

## ATTACHMENT A – HAC TEST PLOTS

Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm dy=5mm

Maximum value of peak Total field = 62.6 V/m

Probe Modulation Factor = 1.00

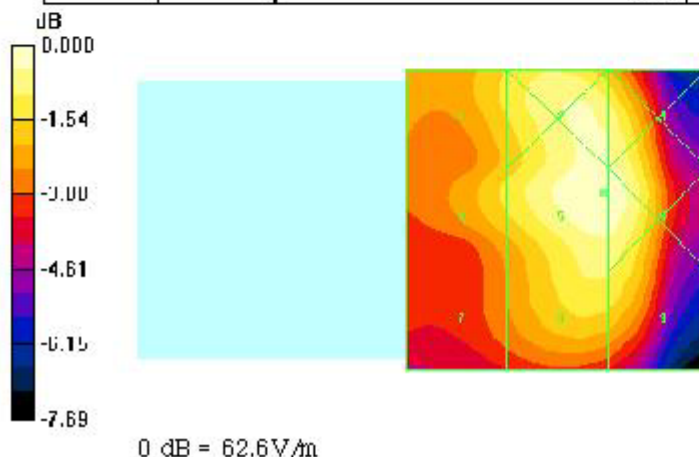
Reference Value = 57.6 V/m; Power Drift = -0.046 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
53.3	60.7	60.4
Grid 4	Grid 5	Grid 6
53.2	62.6	62.4
Grid 7	Grid 8	Grid 9
46.9	56.2	56.1

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm dy=5mm

Maximum value of peak Total field = 68.8 V/m

Probe Modulation Factor = 1.00

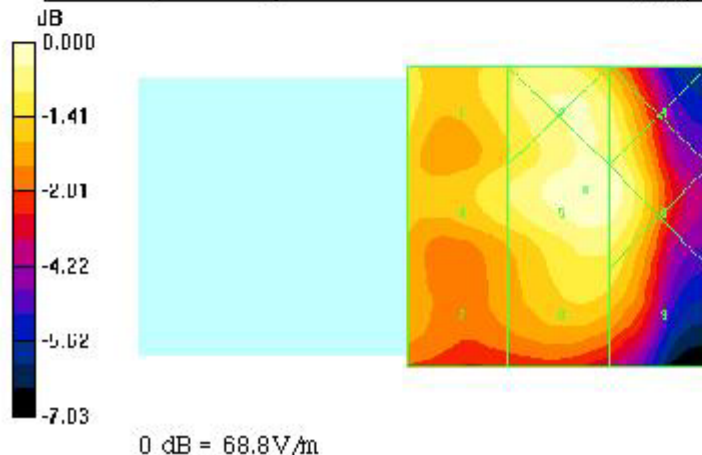
Reference Value = 65.5 V/m; Power Drift = 0.068 dB

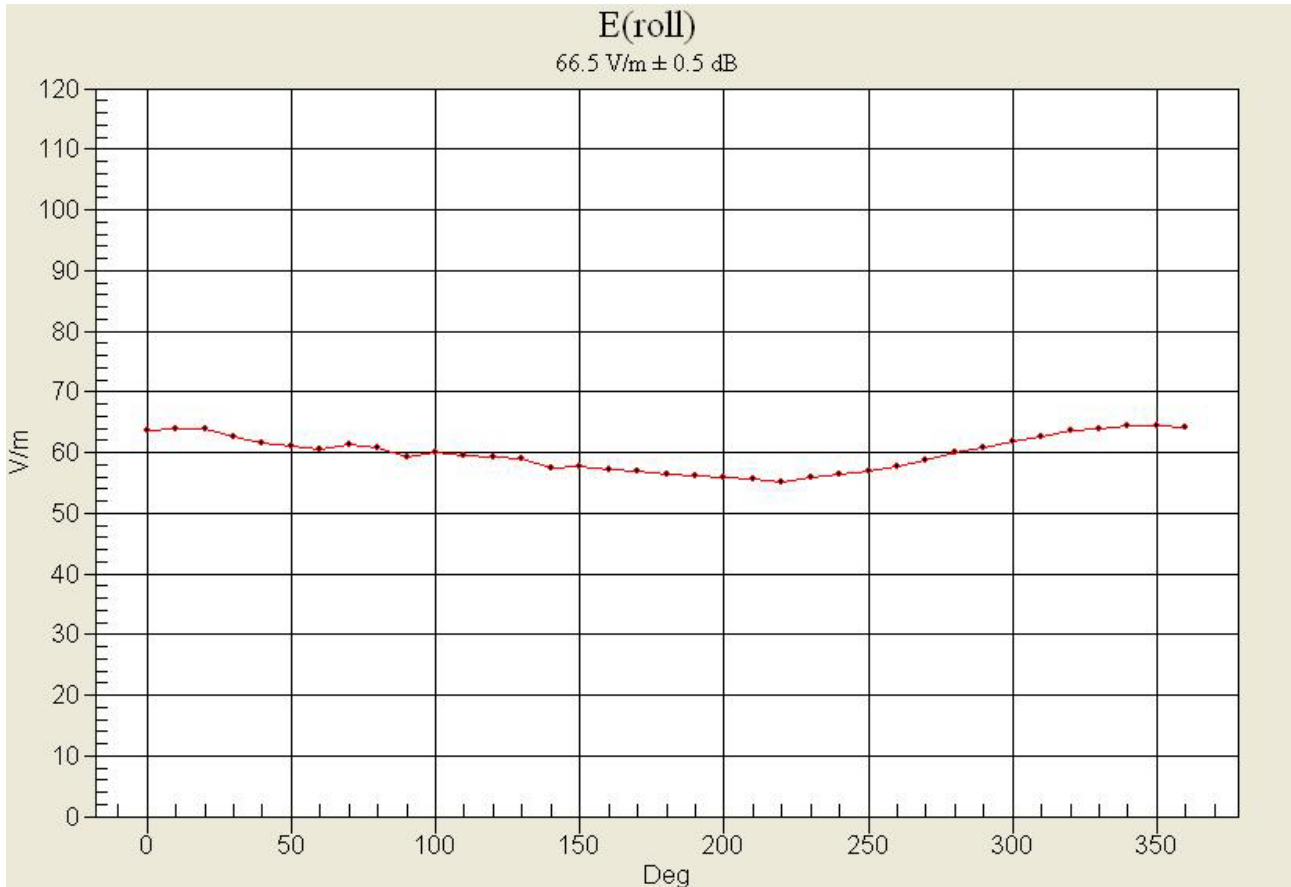
**Hearing Aid Near-Field Category: M3 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>61.3</b>	<b>66.3</b>	<b>65.5</b>
Grid 4	Grid 5	Grid 6
<b>61.8</b>	<b>68.8</b>	<b>67.9</b>
Grid 7	Grid 8	Grid 9
<b>55.2</b>	<b>61.3</b>	<b>60.5</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 58.5 V/m

