Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 850

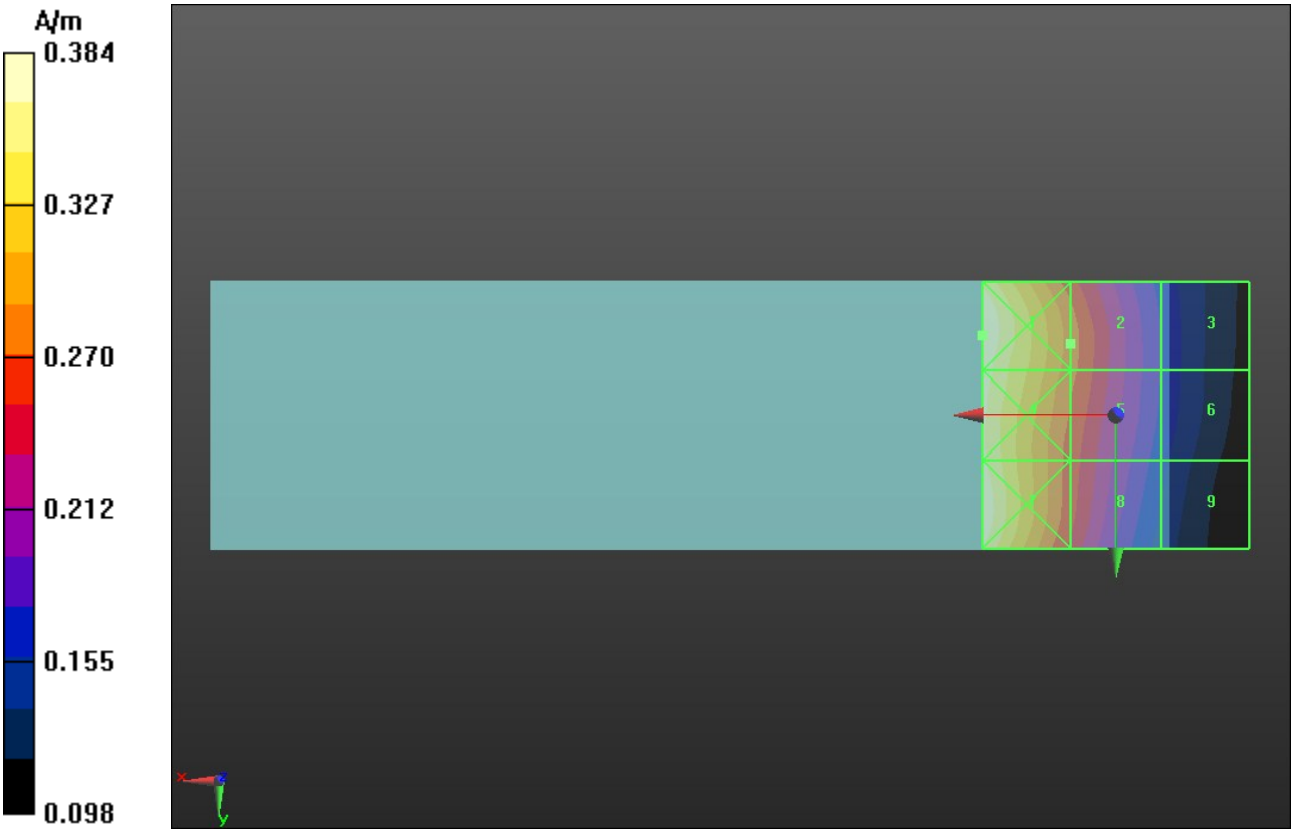
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 824.4 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.281 A/m
Probe Modulation Factor = 2.790
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.083 A/m; Power Drift = -0.03 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.384 M4**	Grid 2 **0.281 M4**	Grid 3 **0.175 M4**
Grid 4 **0.376 M4**	Grid 5 **0.277 M4**	Grid 6 **0.175 M4**
Grid 7 **0.382 M4**	Grid 8 **0.261 M4**	Grid 9 **0.163 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 850

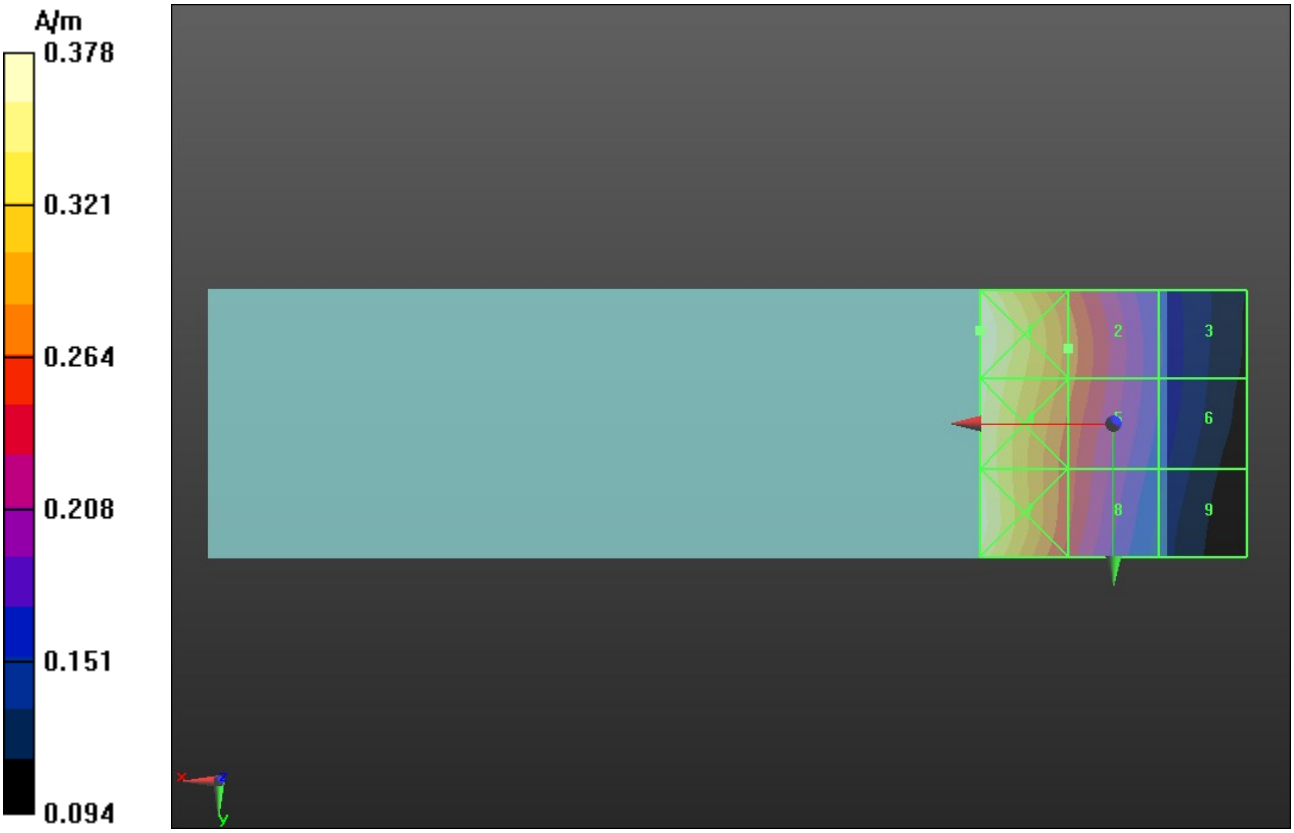
