

**Channel 1013 Closed Position Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; 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> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**CELL\_1013/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 60.7 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 73.9 V/m; Power Drift = -0.060 dB

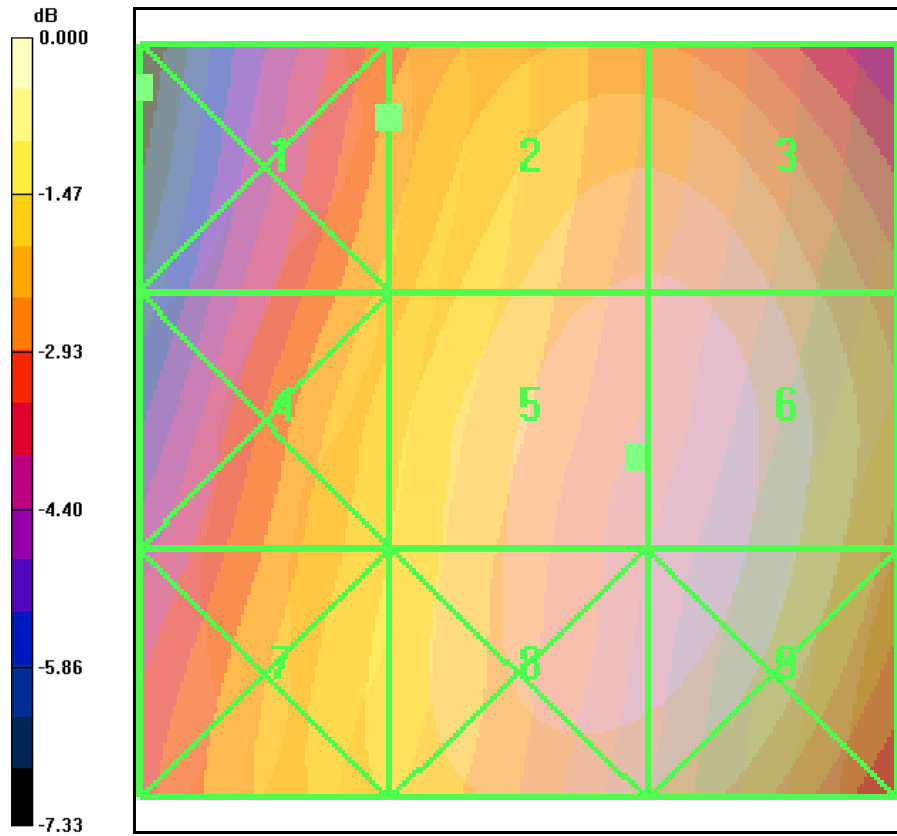
Peak E-field in V/m

Grid 1 <b>47.0 M4</b>	Grid 2 <b>57.9 M4</b>	Grid 3 <b>57.9 M4</b>
Grid 4 <b>51.4 M4</b>	Grid 5 <b>60.7 M4</b>	Grid 6 <b>60.7 M4</b>
Grid 7 <b>52.5 M4</b>	Grid 8 <b>60.4 M4</b>	Grid 9 <b>60.3 M4</b>

**CELL\_1013/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.122 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.091 A/m; Power Drift = 0.099 dB

Peak H-field in A/m

Grid 1 <b>0.152 M4</b>	Grid 2 <b>0.122 M4</b>	Grid 3 <b>0.080 M4</b>
Grid 4 <b>0.143 M4</b>	Grid 5 <b>0.115 M4</b>	Grid 6 <b>0.076 M4</b>
Grid 7 <b>0.135 M4</b>	Grid 8 <b>0.106 M4</b>	Grid 9 <b>0.068 M4</b>



0 dB = 60.7V/m

**Channel 383 Closed Position Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 836.49 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**CELL\_383/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 85.8 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 104.7 V/m; Power Drift = -0.033 dB

Peak E-field in V/m

Grid 1 <b>68.0 M4</b>	Grid 2 <b>83.1 M4</b>	Grid 3 <b>83.1 M4</b>
Grid 4 <b>71.1 M4</b>	Grid 5 <b>85.8 M4</b>	Grid 6 <b>85.8 M4</b>
Grid 7 <b>71.4 M4</b>	Grid 8 <b>84.5 M4</b>	Grid 9 <b>84.5 M4</b>

**CELL\_383/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.137 A/m

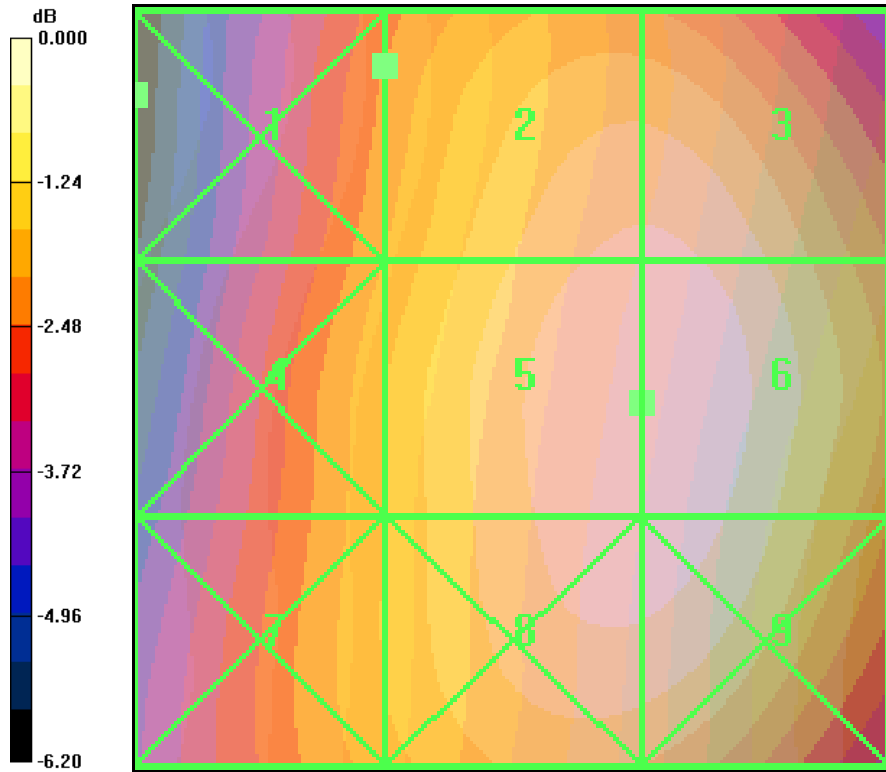
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.108 A/m; Power Drift = 0.166 dB

Peak H-field in A/m

Grid 1 <b>0.188 M4</b>	Grid 2 <b>0.137 M4</b>	Grid 3 <b>0.092 M4</b>
Grid 4 <b>0.174 M4</b>	Grid 5 <b>0.130 M4</b>	Grid 6 <b>0.087 M4</b>
Grid 7 <b>0.164 M4</b>	Grid 8 <b>0.122 M4</b>	Grid 9 <b>0.079 M4</b>



0 dB = 85.8V/m

**Channel 777 Closed Position Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; 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> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**CELL\_777/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 68.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 82.5 V/m; Power Drift = -0.057 dB

Peak E-field in V/m

Grid 1 <b>53.2 M4</b>	Grid 2 <b>68.0 M4</b>	Grid 3 <b>67.5 M4</b>
Grid 4 <b>55.0 M4</b>	Grid 5 <b>68.9 M4</b>	Grid 6 <b>67.1 M4</b>
Grid 7 <b>54.7 M4</b>	Grid 8 <b>68.4 M4</b>	Grid 9 <b>65.8 M4</b>