Probe Modulation Factor = 1.00

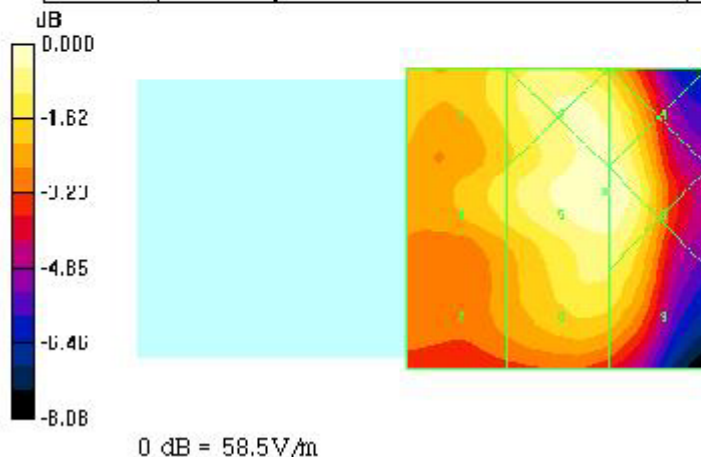
Reference Value = 54.8 V/m; Power Drift = -0.036 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>50.7</b>	<b>56.7</b>	<b>56.6</b>
Grid 4	Grid 5	Grid 6
<b>50.6</b>	<b>58.5</b>	<b>58.4</b>
Grid 7	Grid 8	Grid 9
<b>44.4</b>	<b>52.4</b>	<b>52.1</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 66.1 V/m

Probe Modulation Factor = 1.00

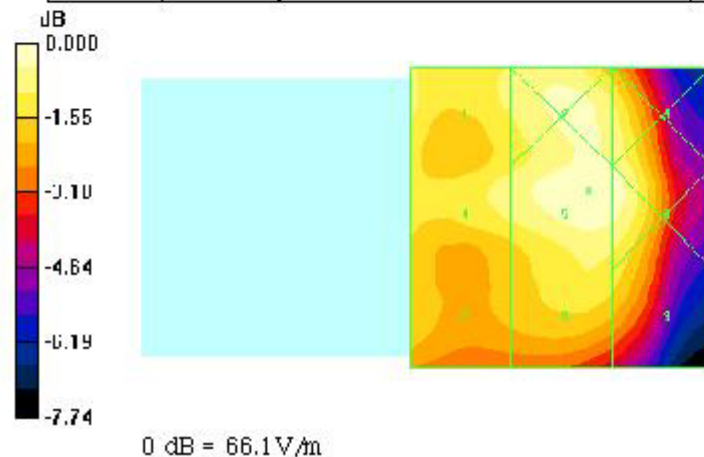
Reference Value = 66.1 V/m; Power Drift = 0.005 dB

**Hearing Aid Hear-Field Category: M3 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>60.4</b>	<b>63.7</b>	<b>62.6</b>
Grid 4	Grid 5	Grid 6
<b>60.6</b>	<b>66.1</b>	<b>64.8</b>
Grid 7	Grid 8	Grid 9
<b>55.6</b>	<b>58.8</b>	<b>57.5</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.0 V/m

