.2100 A/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M3	Grid 2 M3	Grid 3 M3
0.198 A/m	0.207 A/m	0.197 A/m
Grid 4 M3	Grid 5 M3	Grid 6 M3
0.199 A/m	0.210 A/m	0.200 A/m
Grid 7 M3	Grid 8 M3	Grid 9 M3
0.182 A/m	0.191 A/m	0.181 A/m



0 dB = 0.2455 A/m = -12.20 dB A/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 810

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09200 A/m; Power Drift = -0.04 dB

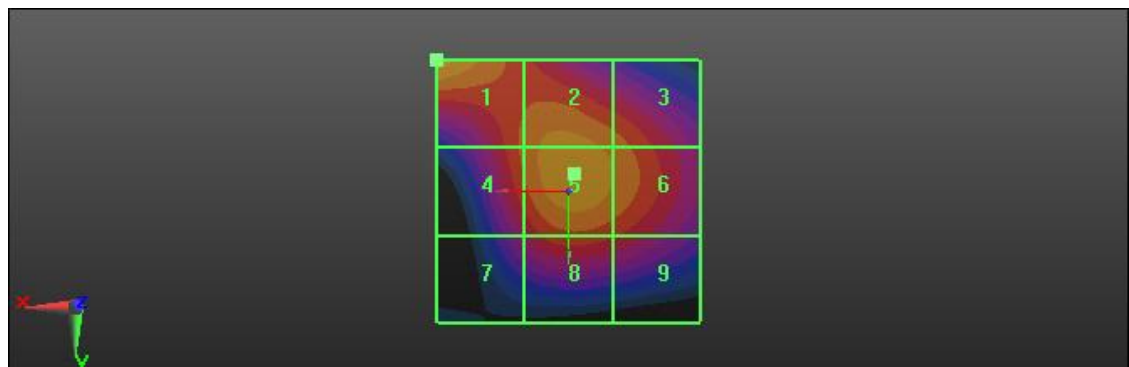
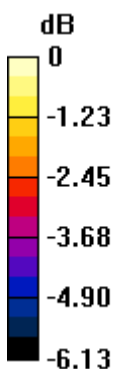
PMR not calibrated. PMF = 2.464 is applied.

H-field emissions = 0.1941 A/m

**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M3	Grid 2 M3	Grid 3 M3
0.194 A/m	0.183 A/m	0.177 A/m
Grid 4 M3	Grid 5 M3	Grid 6 M3
0.173 A/m	0.186 A/m	0.180 A/m
Grid 7 M3	Grid 8 M3	Grid 9 M3
0.154 A/m	0.169 A/m	0.164 A/m



0 dB = 0.2269 A/m = -12.88 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 661  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

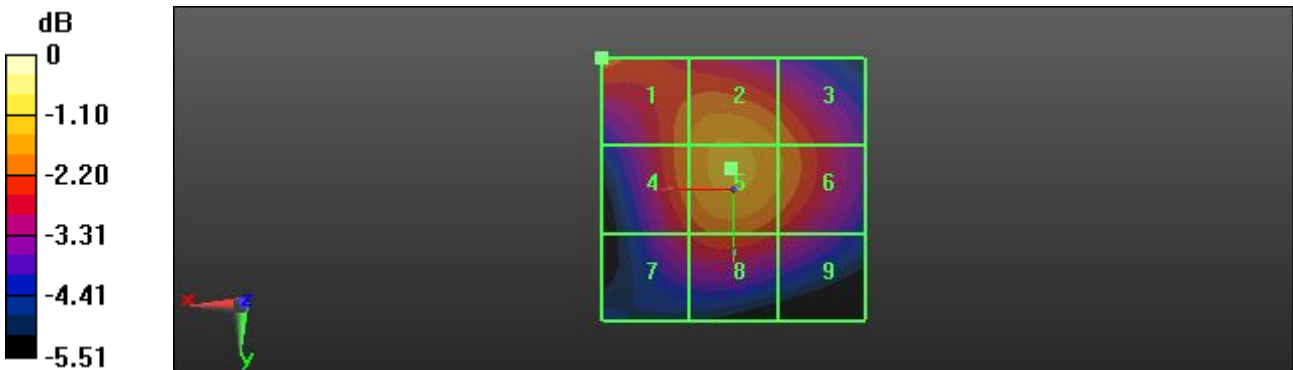
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1020 A/m; Power Drift = -0.01 dB  
PMR not calibrated. PMF = 2.464 is applied.  
H-field emissions = 0.2086 A/m  
**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M3 0.198 A/m	Grid 2 M3 0.207 A/m	Grid 3 M3 0.197 A/m
Grid 4 M3 0.199 A/m	Grid 5 M3 0.209 A/m	Grid 6 M3 0.199 A/m
Grid 7 M3 0.182 A/m	Grid 8 M3 0.190 A/m	Grid 9 M3 0.180 A/m