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.277 A/m
Probe Modulation Factor = 2.790
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.080 A/m; Power Drift = 0.04 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.378 M4**	Grid 2 **0.277 M4**	Grid 3 **0.174 M4**
Grid 4 **0.370 M4**	Grid 5 **0.273 M4**	Grid 6 **0.173 M4**
Grid 7 **0.370 M4**	Grid 8 **0.254 M4**	Grid 9 **0.159 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 850

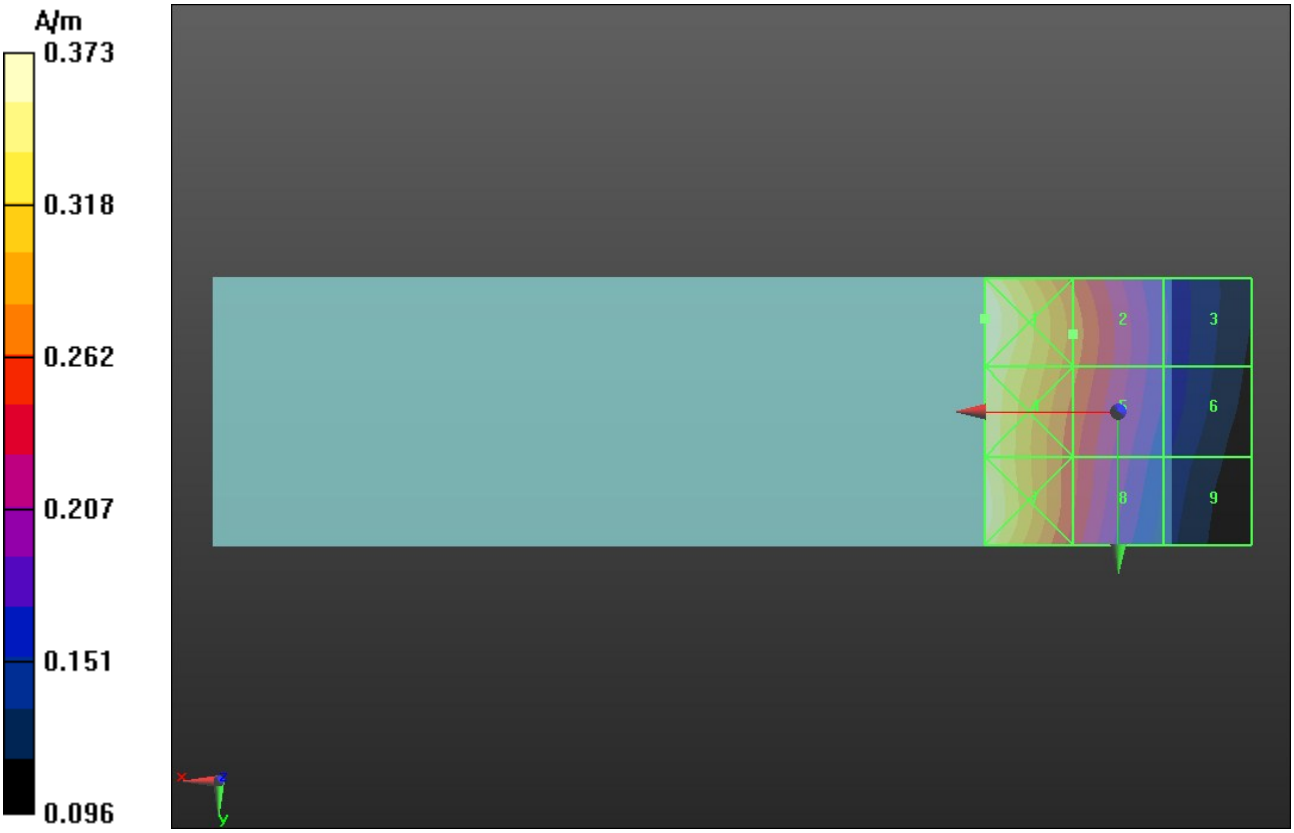
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 848.8 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.274 A/m
Probe Modulation Factor = 2.790