Probe Modulation Factor = 1.00

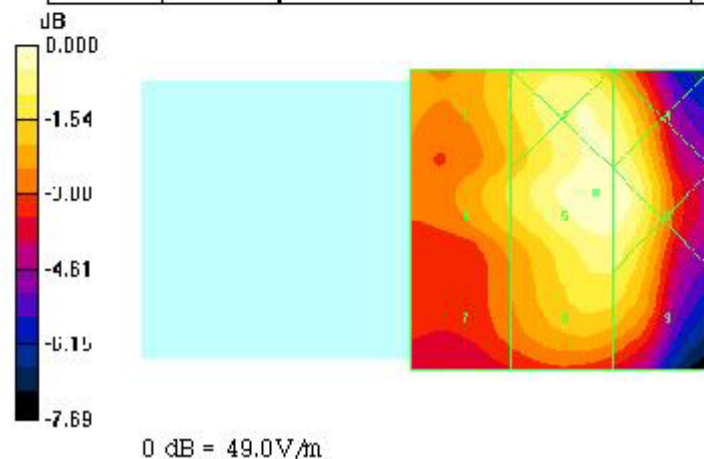
Reference Value = 45.8 V/m; Power Drift = 0.086 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>41.3</b>	<b>47.4</b>	<b>47.1</b>
Grid 4	Grid 5	Grid 6
<b>41.6</b>	<b>49.0</b>	<b>48.7</b>
Grid 7	Grid 8	Grid 9
<b>36.6</b>	<b>43.7</b>	<b>43.6</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; CorvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 57.3 V/m

Probe Modulation Factor = 1.00

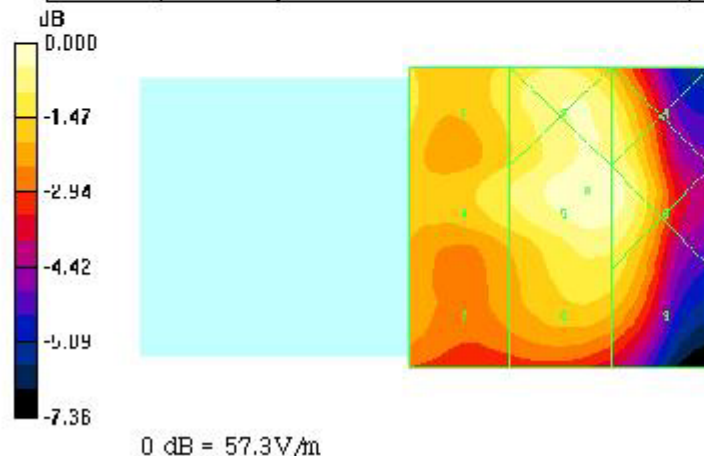
Reference Value = 55.0 V/m; Power Drift = -0.152 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>50.0</b>	<b>55.2</b>	<b>54.6</b>
Grid 4	Grid 5	Grid 6
<b>51.2</b>	<b>57.3</b>	<b>56.5</b>
Grid 7	Grid 8	Grid 9
<b>45.7</b>	<b>50.9</b>	<b>50.1</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak: Total field = 25.6 V/m

Probe Modulation Factor = 0.980

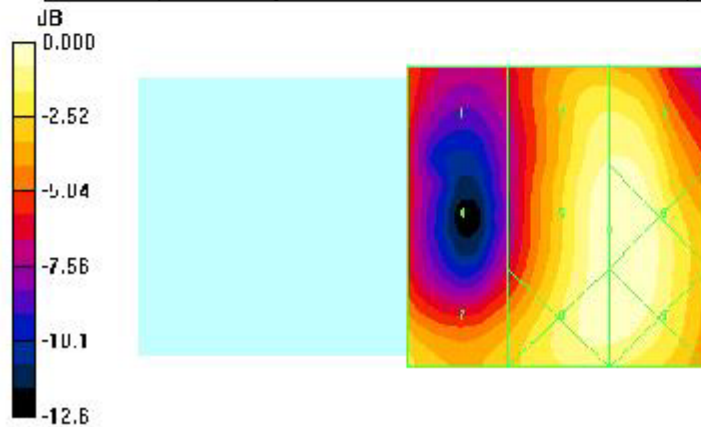
Reference Value = 18.4 V/m; Power Drift = -0.128 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>14.9</b>	<b>24.1</b>	<b>24.2</b>
Grid 4	Grid 5	Grid 6
<b>13.3</b>	<b>25.6</b>	<b>26.1</b>
Grid 7	Grid 8	Grid 9
<b>20.3</b>	<b>25.6</b>	<b>25.9</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SDHAC P01 BA