**CELL\_777/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.133 A/m

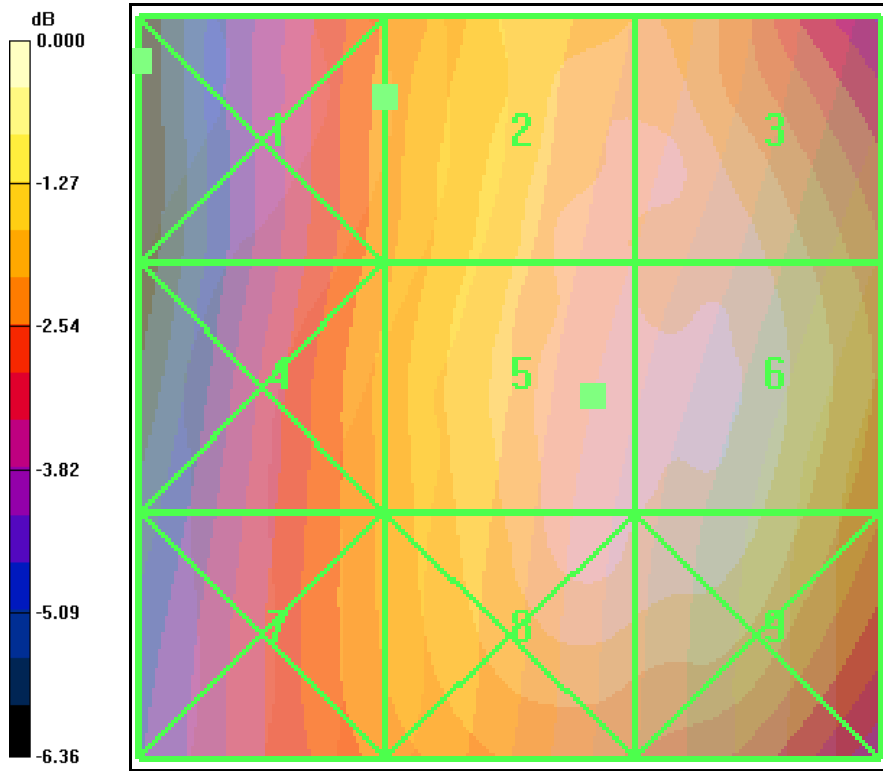
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.104 A/m; Power Drift = -0.136 dB

Peak H-field in A/m

Grid 1 <b>0.171 M4</b>	Grid 2 <b>0.133 M4</b>	Grid 3 <b>0.091 M4</b>
Grid 4 <b>0.158 M4</b>	Grid 5 <b>0.125 M4</b>	Grid 6 <b>0.084 M4</b>
Grid 7 <b>0.152 M4</b>	Grid 8 <b>0.115 M4</b>	Grid 9 <b>0.074 M4</b>



0 dB = 68.9V/m

**Channel 383 Closed Position 360 degrees**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 836.49 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**CELL\_383 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 86.2 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 107.1 V/m; Power Drift = -0.192 dB

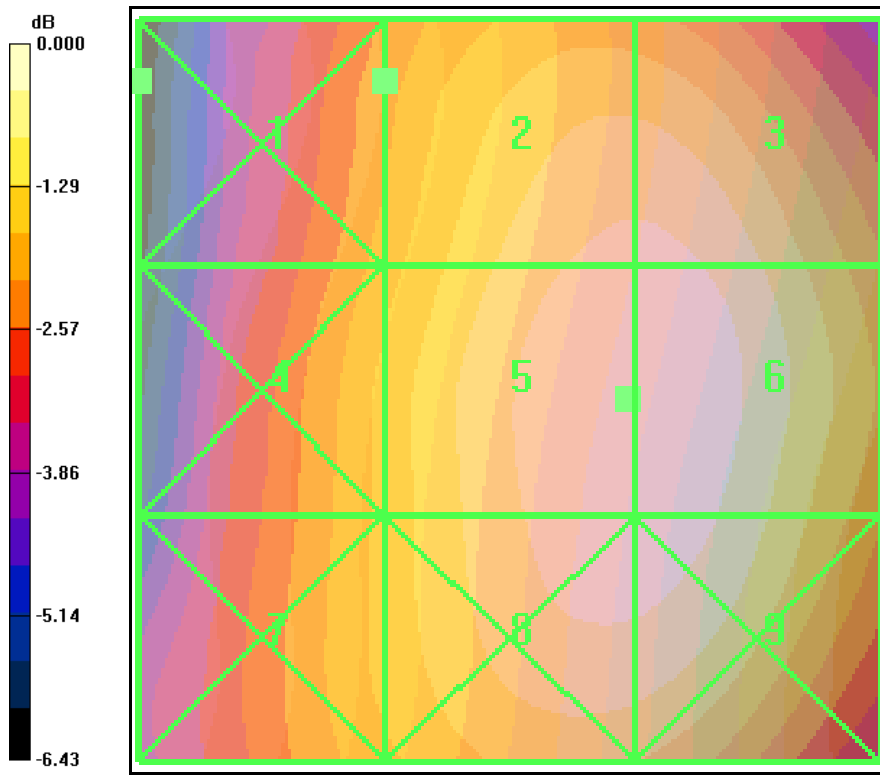
Peak E-field in V/m

Grid 1 <b>69.0 M4</b>	Grid 2 <b>83.6 M4</b>	Grid 3 <b>83.6 M4</b>
Grid 4 <b>72.0 M4</b>	Grid 5 <b>86.2 M4</b>	Grid 6 <b>86.2 M4</b>
Grid 7 <b>72.1 M4</b>	Grid 8 <b>84.9 M4</b>	Grid 9 <b>84.9 M4</b>

**CELL\_383 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.149 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.117 A/m; Power Drift = 0.002 dB