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.079 A/m; Power Drift = 0.04 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.373 M4**	Grid 2 **0.274 M4**	Grid 3 **0.175 M4**
Grid 4 **0.363 M4**	Grid 5 **0.269 M4**	Grid 6 **0.174 M4**
Grid 7 **0.365 M4**	Grid 8 **0.250 M4**	Grid 9 **0.157 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 1900

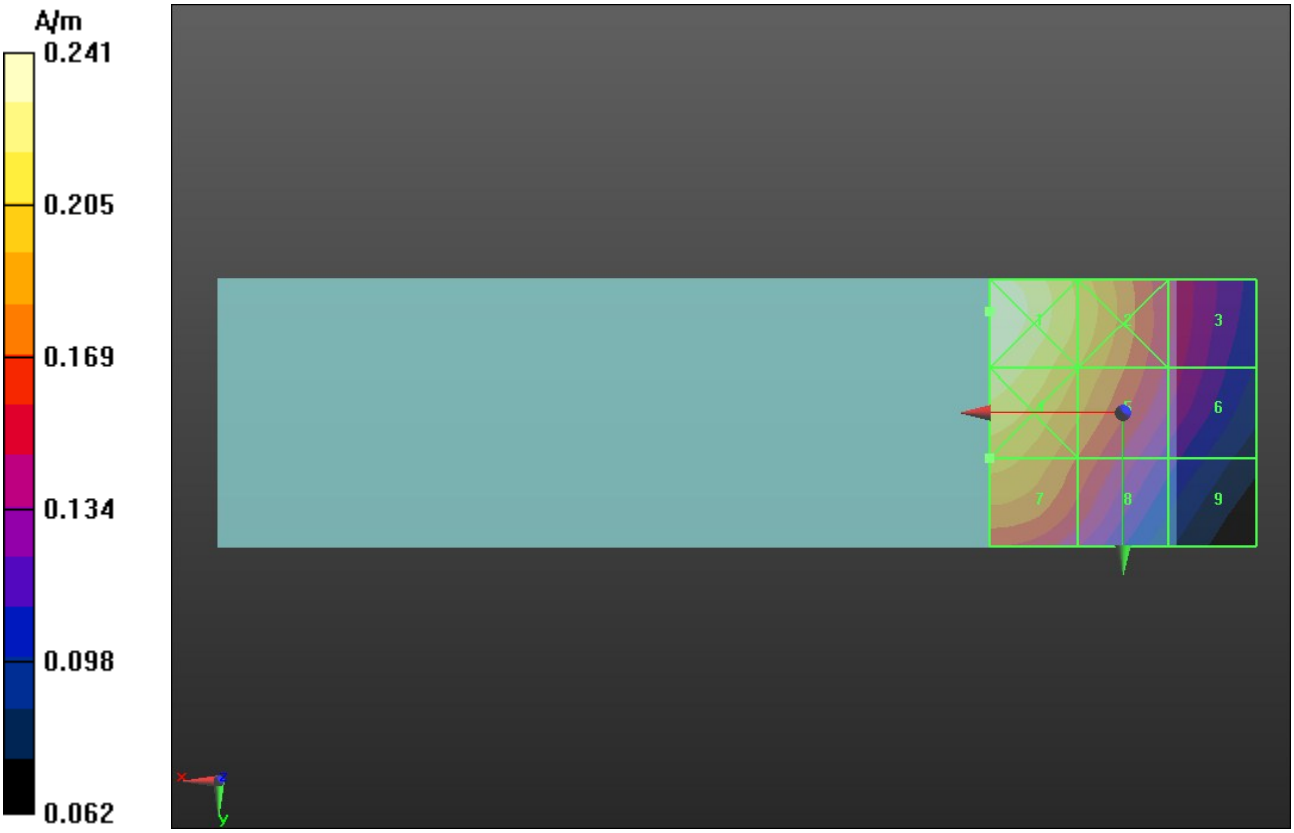
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1850.2 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.199 A/m
Probe Modulation Factor = 2.840
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.060 A/m; Power Drift = -0.0051 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.241 M3**	Grid 2 **0.204 M3**	Grid 3 **0.149 M3**