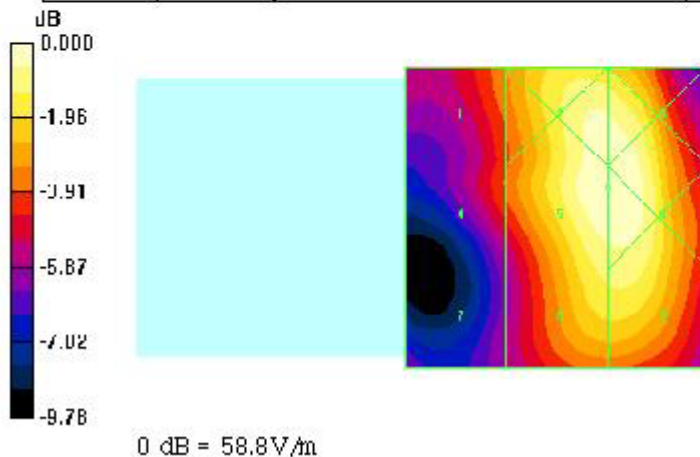
**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
Maximum value of peak Total field = 58.8 V/m  
Probe Modulation Factor = 0.980  
Reference Value = 48.1 V/m; Power Drift = 0.051 dB  
**Hearing Aid Hear-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>40.0</b>	<b>57.9</b>	<b>57.9</b>
Grid 4	Grid 5	Grid 6
<b>38.0</b>	<b>58.8</b>	<b>58.8</b>
Grid 7	Grid 8	Grid 9
<b>30.0</b>	<b>52.2</b>	<b>52.6</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SDHAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.0 V/m

Probe Modulation Factor = 0.880

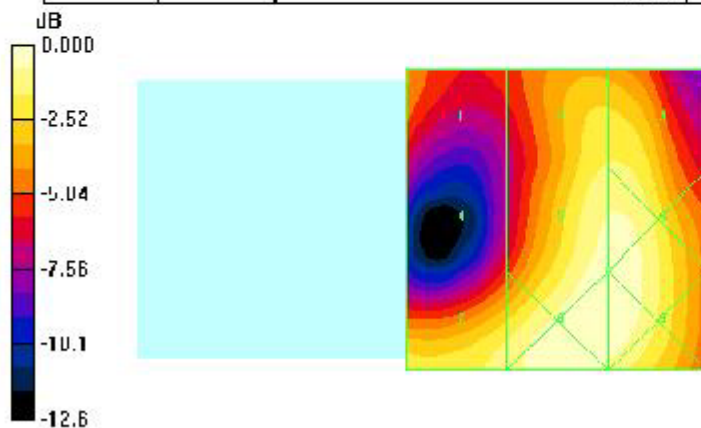
Reference Value = 16.0 V/m; Power Drift = -0.146 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>15.1</b>	<b>20.1</b>	<b>20.1</b>
Grid 4	Grid 5	Grid 6
<b>12.7</b>	<b>23.0</b>	<b>23.0</b>
Grid 7	Grid 8	Grid 9
<b>20.8</b>	<b>24.0</b>	<b>23.7</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



0 dB = 24.0 V/m

Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 51.4 V/m

Probe Modulation Factor = 0.980

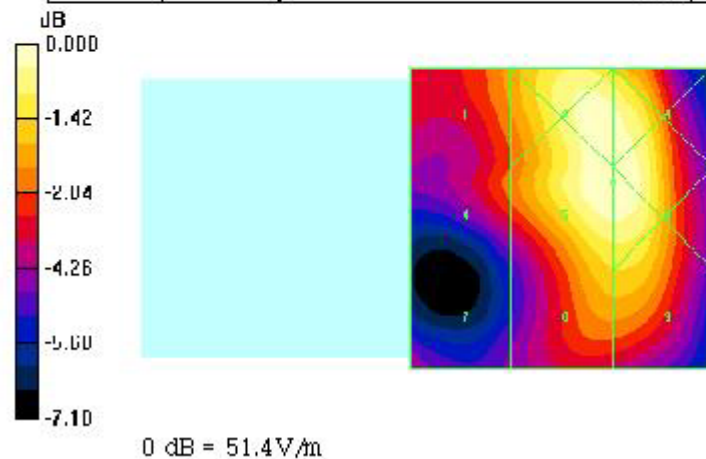
Reference Value = 44.8 V/m; Power Drift = -0.008 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>40.1</b>	<b>50.9</b>	<b>50.9</b>
Grid 4	Grid 5	Grid 6
<b>38.2</b>	<b>51.4</b>	<b>51.4</b>
Grid 7	Grid 8	Grid 9
<b>31.9</b>	<b>43.5</b>	<b>43.7</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak: Total field = 20.8 V/m

Probe Modulation Factor = 0.980

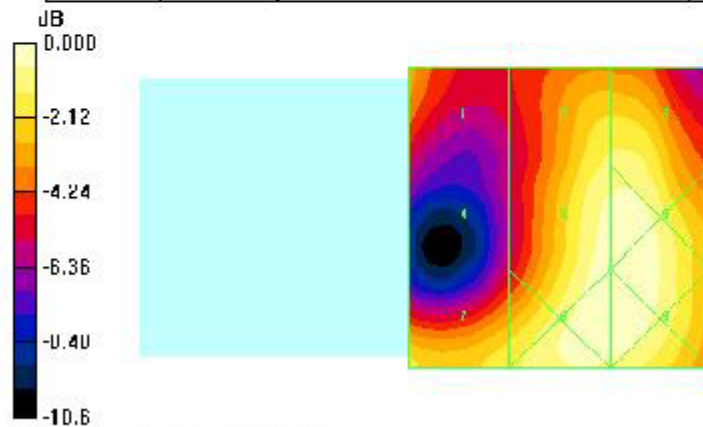
Reference Value = 15.0 V/m; Power Drift = 0.048 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>14.7</b>	<b>18.6</b>	<b>18.7</b>
Grid 4	Grid 5	Grid 6
<b>11.3</b>	<b>20.8</b>	<b>21.0</b>
Grid 7	Grid 8	Grid 9
<b>17.5</b>	<b>21.1</b>	<b>21.2</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