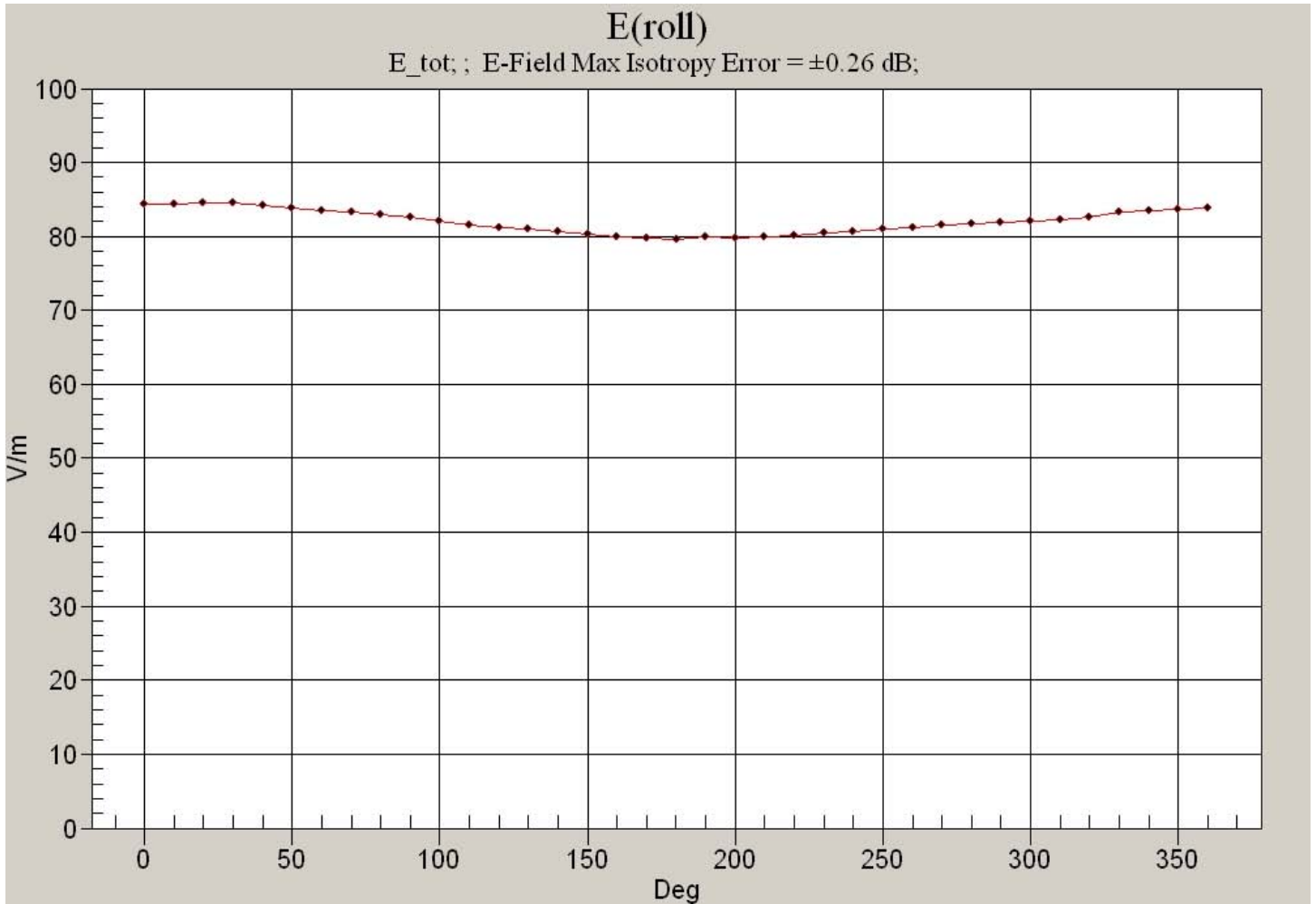
Peak H-field in A/m

Grid 1 <b>0.195 M4</b>	Grid 2 <b>0.149 M4</b>	Grid 3 <b>0.100 M4</b>
Grid 4 <b>0.183 M4</b>	Grid 5 <b>0.141 M4</b>	Grid 6 <b>0.095 M4</b>
Grid 7 <b>0.177 M4</b>	Grid 8 <b>0.132 M4</b>	Grid 9 <b>0.086 M4</b>



0 dB = 86.2V/m





**Channel 383 Closed Position Bluetooth On**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 836.49 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**CELL\_383\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 86.9 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 104.7 V/m; Power Drift = 0.035 dB

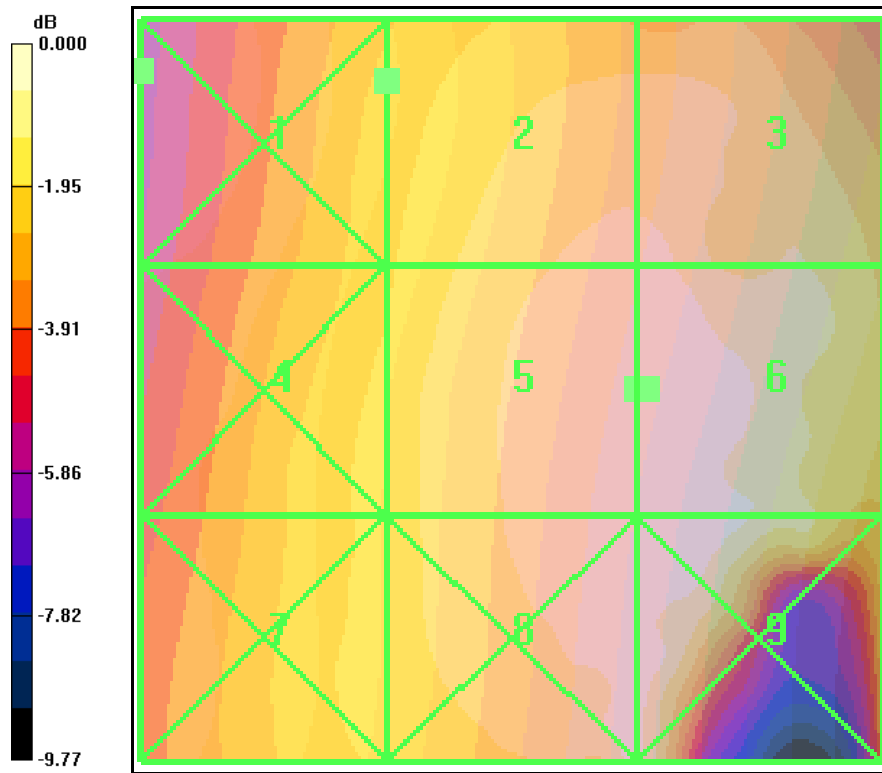
Peak E-field in V/m

Grid 1 <b>68.6 M4</b>	Grid 2 <b>82.7 M4</b>	Grid 3 <b>82.7 M4</b>
Grid 4 <b>72.2 M4</b>	Grid 5 <b>86.8 M4</b>	Grid 6 <b>86.9 M4</b>
Grid 7 <b>72.5 M4</b>	Grid 8 <b>85.6 M4</b>	Grid 9 <b>85.6 M4</b>

**CELL\_383\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.142 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.112 A/m; Power Drift = -0.090 dB

Peak H-field in A/m

Grid 1 <b>0.183 M4</b>	Grid 2 <b>0.142 M4</b>	Grid 3 <b>0.095 M4</b>
Grid 4 <b>0.169 M4</b>	Grid 5 <b>0.134 M4</b>	Grid 6 <b>0.090 M4</b>
Grid 7 <b>0.165 M4</b>	Grid 8 <b>0.127 M4</b>	Grid 9 <b>0.081 M4</b>



0 dB = 86.9V/m

**CDMA 1700 Channel 25 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1711.25 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**AWS\_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 40.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 35.3 V/m; Power Drift = 0.010 dB

Peak E-field in V/m

Grid 1 <b>30.6 M4</b>	Grid 2 <b>26.8 M4</b>	Grid 3 <b>27.4 M4</b>
Grid 4 <b>31.2 M4</b>	Grid 5 <b>40.2 M4</b>	Grid 6 <b>40.2 M4</b>
Grid 7 <b>42.3 M4</b>	Grid 8 <b>45.6 M4</b>	Grid 9 <b>44.5 M4</b>

**AWS\_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.108 A/m

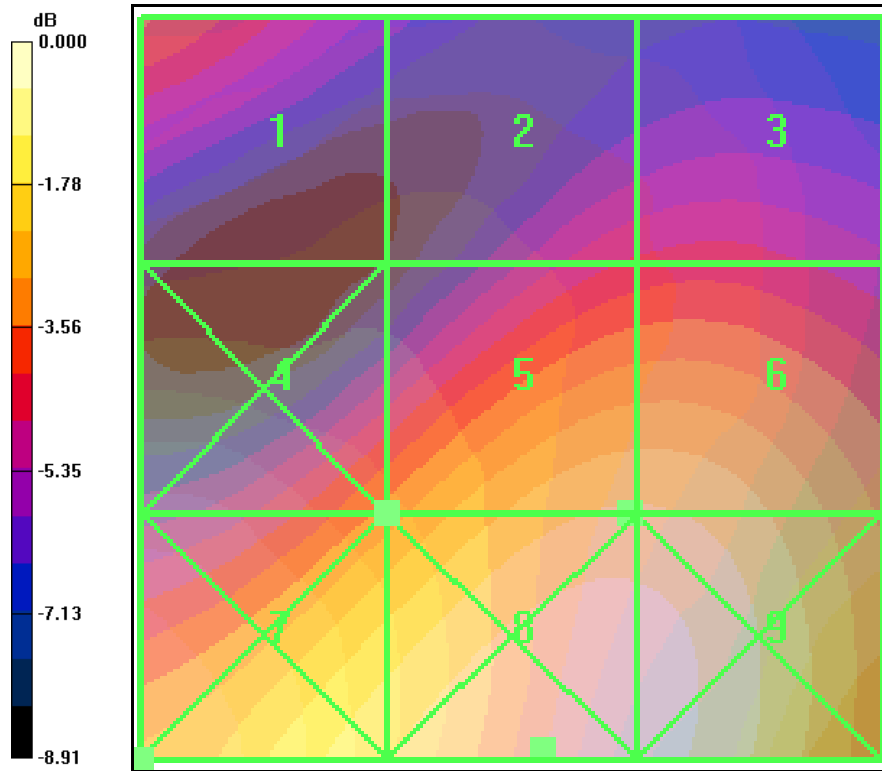
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.107 A/m; Power Drift = 0.115 dB