Grid 4 **0.229 M3**	Grid 5 **0.194 M3**	Grid 6 **0.143 M3**
Grid 7 **0.199 M3**	Grid 8 **0.169 M3**	Grid 9 **0.116 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 1900

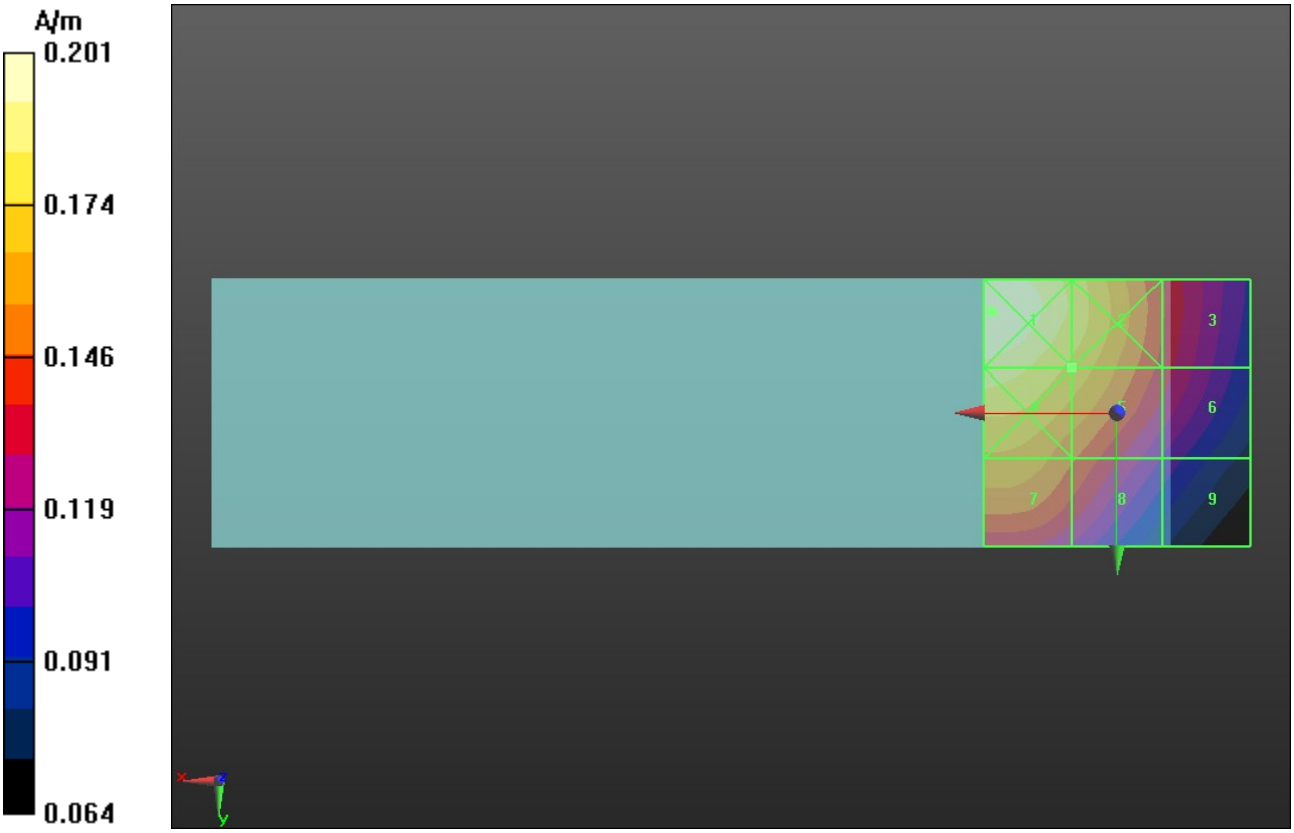
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1880 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.171 A/m
Probe Modulation Factor = 2.840
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.054 A/m; Power Drift = -0.02 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.201 M3**	Grid 2 **0.181 M3**	Grid 3 **0.139 M4**
Grid 4 **0.190 M3**	Grid 5 **0.171 M3**	Grid 6 **0.134 M4**