0 dB = 0.2439 A/m = -12.26 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 661  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.30042  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

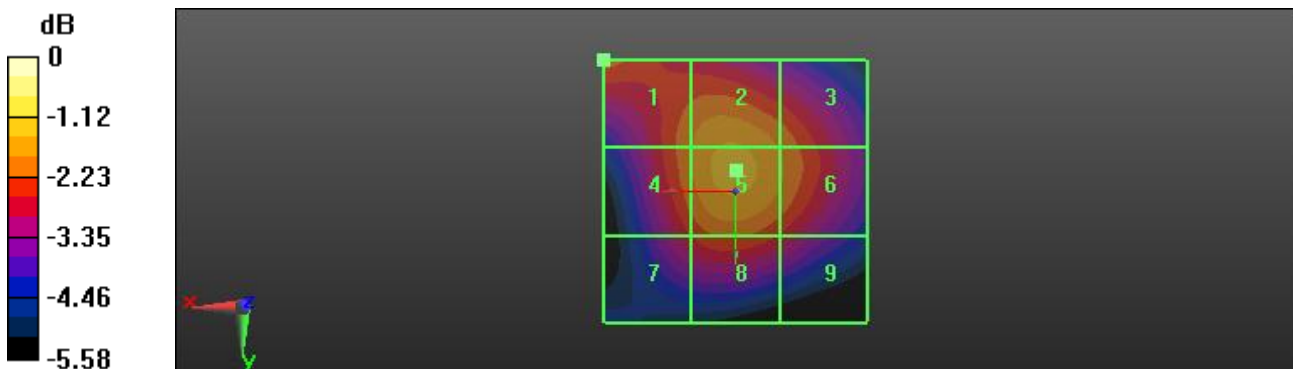
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1010 A/m; Power Drift = -0.02 dB  
PMR not calibrated. PMF = 2.464 is applied.  
H-field emissions = 0.2092 A/m  
**Near-field category: M3 (AWF -5 dB)**

PMF scaled H-field

Grid 1 M3 0.197 A/m	Grid 2 M3 0.207 A/m	Grid 3 M3 0.197 A/m
Grid 4 M3 0.197 A/m	Grid 5 M3 0.209 A/m	Grid 6 M3 0.199 A/m
Grid 7 M3 0.181 A/m	Grid 8 M3 0.191 A/m	Grid 9 M3 0.180 A/m



0 dB = 0.2446 A/m = -12.23 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 4132

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.09000 A/m; Power Drift = -0.01 dB