0 dB = 21.2 V/m



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2005-04-27

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 48.9 V/m

Probe Modulation Factor = 0.980

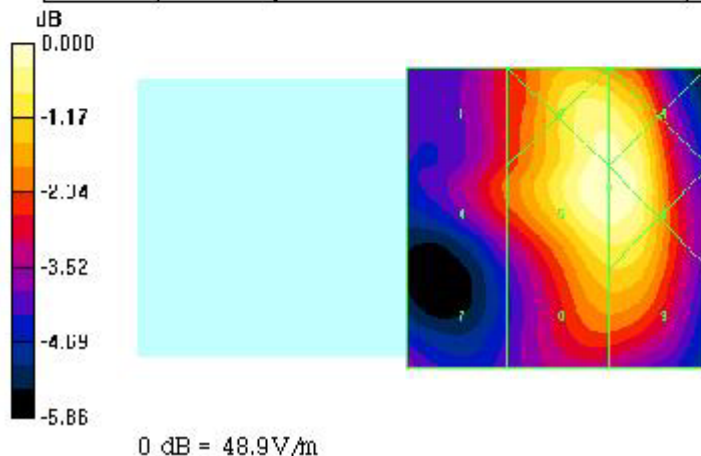
Reference Value = 42.8 V/m; Power Drift = -0.065 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
<b>36.3</b>	<b>48.1</b>	<b>48.1</b>
Grid 4	Grid 5	Grid 6
<b>37.9</b>	<b>48.9</b>	<b>48.9</b>
Grid 7	Grid 8	Grid 9
<b>32.6</b>	<b>42.5</b>	<b>42.7</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak: Total field = 0.092 A/m

Probe Modulation Factor = 1.00

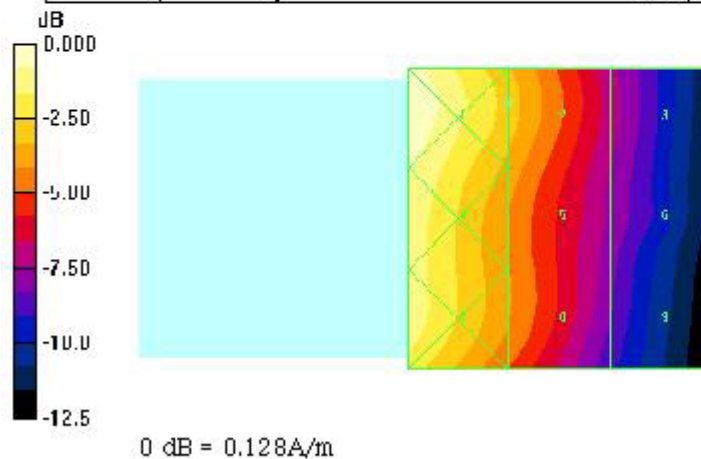
Reference Value = 0.068 A/m; Power Drift = -0.044 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.128</b>	<b>0.092</b>	<b>0.057</b>
Grid 4	Grid 5	Grid 6
<b>0.118</b>	<b>0.085</b>	<b>0.054</b>
Grid 7	Grid 8	Grid 9
<b>0.113</b>	<b>0.081</b>	<b>0.051</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0		0.6 - 1.07
	-5		0.45 - 0.8
M2	0		0.34 - 0.6
	-5		0.25 - 0.45
M3	0		0.19 - 0.34
	-5		0.15 - 0.25
M4	0		<0.19
	-5		<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

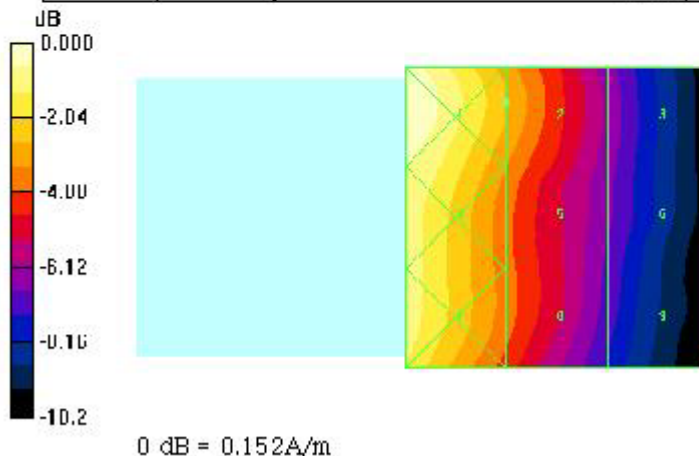
**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
Maximum value of peak Total field = 0.112 A/m  
Probe Modulation Factor = 1.00  
Reference Value = 0.078 A/m; Power Drift = 0.118 dB  
**Hearing Aid Hear-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.152</b>	<b>0.112</b>	<b>0.074</b>
Grid 4	Grid 5	Grid 6
<b>0.141</b>	<b>0.104</b>	<b>0.072</b>
Grid 7	Grid 8	Grid 9
<b>0.137</b>	<b>0.100</b>	<b>0.068</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0		199.5 - 354.8
	-5		149.6 - 266.1
M2	0		112.2 - 199.5
	-5		84.1 - 149.6
M3	0		63.1 - 112.2
	-5		47.3 - 84.1
M4	0		<63.1
	-5		<47.3