Grid 7 **0.163 M3**	Grid 8 **0.148 M3**	Grid 9 **0.110 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

GSM 1900

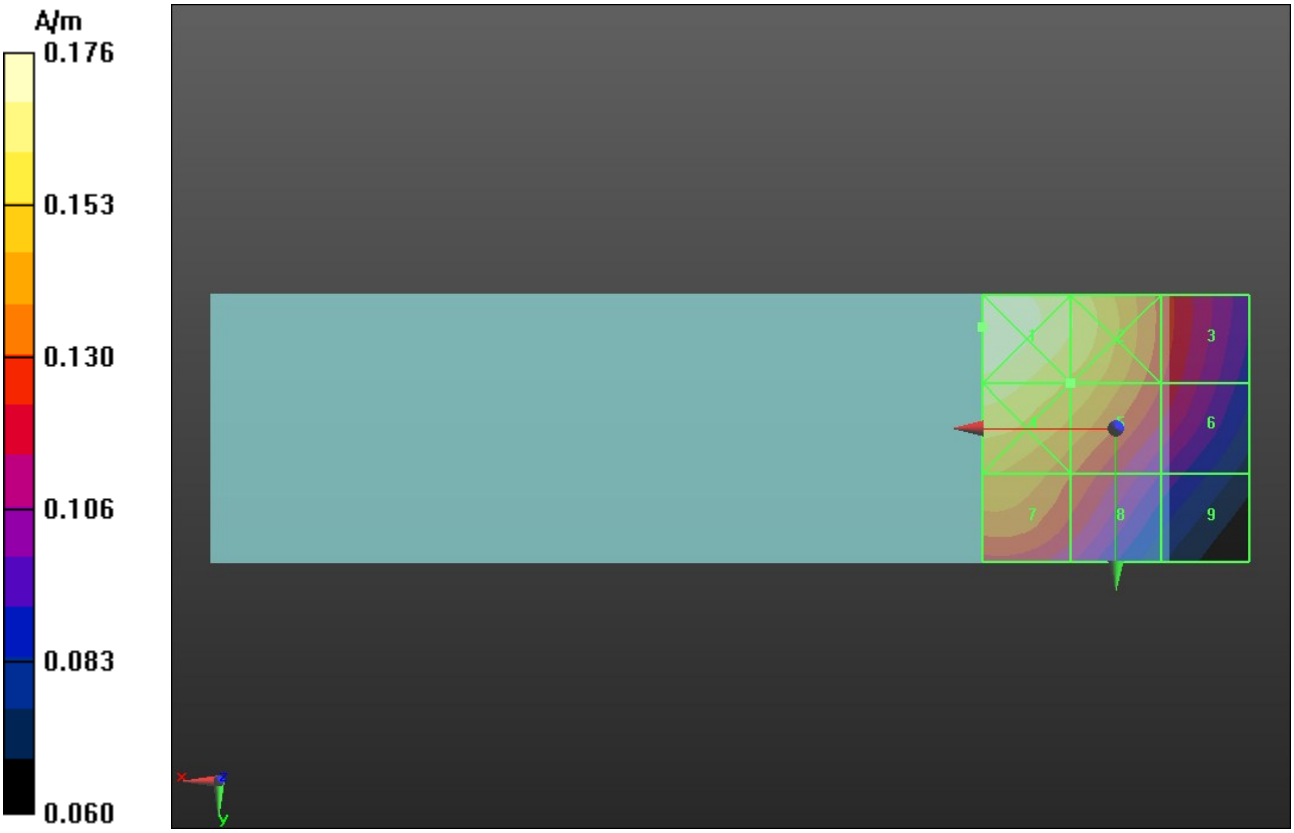
Communication System: GPRS-FDD (TDMA, GMSK, 1 slot); Frequency: 1909.8 MHz; Duty Cycle: 1:8.00018
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.152 A/m
Probe Modulation Factor = 2.840
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.050 A/m; Power Drift = 0.0041 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak H-field in A/m

Grid 1 **0.176 M3**	Grid 2 **0.161 M3**	Grid 3 **0.128 M4**
Grid 4 **0.166 M3**	Grid 5 **0.152 M3**	Grid 6 **0.122 M4**