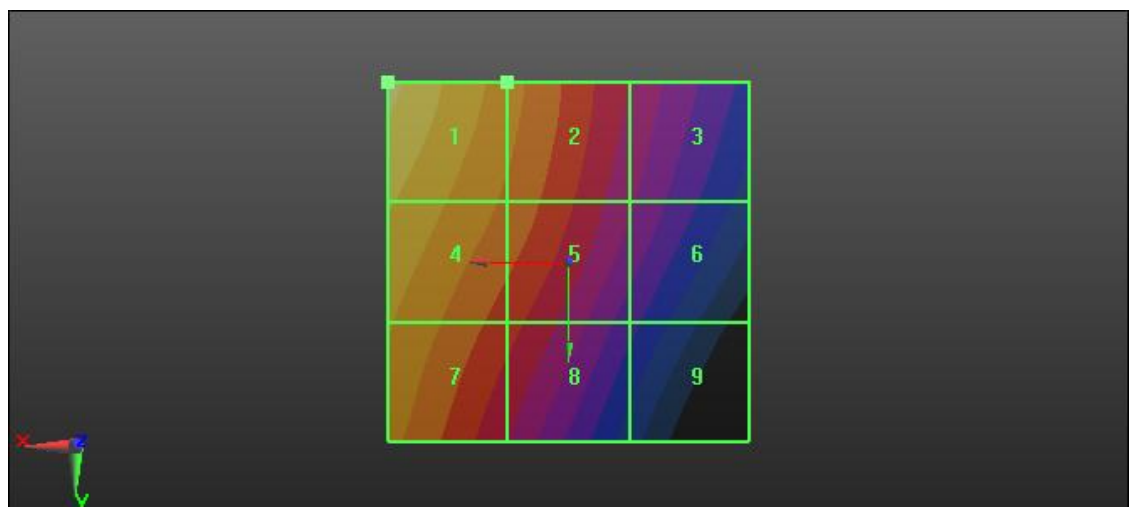
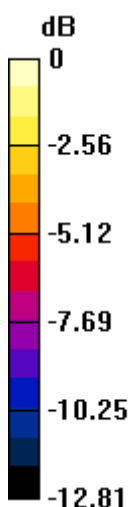
PMR not calibrated. PMF = 0.8540 is applied.

H-field emissions = 0.1279 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.128 A/m	0.096 A/m	0.068 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.113 A/m	0.090 A/m	0.063 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.102 A/m	0.079 A/m	0.053 A/m



0 dB = 0.1498 A/m = -16.49 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 4183

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1000 A/m; Power Drift = 0.04 dB

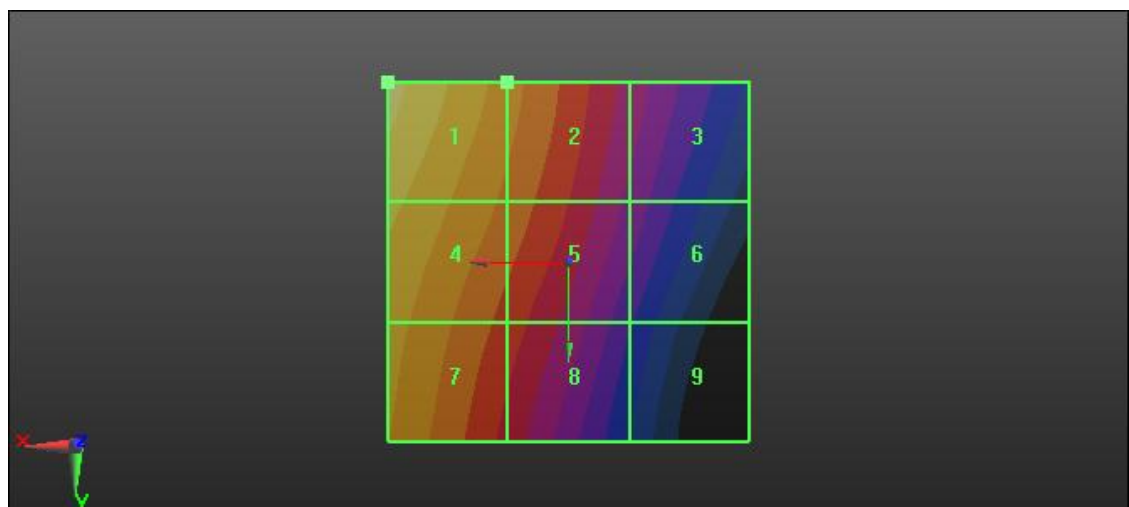
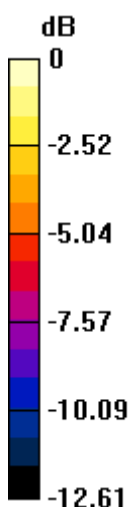
PMR not calibrated. PMF = 0.8540 is applied.