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

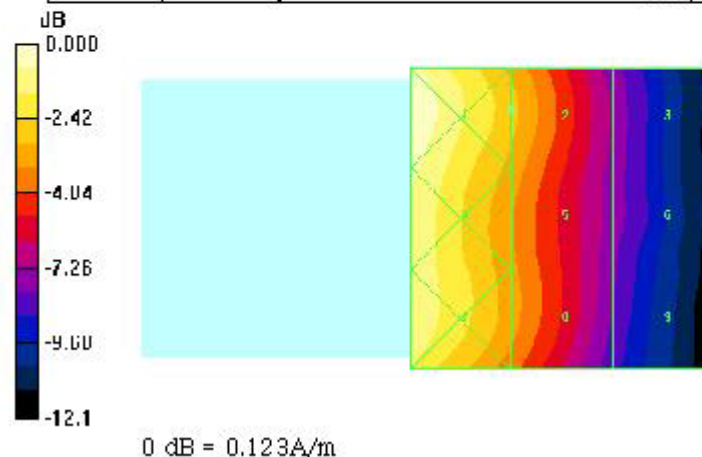
**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
Maximum value of peak: Total field = 0.088 A/m  
Probe Modulation Factor = 1.00  
Reference Value = 0.088 A/m; Power Drift = -0.188 dB  
**Hearing Aid Hear-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.123</b>	<b>0.088</b>	<b>0.052</b>
Grid 4	Grid 5	Grid 6
<b>0.115</b>	<b>0.082</b>	<b>0.051</b>
Grid 7	Grid 8	Grid 9
<b>0.112</b>	<b>0.081</b>	<b>0.050</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC F01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid:  $d_x=5$ mm,  $d_y=5$ mm

Maximum value of peak Total field = 0.108 A/m

Probe Modulation Factor = 1.00

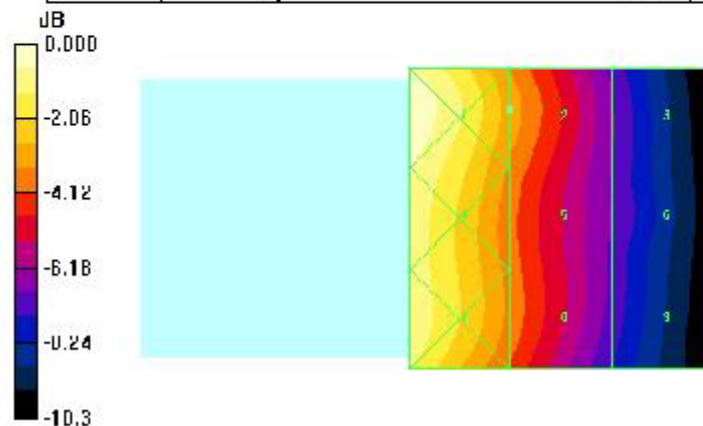
Reference Value = 0.080 A/m; Power Drift = -0.097 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.150</b>	<b>0.106</b>	<b>0.069</b>
Grid 4	Grid 5	Grid 6
<b>0.141</b>	<b>0.100</b>	<b>0.068</b>
Grid 7	Grid 8	Grid 9
<b>0.138</b>	<b>0.099</b>	<b>0.067</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



0 dB = 0.150 A/m

Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.082 A/m

Probe Modulation Factor = 1.00

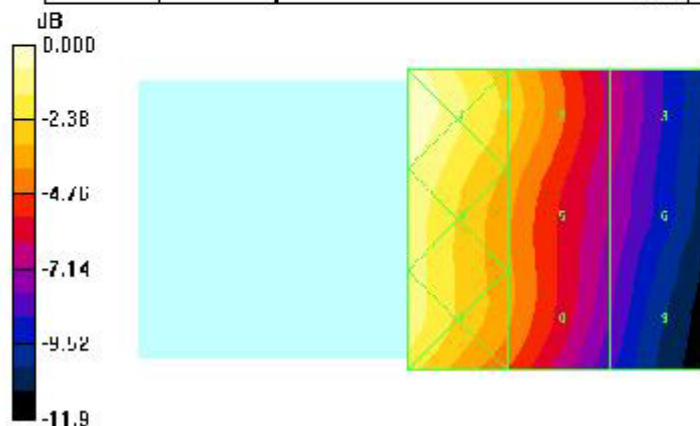
Reference Value = 0.056 A/m; Power Drift = 0.078 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.110</b>	<b>0.082</b>	<b>0.051</b>
Grid 4	Grid 5	Grid 6
<b>0.102</b>	<b>0.075</b>	<b>0.049</b>
Grid 7	Grid 8	Grid 9
<b>0.097</b>	<b>0.072</b>	<b>0.046</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