Grid 7 **0.145 M3**	Grid 8 **0.131 M4**	Grid 9 **0.099 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band V

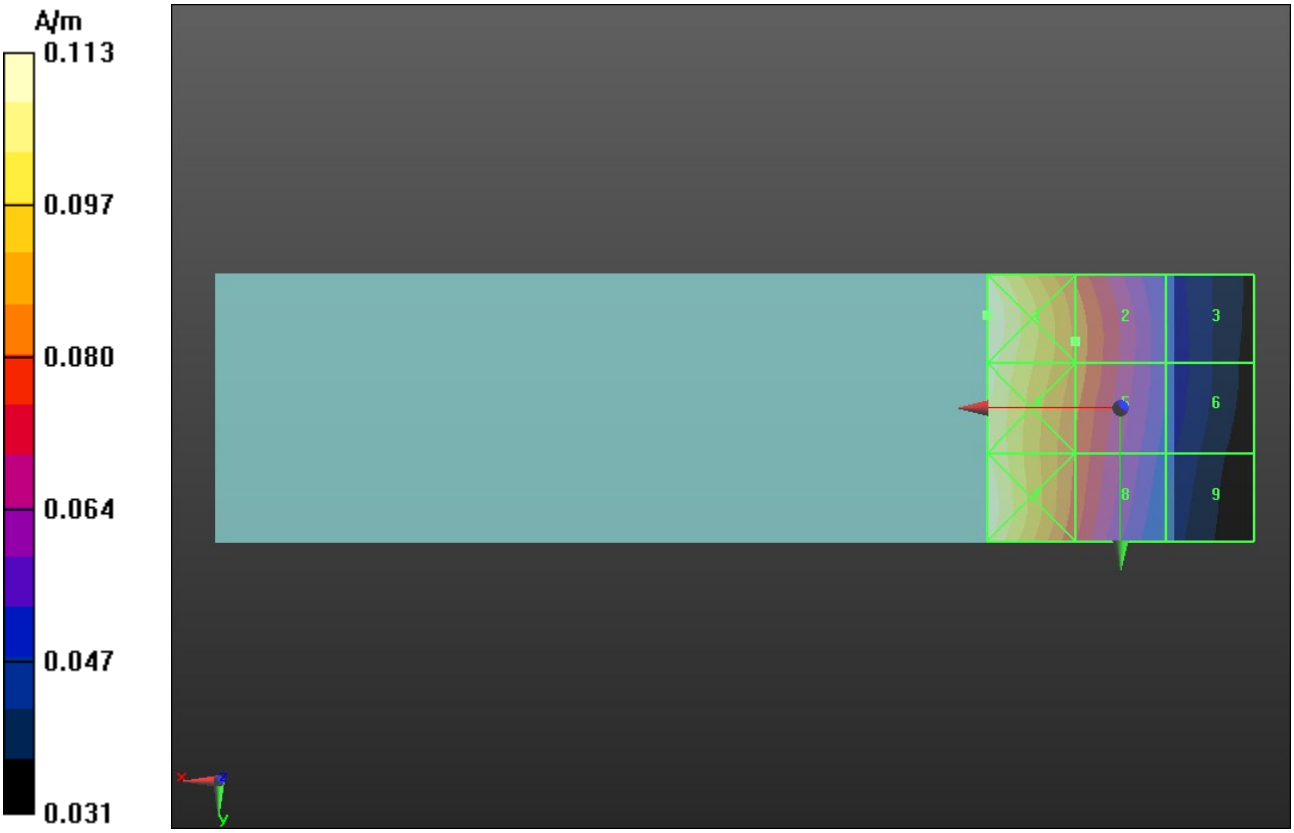
Communication System: UMTS-FDD (WCDMA); Frequency: 826.4 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.085 A/m
Probe Modulation Factor = 0.900
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.078 A/m; Power Drift = 0.05 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.113 M4**	Grid 2 **0.085 M4**	Grid 3 **0.054 M4**
Grid 4 **0.111 M4**	Grid 5 **0.084 M4**	Grid 6 **0.054 M4**
Grid 7 **0.112 M4**	Grid 8 **0.080 M4**	Grid 9 **0.050 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band V

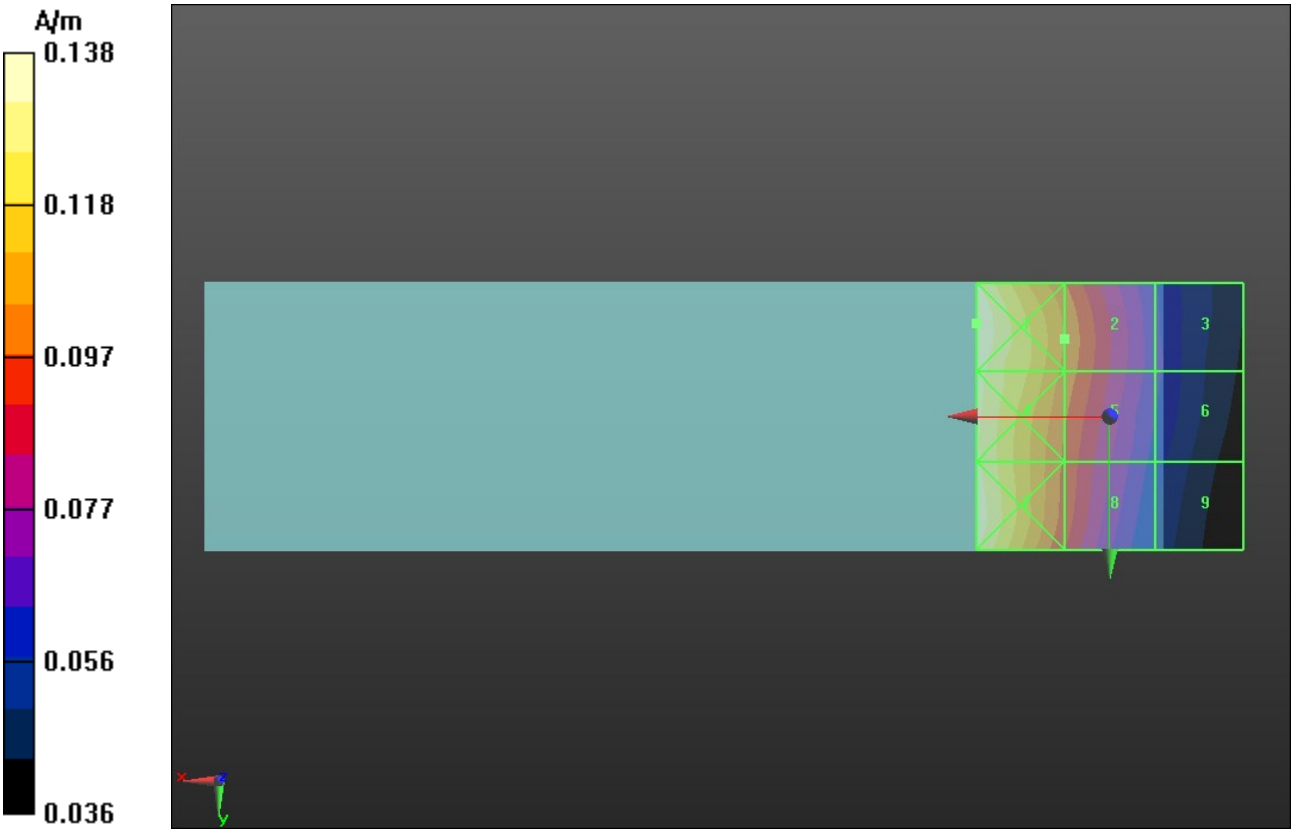