H-field emissions = 0.1442 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.144 A/m	0.109 A/m	0.075 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.130 A/m	0.102 A/m	0.069 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.119 A/m	0.091 A/m	0.059 A/m



0 dB = 0.1688 A/m = -15.45 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 4233

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.08500 A/m; Power Drift = 0.03 dB

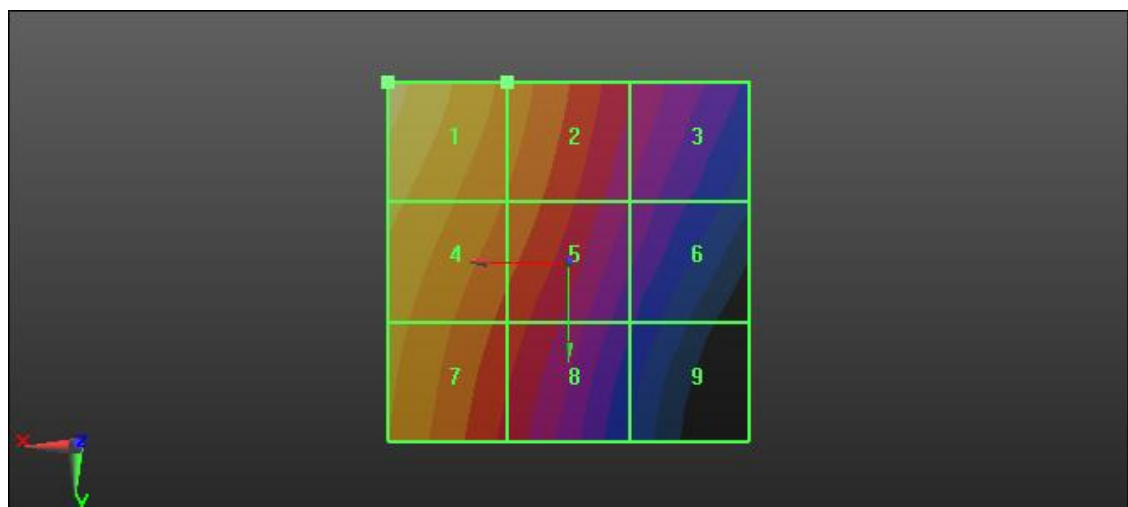
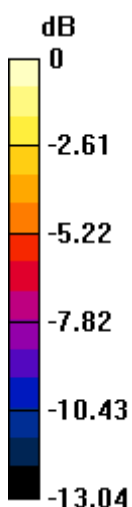
PMR not calibrated. PMF = 0.8540 is applied.

H-field emissions = 0.1219 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.122 A/m	0.093 A/m	0.065 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.109 A/m	0.086 A/m	0.058 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.100 A/m	0.075 A/m	0.049 A/m



0 dB = 0.1427 A/m = -16.91 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 4183  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

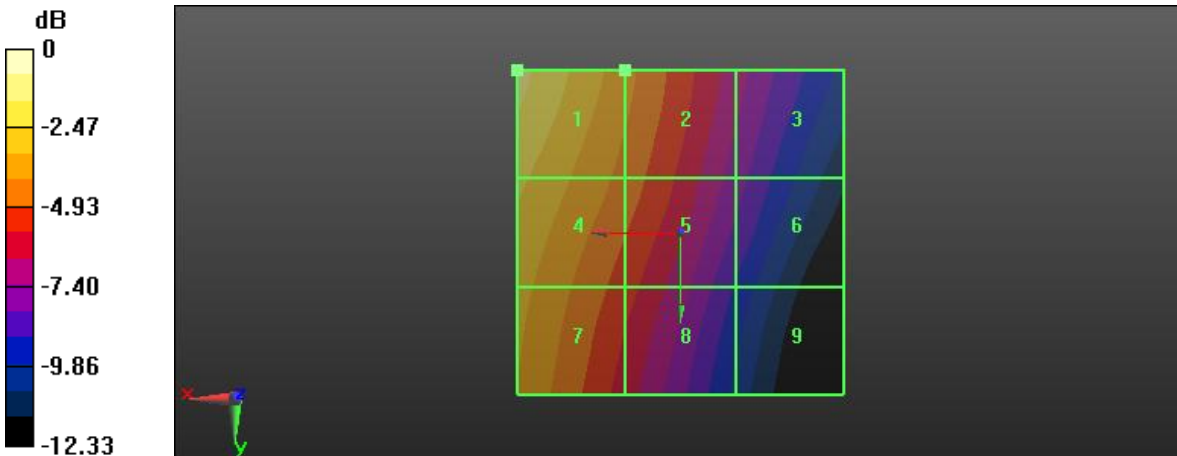
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.09900 A/m; Power Drift = 0.16 dB  
PMR not calibrated. PMF = 0.8540 is applied.  
H-field emissions = 0.1446 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.145 A/m	Grid 2 M4 0.109 A/m	Grid 3 M4 0.076 A/m
Grid 4 M4 0.131 A/m	Grid 5 M4 0.102 A/m	Grid 6 M4 0.069 A/m
Grid 7 M4 0.120 A/m	Grid 8 M4 0.091 A/m	Grid 9 M4 0.059 A/m