Peak H-field in A/m

Grid 1 <b>0.096 M4</b>	Grid 2 <b>0.097 M4</b>	Grid 3 <b>0.089 M4</b>
Grid 4 <b>0.122 M4</b>	Grid 5 <b>0.108 M4</b>	Grid 6 <b>0.090 M4</b>
Grid 7 <b>0.143 M4</b>	Grid 8 <b>0.114 M4</b>	Grid 9 <b>0.085 M4</b>



0 dB = 45.6V/m

**CDMA 1700 Channel 450 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**AWS\_450/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 41.1 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 24.6 V/m; Power Drift = 0.052 dB

Peak E-field in V/m

Grid 1 <b>41.1 M4</b>	Grid 2 <b>31.9 M4</b>	Grid 3 <b>23.5 M4</b>
Grid 4 <b>29.4 M4</b>	Grid 5 <b>35.9 M4</b>	Grid 6 <b>36.4 M4</b>
Grid 7 <b>41.1 M4</b>	Grid 8 <b>44.5 M4</b>	Grid 9 <b>43.9 M4</b>

**AWS\_450/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.103 A/m

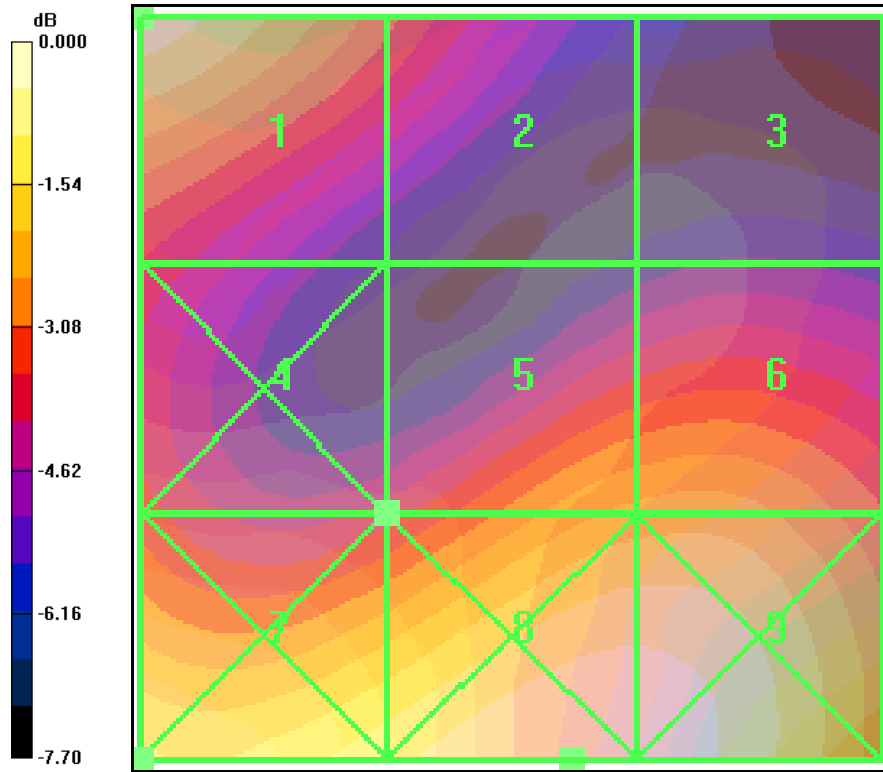
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.106 A/m; Power Drift = 0.042 dB

Peak H-field in A/m

Grid 1 <b>0.093 M4</b>	Grid 2 <b>0.100 M4</b>	Grid 3 <b>0.100 M4</b>
Grid 4 <b>0.106 M4</b>	Grid 5 <b>0.103 M4</b>	Grid 6 <b>0.101 M4</b>
Grid 7 <b>0.126 M4</b>	Grid 8 <b>0.112 M4</b>	Grid 9 <b>0.094 M4</b>



0 dB = 44.5V/m

**CDMA 1700 Channel 875 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1753.75 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**AWS\_875/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 30.5 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 24.1 V/m; Power Drift = -0.108 dB

Peak E-field in V/m

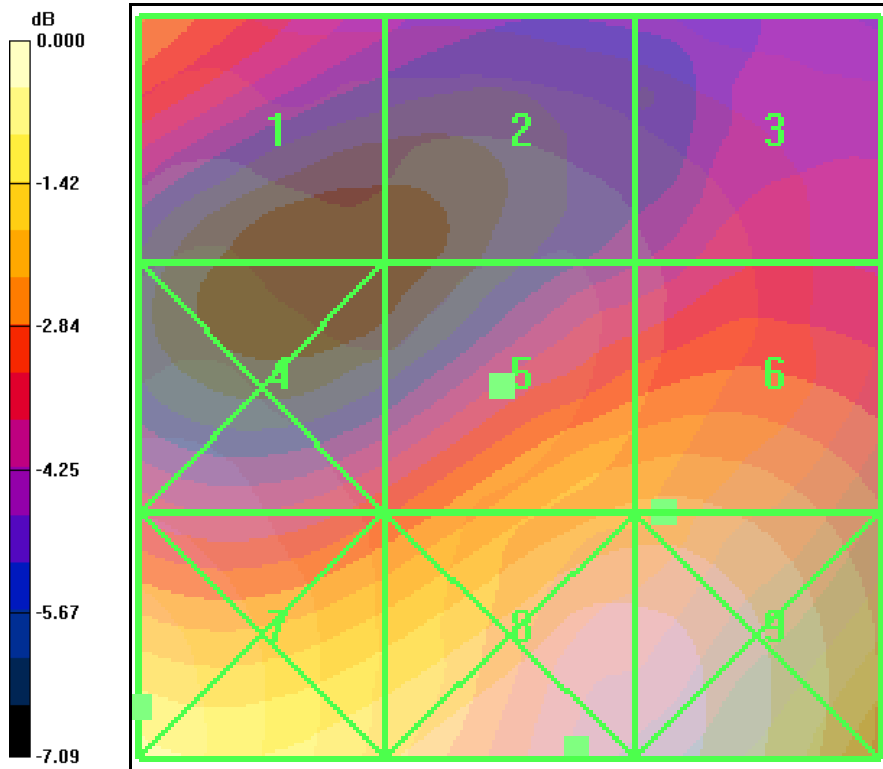
Grid 1 <b>27.0 M4</b>	Grid 2 <b>20.9 M4</b>	Grid 3 <b>22.8 M4</b>
Grid 4 <b>23.9 M4</b>	Grid 5 <b>30.4 M4</b>	Grid 6 <b>30.5 M4</b>
Grid 7 <b>33.1 M4</b>	Grid 8 <b>35.2 M4</b>	Grid 9 <b>34.8 M4</b>

**AWS\_875/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.093 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.097 A/m; Power Drift = -0.100 dB

Peak H-field in A/m

Grid 1 <b>0.090 M4</b>	Grid 2 <b>0.089 M4</b>	Grid 3 <b>0.086 M4</b>
Grid 4 <b>0.103 M4</b>	Grid 5 <b>0.093 M4</b>	Grid 6 <b>0.086 M4</b>
Grid 7 <b>0.114 M4</b>	Grid 8 <b>0.093 M4</b>	Grid 9 <b>0.081 M4</b>





0 dB = 35.2V/m

**CDMA 1700 Channel 25 Closed 360 degrees**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1711.25 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**AWS\_25 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 41.3 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 35.9 V/m; Power Drift = 0.063 dB