0 dB = 0.110 A/m



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2005-04-21
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.114 A/m

Probe Modulation Factor = 1.00

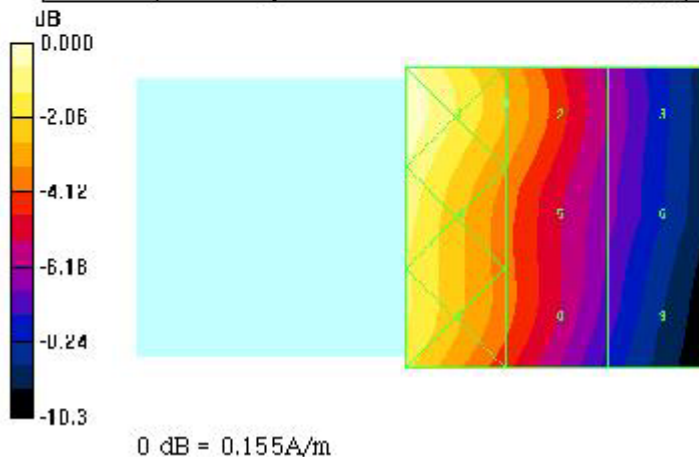
Reference Value = 0.088 A/m; Power Drift = -0.108 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.155</b>	<b>0.114</b>	<b>0.076</b>
Grid 4	Grid 5	Grid 6
<b>0.144</b>	<b>0.105</b>	<b>0.074</b>
Grid 7	Grid 8	Grid 9
<b>0.134</b>	<b>0.100</b>	<b>0.070</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.051 A/m

Probe Modulation Factor = 0.960

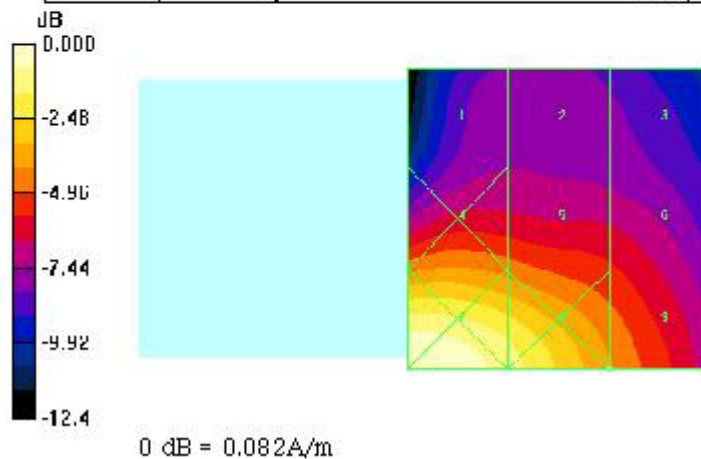
Reference Value = 0.044 A/m; Power Drift = 0.058 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.035</b>	<b>0.035</b>	<b>0.034</b>
Grid 4	Grid 5	Grid 6
<b>0.052</b>	<b>0.049</b>	<b>0.043</b>
Grid 7	Grid 8	Grid 9
<b>0.082</b>	<b>0.071</b>	<b>0.051</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.078 A/m

Probe Modulation Factor = 0.960

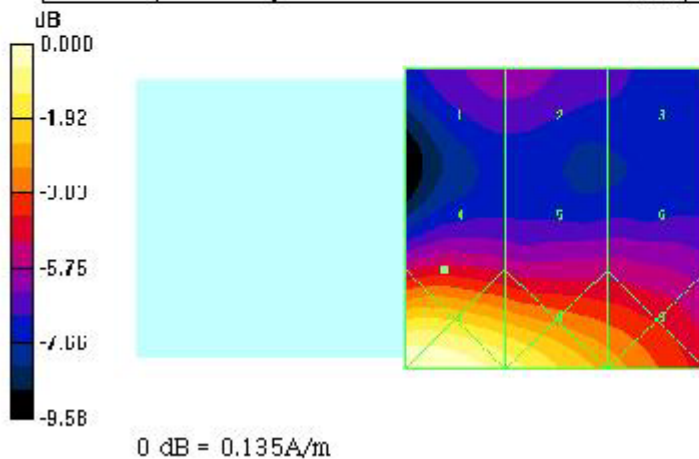
Reference Value = 0.068 A/m; Power Drift = -0.185 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.067</b>	<b>0.067</b>	<b>0.062</b>
Grid 4	Grid 5	Grid 6
<b>0.078</b>	<b>0.074</b>	<b>0.073</b>
Grid 7	Grid 8	Grid 9
<b>0.135</b>	<b>0.122</b>	<b>0.098</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: FCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.047 A/m