0 dB = 0.1693 A/m = -15.43 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 4183  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

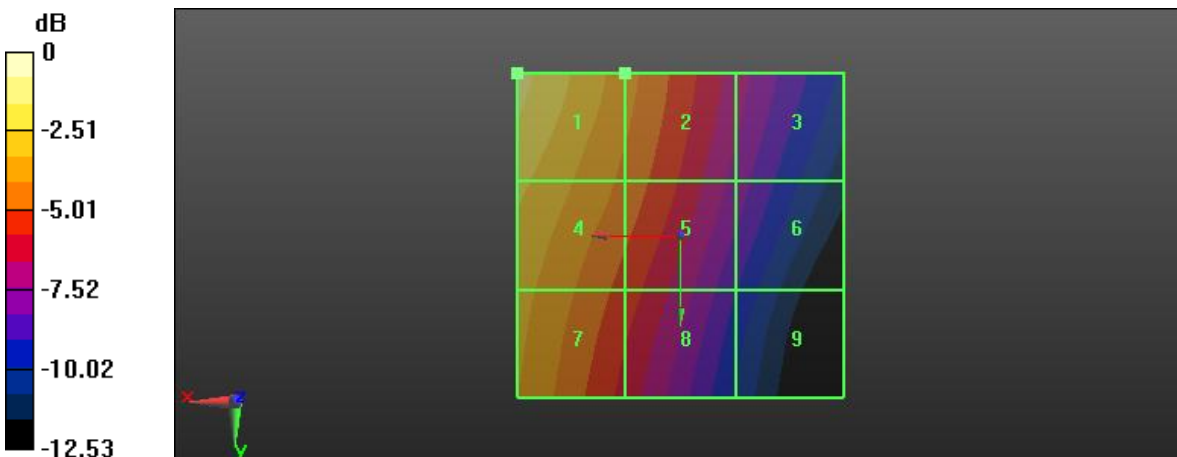
**DASY5 Configuration:**

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1010 A/m; Power Drift = 0.03 dB  
PMR not calibrated. PMF = 0.8540 is applied.  
H-field emissions = 0.1457 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.146 A/m	Grid 2 M4 0.110 A/m	Grid 3 M4 0.076 A/m
Grid 4 M4 0.132 A/m	Grid 5 M4 0.103 A/m	Grid 6 M4 0.069 A/m
Grid 7 M4 0.121 A/m	Grid 8 M4 0.092 A/m	Grid 9 M4 0.060 A/m



0 dB = 0.1706 A/m = -15.36 dB A/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 9262

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1390 A/m; Power Drift = -0.02 dB