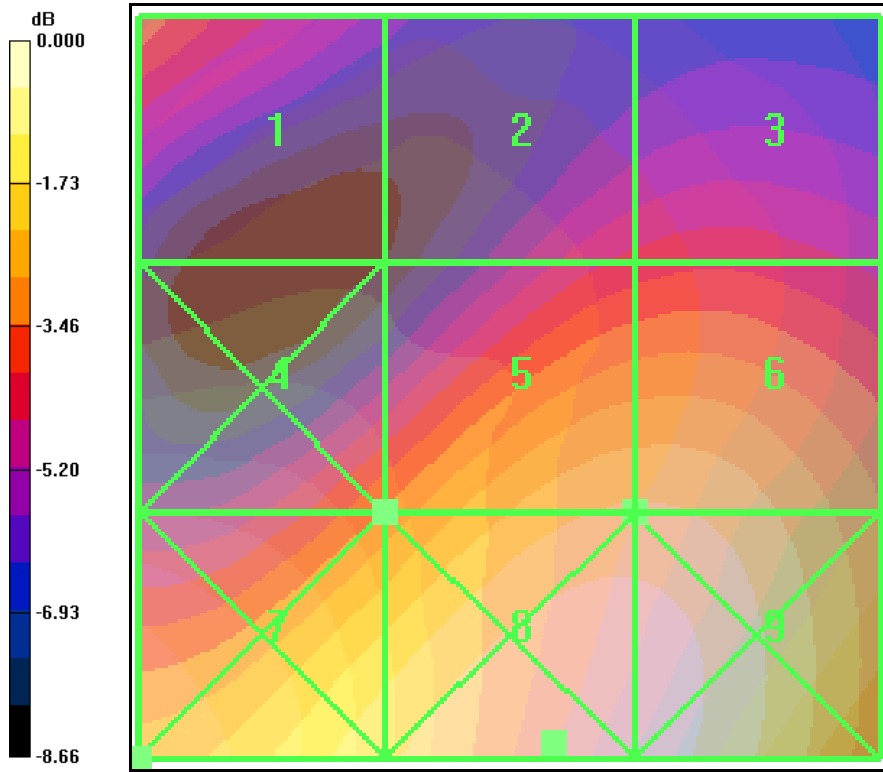
Peak E-field in V/m

Grid 1 <b>32.7 M4</b>	Grid 2 <b>28.1 M4</b>	Grid 3 <b>28.9 M4</b>
Grid 4 <b>31.6 M4</b>	Grid 5 <b>41.3 M4</b>	Grid 6 <b>41.3 M4</b>
Grid 7 <b>43.0 M4</b>	Grid 8 <b>46.6 M4</b>	Grid 9 <b>45.7 M4</b>

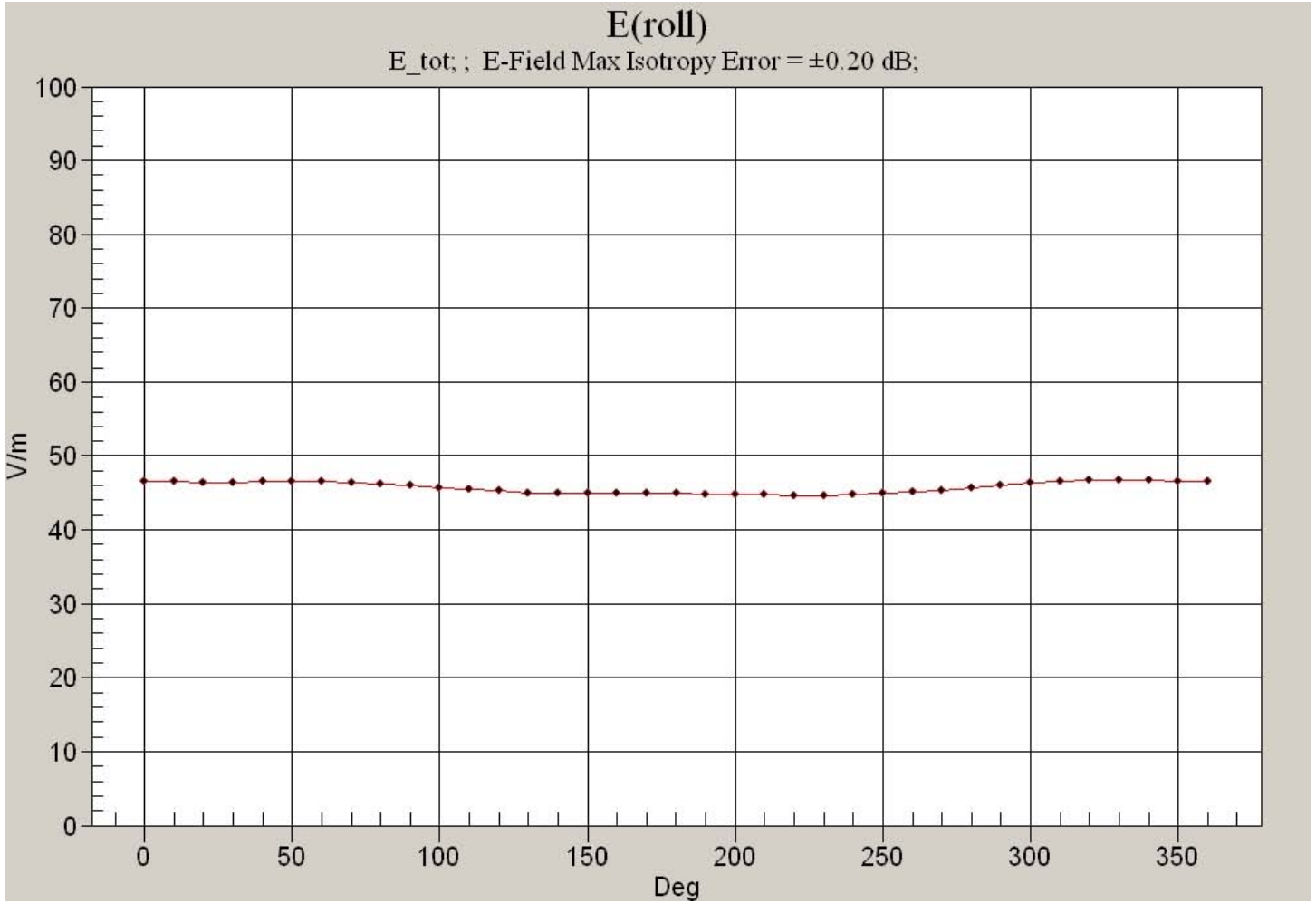
**AWS\_25 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.109 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.109 A/m; Power Drift = -0.032 dB

Peak H-field in A/m

Grid 1 <b>0.098 M4</b>	Grid 2 <b>0.097 M4</b>	Grid 3 <b>0.090 M4</b>
Grid 4 <b>0.121 M4</b>	Grid 5 <b>0.109 M4</b>	Grid 6 <b>0.092 M4</b>
Grid 7 <b>0.146 M4</b>	Grid 8 <b>0.115 M4</b>	Grid 9 <b>0.087 M4</b>



0 dB = 46.6V/m



**CDMA 1700 Channel 25 Closed Bluetooth On**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1711.25 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**AWS\_25\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 39.6 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 35.3 V/m; Power Drift = -0.111 dB