Probe Modulation Factor = 0.860

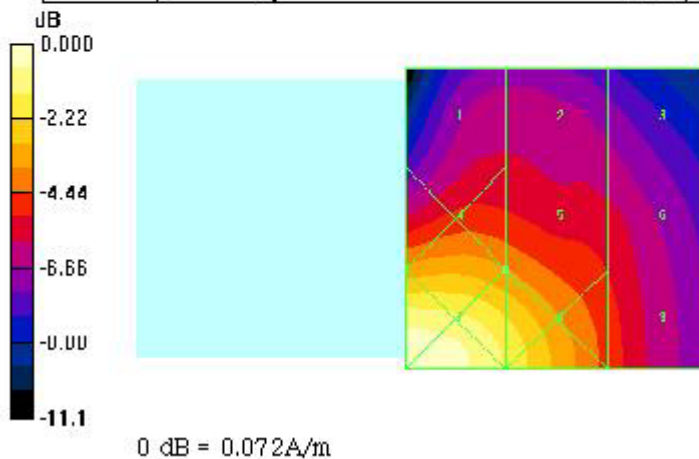
Reference Value = 0.042 A/m; Power Drift = 0.151 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.037</b>	<b>0.037</b>	<b>0.035</b>
Grid 4	Grid 5	Grid 6
<b>0.050</b>	<b>0.047</b>	<b>0.040</b>
Grid 7	Grid 8	Grid 9
<b>0.072</b>	<b>0.060</b>	<b>0.042</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm dy=5mm

Maximum value of peak Total field = 0.075 A/m

Probe Modulation Factor = 0.980

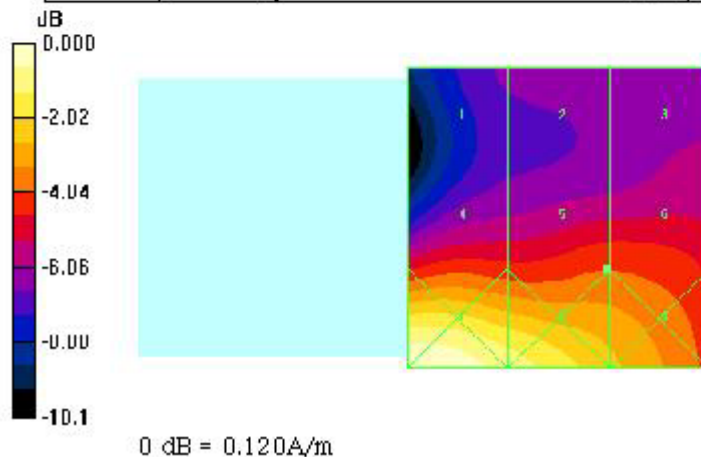
Reference Value = 0.068 A/m; Power Drift = 0.018 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.057</b>	<b>0.059</b>	<b>0.061</b>
Grid 4	Grid 5	Grid 6
<b>0.074</b>	<b>0.075</b>	<b>0.075</b>
Grid 7	Grid 8	Grid 9
<b>0.120</b>	<b>0.108</b>	<b>0.090</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15



Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.041 A/m

Probe Modulation Factor = 0.980

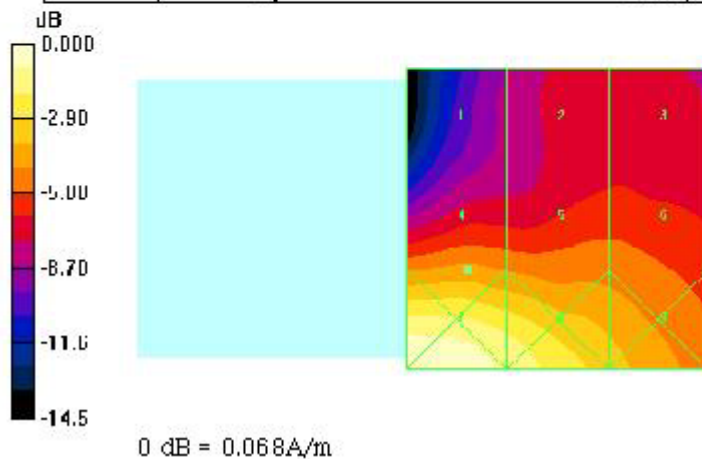
Reference Value = 0.032 A/m; Power Drift = 0.001 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.026</b>	<b>0.031</b>	<b>0.031</b>
Grid 4	Grid 5	Grid 6
<b>0.041</b>	<b>0.039</b>	<b>0.038</b>
Grid 7	Grid 8	Grid 9
<b>0.068</b>	<b>0.059</b>	<b>0.046</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15





Test Laboratory: HCT

**DUT: PN-315; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

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

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn614; Calibrated: 2005-04-21

- Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.067 A/m

Probe Modulation Factor = 0.960

Reference Value = 0.052 A/m; Power Drift = -0.111 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.049</b>	<b>0.055</b>	<b>0.056</b>
Grid 4	Grid 5	Grid 6
<b>0.055</b>	<b>0.063</b>	<b>0.067</b>
Grid 7	Grid 8	Grid 9
<b>0.114</b>	<b>0.100</b>	<b>0.085</b>

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19
	-5	<47.3	<0.15