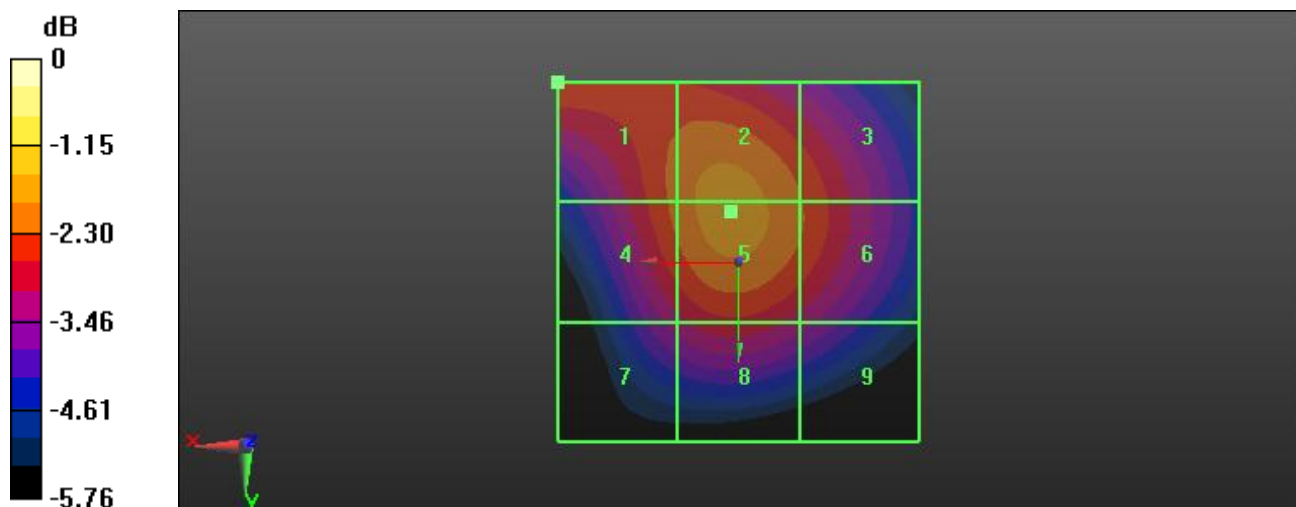
PMR not calibrated. PMF = 0.8190 is applied.

H-field emissions = 0.09990 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.095 A/m	0.100 A/m	0.094 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.095 A/m	0.100 A/m	0.094 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.084 A/m	0.089 A/m	0.084 A/m



0 dB = 0.1220 A/m = -18.27 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 9400

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1.25893

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.1470 A/m; Power Drift = -0.02 dB

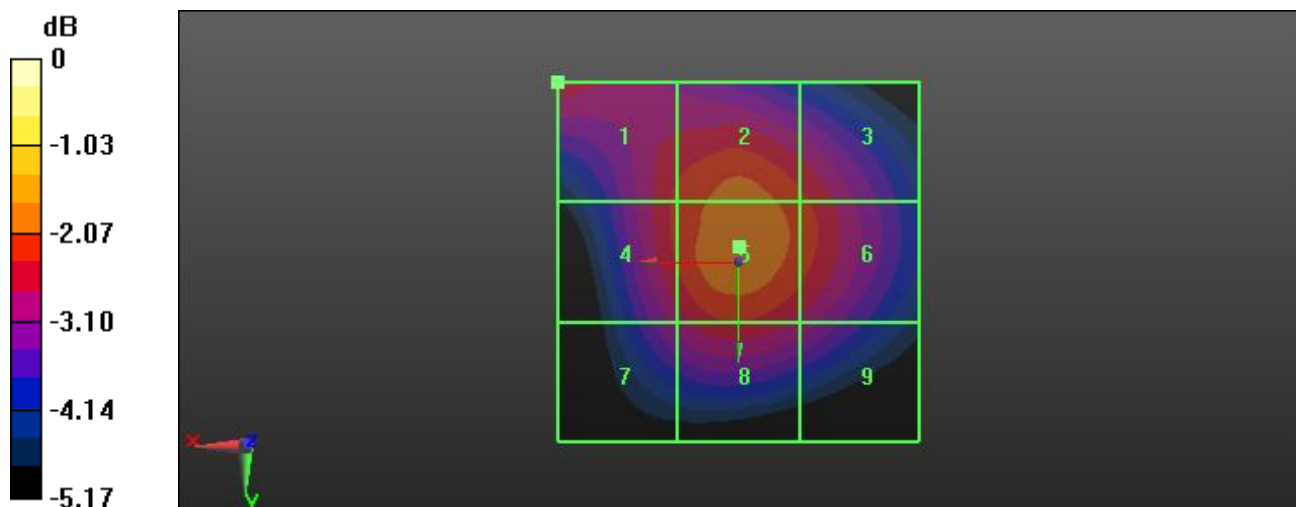
PMR not calibrated. PMF = 0.8190 is applied.