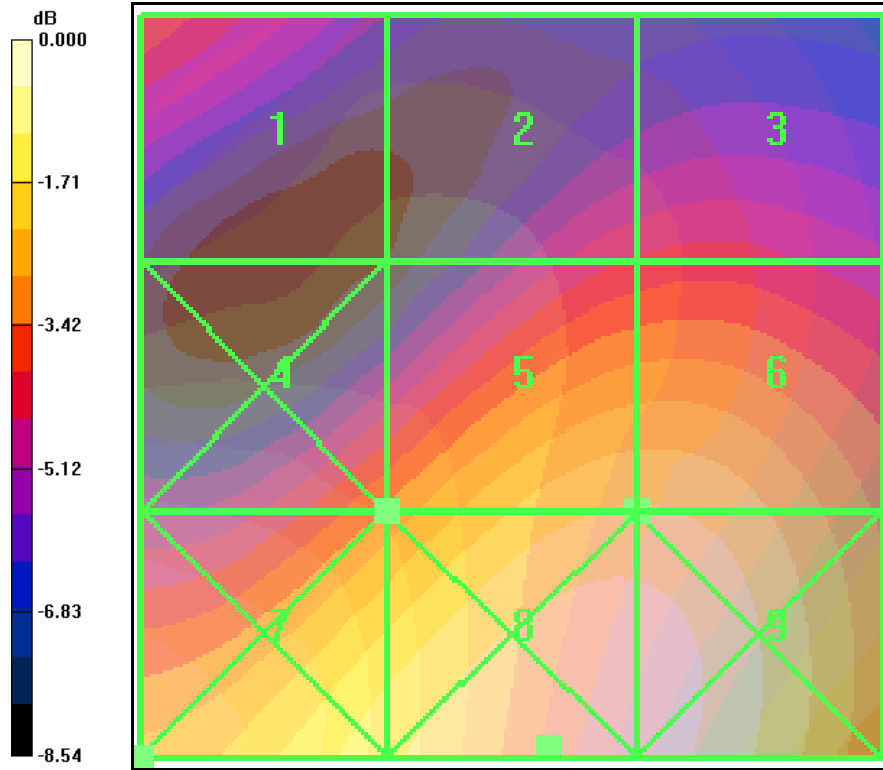
Peak E-field in V/m

Grid 1 <b>29.9 M4</b>	Grid 2 <b>26.8 M4</b>	Grid 3 <b>27.5 M4</b>
Grid 4 <b>30.6 M4</b>	Grid 5 <b>39.6 M4</b>	Grid 6 <b>39.6 M4</b>
Grid 7 <b>41.3 M4</b>	Grid 8 <b>44.8 M4</b>	Grid 9 <b>43.9 M4</b>

**AWS\_25\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.107 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.104 A/m; Power Drift = 0.067 dB

Peak H-field in A/m

Grid 1 <b>0.097 M4</b>	Grid 2 <b>0.097 M4</b>	Grid 3 <b>0.092 M4</b>
Grid 4 <b>0.116 M4</b>	Grid 5 <b>0.107 M4</b>	Grid 6 <b>0.092 M4</b>
Grid 7 <b>0.138 M4</b>	Grid 8 <b>0.112 M4</b>	Grid 9 <b>0.085 M4</b>



0 dB = 44.8V/m

**CDMA 1900 Channel 25 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1850 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**PCS\_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 30.0 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 18.3 V/m; Power Drift = 0.718 dB

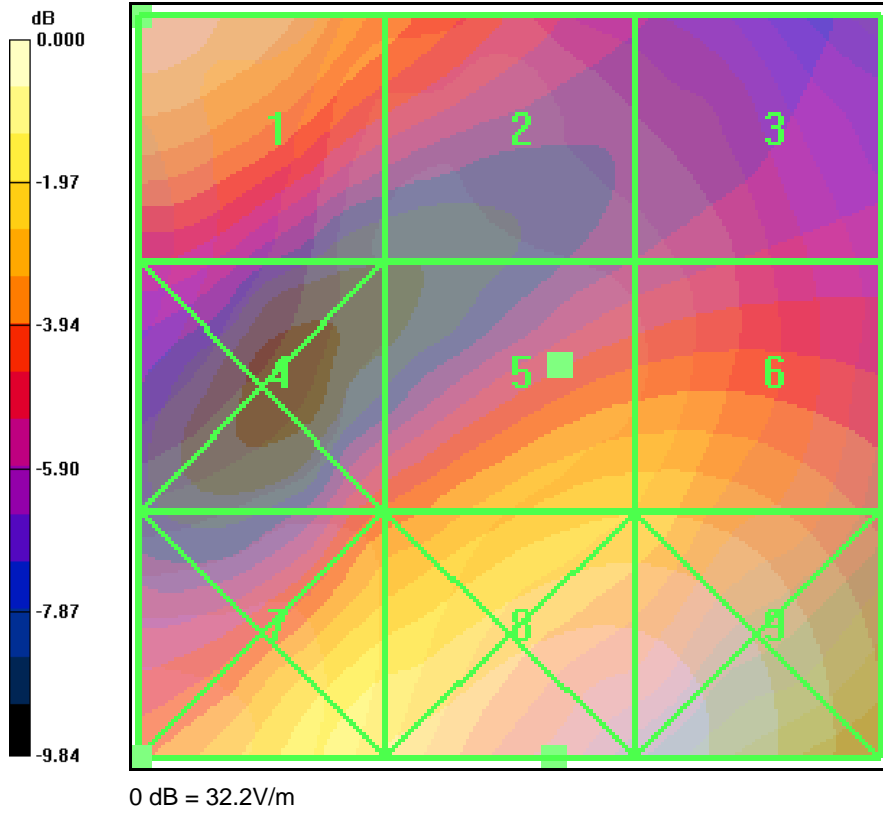
Peak E-field in V/m

Grid 1 <b>30.0 M4</b>	Grid 2 <b>21.5 M4</b>	Grid 3 <b>17.0 M4</b>
Grid 4 <b>19.3 M4</b>	Grid 5 <b>25.6 M4</b>	Grid 6 <b>25.6 M4</b>
Grid 7 <b>30.0 M4</b>	Grid 8 <b>32.2 M4</b>	Grid 9 <b>31.6 M4</b>

**PCS\_25/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.096 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.102 A/m; Power Drift = -0.141 dB

Peak H-field in A/m

Grid 1 <b>0.094 M4</b>	Grid 2 <b>0.095 M4</b>	Grid 3 <b>0.091 M4</b>
Grid 4 <b>0.096 M4</b>	Grid 5 <b>0.096 M4</b>	Grid 6 <b>0.094 M4</b>
Grid 7 <b>0.109 M4</b>	Grid 8 <b>0.097 M4</b>	Grid 9 <b>0.089 M4</b>





**CDMA 1900 Channel 600 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**PCS\_600/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 26.9 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 16.0 V/m; Power Drift = -0.074 dB

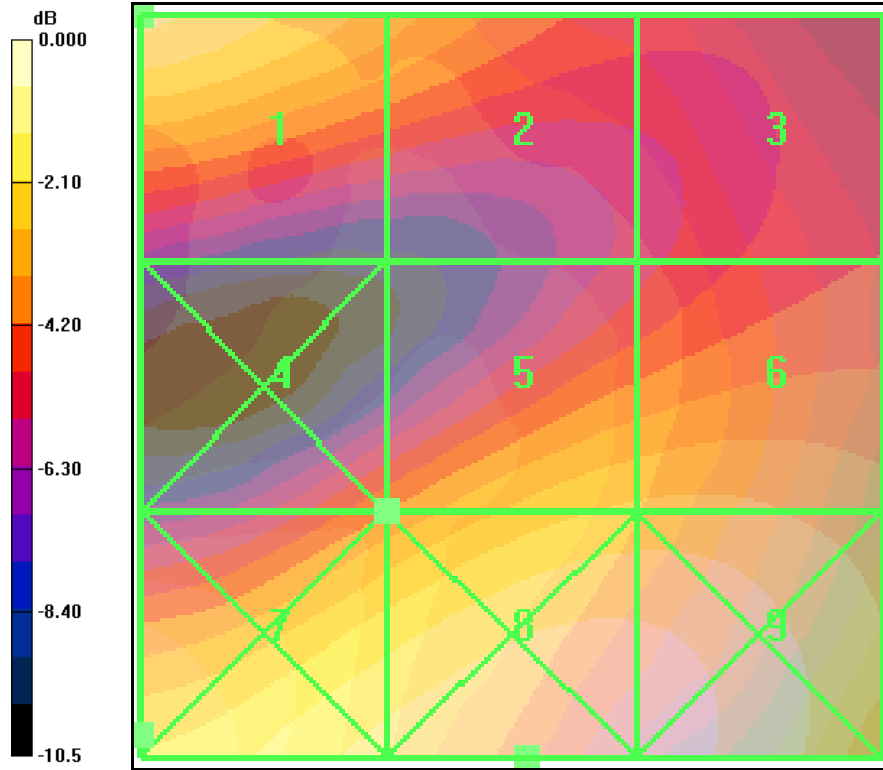
Peak E-field in V/m

Grid 1 <b>26.9 M4</b>	Grid 2 <b>21.6 M4</b>	Grid 3 <b>17.7 M4</b>
Grid 4 <b>17.6 M4</b>	Grid 5 <b>22.8 M4</b>	Grid 6 <b>23.0 M4</b>
Grid 7 <b>27.1 M4</b>	Grid 8 <b>28.5 M4</b>	Grid 9 <b>27.7 M4</b>