Communication System: UMTS-FDD (WCDMA); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.104 A/m
Probe Modulation Factor = 0.900
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.093 A/m; Power Drift = 0.12 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.138 M4**	Grid 2 **0.104 M4**	Grid 3 **0.066 M4**
Grid 4 **0.135 M4**	Grid 5 **0.102 M4**	Grid 6 **0.066 M4**
Grid 7 **0.136 M4**	Grid 8 **0.096 M4**	Grid 9 **0.060 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band V

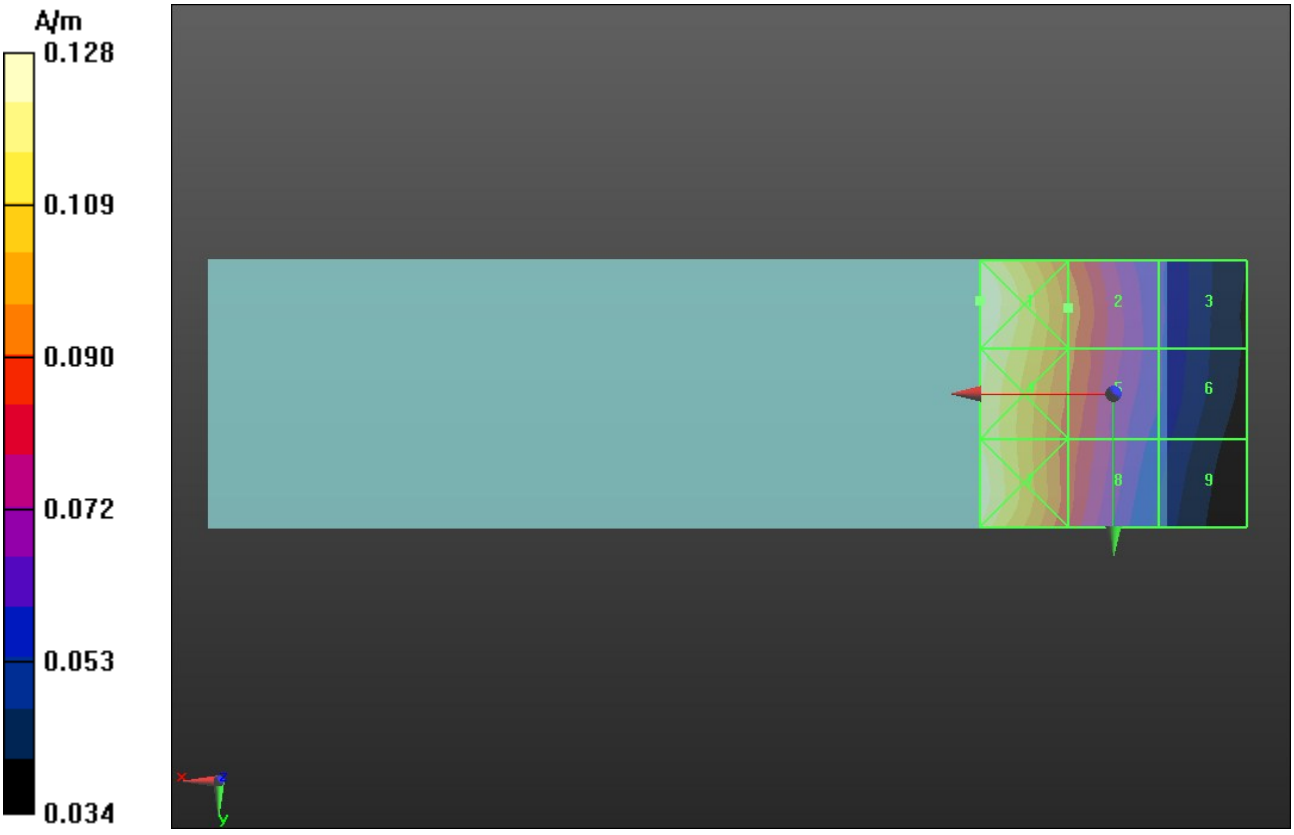
Communication System: UMTS-FDD (WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.095 A/m
Probe Modulation Factor = 0.900