H-field emissions = 0.1023 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.096 A/m	0.101 A/m	0.096 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.096 A/m	0.102 A/m	0.097 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.089 A/m	0.094 A/m	0.090 A/m



0 dB = 0.1249 A/m = -18.07 dB A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C / 9538

Test Date Jul. 20, 2012

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

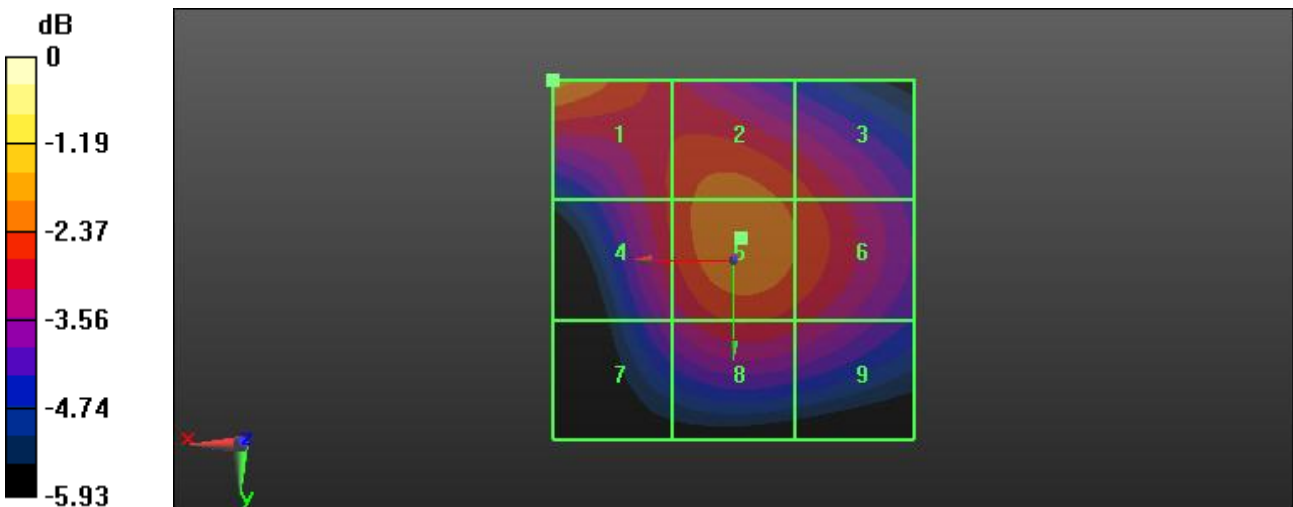
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
**15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1330 A/m; Power Drift = -0.04 dB  
PMR not calibrated. PMF = 0.8190 is applied.  
H-field emissions = 0.09449 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.094 A/m	0.090 A/m	0.086 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.085 A/m	0.091 A/m	0.088 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.077 A/m	0.084 A/m	0.082 A/m



0 dB = 0.1154 A/m = -18.76 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 9400  
Test Date Jul. 20, 2012  
Option Wireless charger cover

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

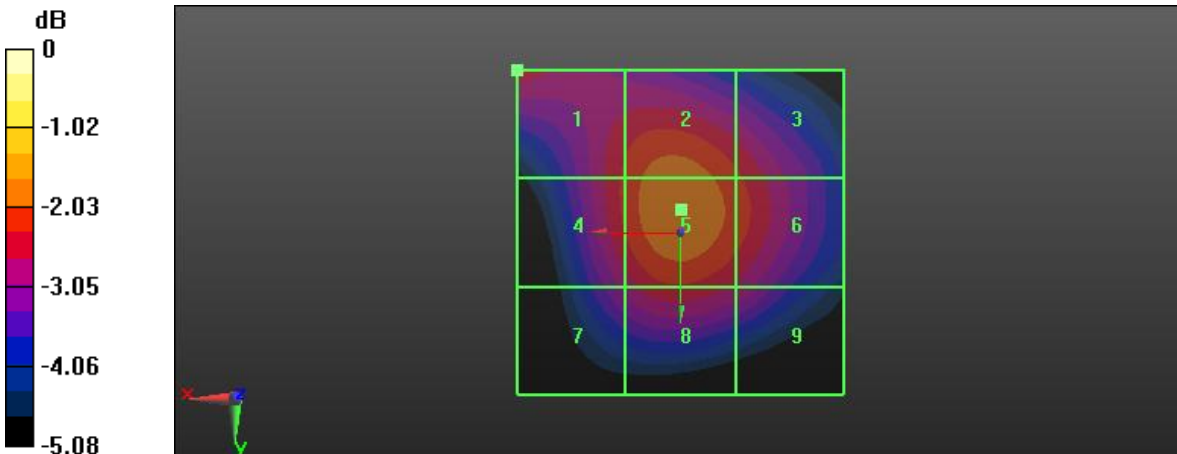
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1460 A/m; Power Drift = -0.02 dB  
PMR not calibrated. PMF = 0.8190 is applied.  
H-field emissions = 0.1014 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4 0.095 A/m	Grid 2 M4 0.100 A/m	Grid 3 M4 0.095 A/m
Grid 4 M4 0.096 A/m	Grid 5 M4 0.101 A/m	Grid 6 M4 0.097 A/m
Grid 7 M4 0.089 A/m	Grid 8 M4 0.094 A/m	Grid 9 M4 0.090 A/m