**PCS\_600/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.080 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.087 A/m; Power Drift = 0.084 dB

Peak H-field in A/m

Grid 1 <b>0.075 M4</b>	Grid 2 <b>0.075 M4</b>	Grid 3 <b>0.069 M4</b>
Grid 4 <b>0.081 M4</b>	Grid 5 <b>0.080 M4</b>	Grid 6 <b>0.072 M4</b>
Grid 7 <b>0.097 M4</b>	Grid 8 <b>0.080 M4</b>	Grid 9 <b>0.068 M4</b>



0 dB = 28.5V/m

**CDMA 1900 Channel 1175 Closed Bluetooth Off**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1910 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**PCS\_1175/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 27.9 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 18.6 V/m; Power Drift = 0.142 dB

Peak E-field in V/m

Grid 1 <b>33.2 M4</b>	Grid 2 <b>29.8 M4</b>	Grid 3 <b>25.8 M4</b>
Grid 4 <b>19.0 M4</b>	Grid 5 <b>24.3 M4</b>	Grid 6 <b>24.7 M4</b>
Grid 7 <b>27.3 M4</b>	Grid 8 <b>27.9 M4</b>	Grid 9 <b>26.9 M4</b>

**PCS\_1175/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.109 A/m

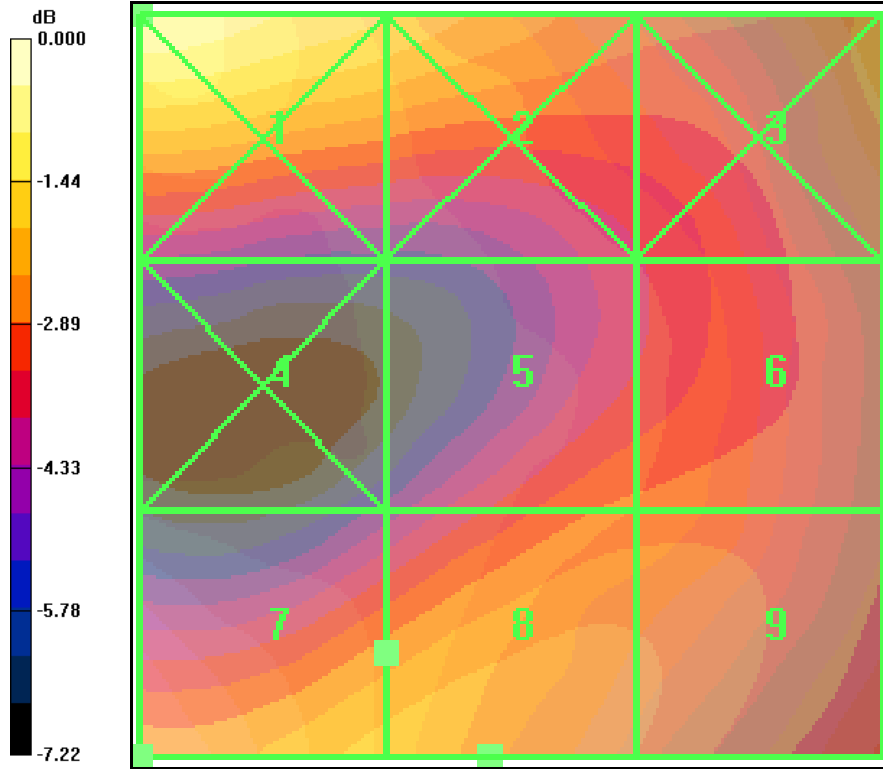
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.098 A/m; Power Drift = -0.109 dB

Peak H-field in A/m

Grid 1 <b>0.097 M4</b>	Grid 2 <b>0.087 M4</b>	Grid 3 <b>0.082 M4</b>
Grid 4 <b>0.089 M4</b>	Grid 5 <b>0.089 M4</b>	Grid 6 <b>0.083 M4</b>
Grid 7 <b>0.109 M4</b>	Grid 8 <b>0.089 M4</b>	Grid 9 <b>0.081 M4</b>



**CDMA 1900 Channel 1175 Closed 360 degrees**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1910 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**PCS\_1175 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 27.8 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 18.2 V/m; Power Drift = 0.076 dB