0 dB = 0.1238 A/m = -18.15 dB A/m

Test Laboratory: HCT CO., LTD.  
Ambient Temperature / Channel 21.4 °C / 9400  
Test Date Jul. 20, 2012  
Option Extended Battery

**DUT: C811; Type: Bar; Serial: #1**

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1.25893  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: RF Section

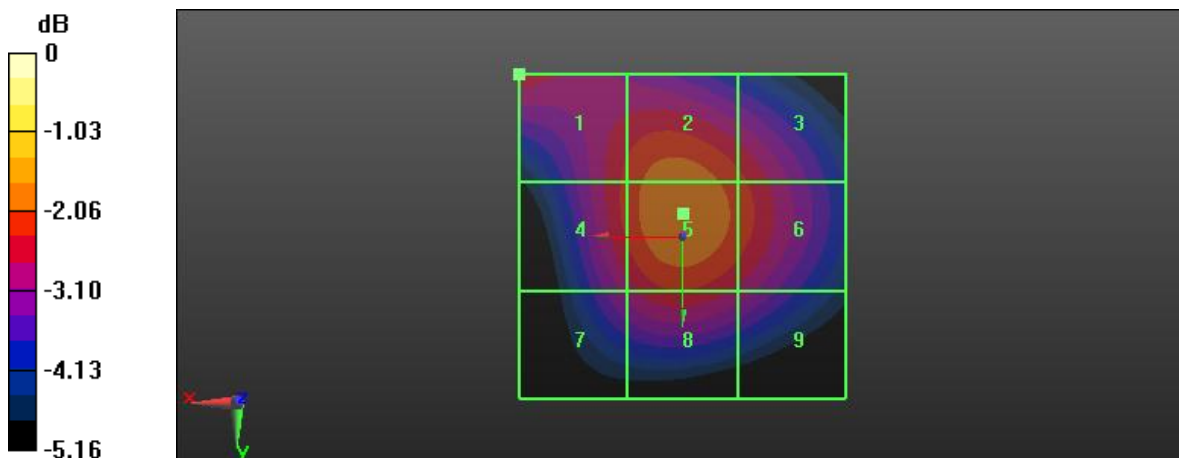
DASY5 Configuration:

- Probe: H3DV6 – SN6101; ; Calibrated: 2012-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn648; Calibrated: 2012-04-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Device H-Field measurement with H3DV6 probe (H-field scan for ANSI C63.19-2007 compliance)/H Scan – H3DV6:**  
15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm,  
dy=5mm  
Device Reference Point: 0, 0, -6.3 mm  
Reference Value = 0.1480 A/m; Power Drift = -0.01 dB  
PMR not calibrated. PMF = 0.8190 is applied.  
H-field emissions = 0.1024 A/m  
**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
0.096 A/m	0.101 A/m	0.096 A/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
0.097 A/m	0.102 A/m	0.098 A/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
0.089 A/m	0.095 A/m	0.090 A/m



0 dB = 0.1251 A/m = -18.05 dB A/m