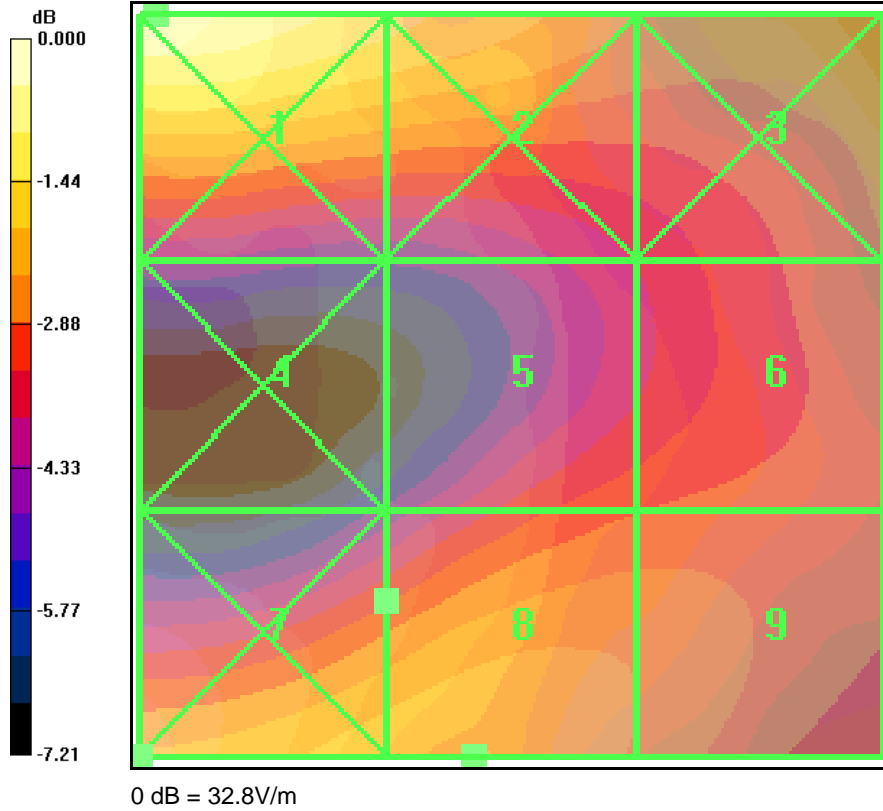
Peak E-field in V/m

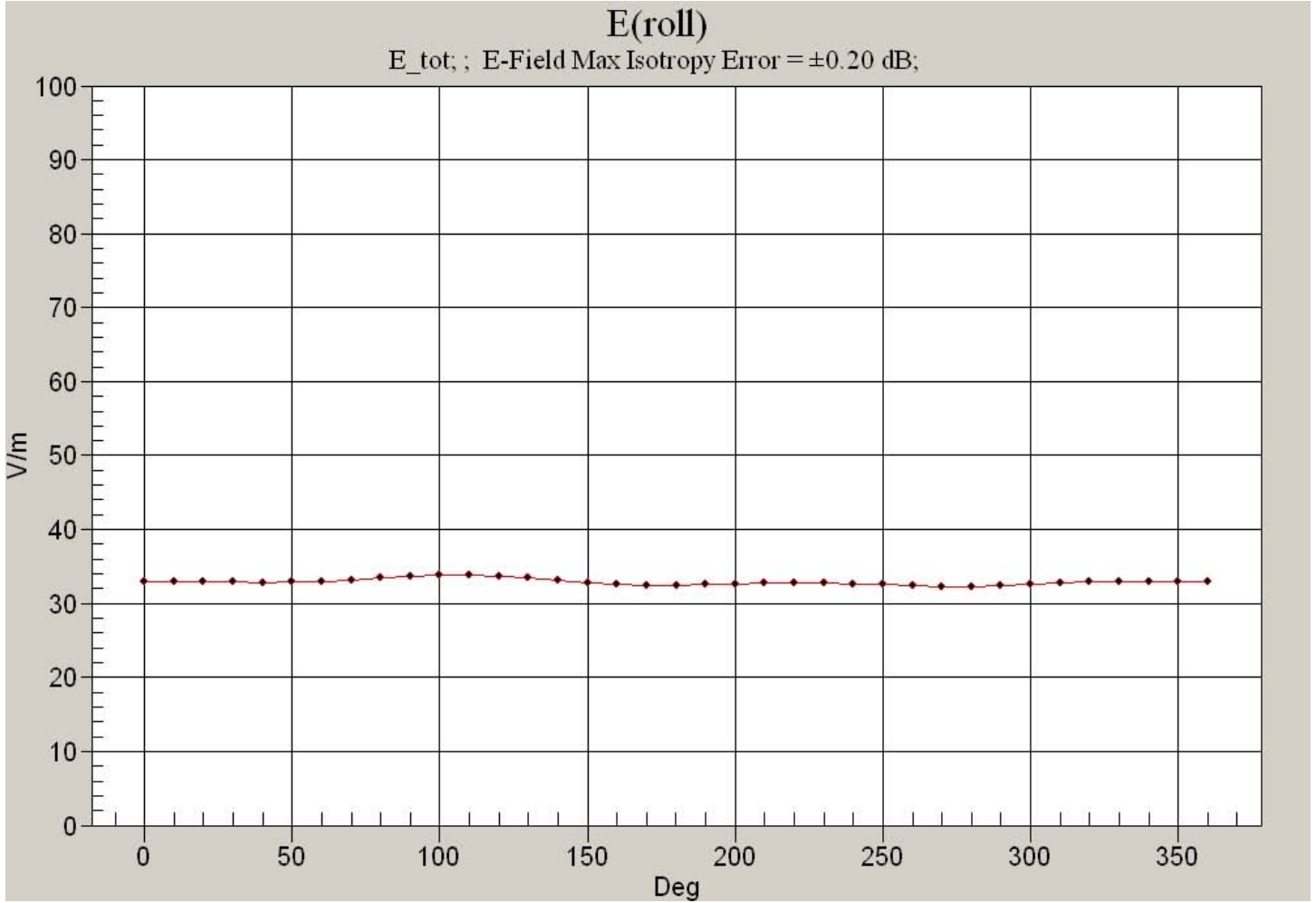
Grid 1 <b>32.8 M4</b>	Grid 2 <b>30.2 M4</b>	Grid 3 <b>26.4 M4</b>
Grid 4 <b>18.9 M4</b>	Grid 5 <b>23.5 M4</b>	Grid 6 <b>24.8 M4</b>
Grid 7 <b>27.3 M4</b>	Grid 8 <b>27.8 M4</b>	Grid 9 <b>26.3 M4</b>

**PCS\_1175 (360 degree)/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.093 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.102 A/m; Power Drift = -0.183 dB

Peak H-field in A/m

Grid 1 <b>0.104 M4</b>	Grid 2 <b>0.092 M4</b>	Grid 3 <b>0.079 M4</b>
Grid 4 <b>0.092 M4</b>	Grid 5 <b>0.092 M4</b>	Grid 6 <b>0.082 M4</b>
Grid 7 <b>0.110 M4</b>	Grid 8 <b>0.093 M4</b>	Grid 9 <b>0.080 M4</b>





**CDMA 1900 Channel 1175 Closed Bluetooth On**

Date: 5/13/2009

Communication System: CDMA\_Triband; Frequency: 1910 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: RF Section  
 DASY4 Configuration:  
 - Probe: ER3DV6 - SN2341 Probe: H3DV6 - SN6123; ConvF(1, 1, 1); Calibrated: 3/10/2009 Calibrated: 8/18/2008  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn530; Calibrated: 4/15/2009  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA;  
 - Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**PCS\_1175\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 27.9 V/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 20.7 V/m; Power Drift = 0.003 dB

Peak E-field in V/m

Grid 1 <b>35.1 M4</b>	Grid 2 <b>30.0 M4</b>	Grid 3 <b>25.9 M4</b>
Grid 4 <b>21.4 M4</b>	Grid 5 <b>24.9 M4</b>	Grid 6 <b>25.2 M4</b>
Grid 7 <b>27.4 M4</b>	Grid 8 <b>27.9 M4</b>	Grid 9 <b>27.2 M4</b>

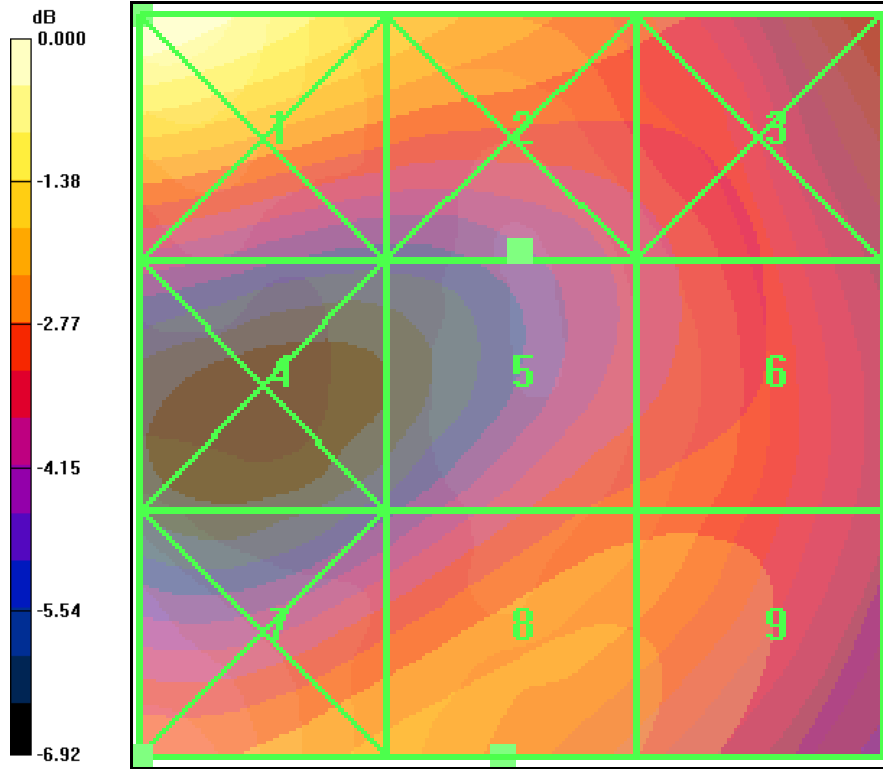
**PCS\_1175\_BTooth ON/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.090 A/m  
 Probe Modulation Factor = 1.00  
 Device Reference Point: 0.000, 0.000, -6.30 mm  
 Reference Value = 0.102 A/m; Power Drift = 0.069 dB

Peak H-field in A/m

Grid 1 <b>0.100 M4</b>	Grid 2 <b>0.090 M4</b>	Grid 3 <b>0.085 M4</b>
Grid 4 <b>0.088 M4</b>	Grid 5 <b>0.090 M4</b>	Grid 6 <b>0.086 M4</b>
Grid 7 <b>0.101 M4</b>	Grid 8 <b>0.088 M4</b>	Grid 9 <b>0.084 M4</b>





0 dB = 35.1V/m