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.087 A/m; Power Drift = -0.05 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.128 M4**	Grid 2 **0.095 M4**	Grid 3 **0.061 M4**
Grid 4 **0.125 M4**	Grid 5 **0.093 M4**	Grid 6 **0.061 M4**
Grid 7 **0.126 M4**	Grid 8 **0.088 M4**	Grid 9 **0.057 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band II

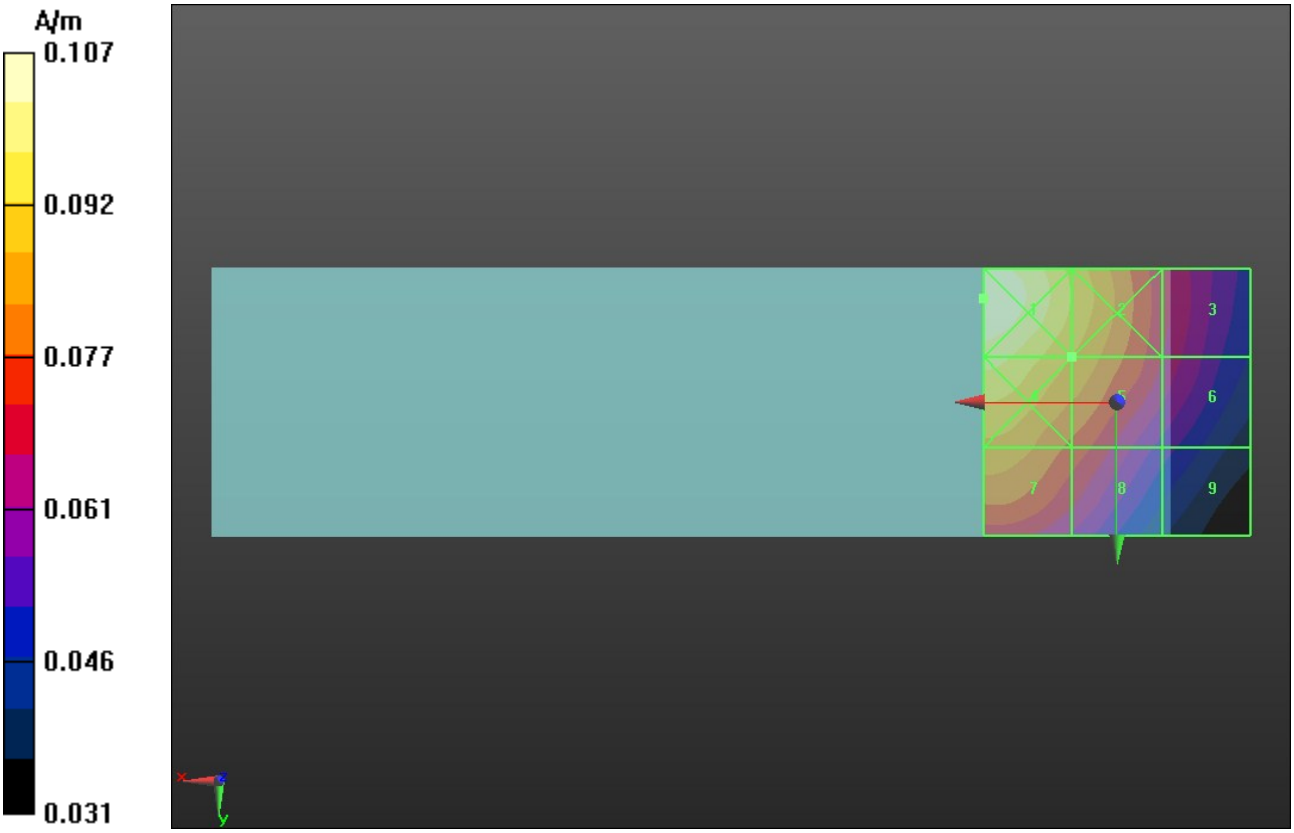
Communication System: UMTS-FDD (WCDMA); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.087 A/m
Probe Modulation Factor = 0.950
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.082 A/m; Power Drift = -0.0043 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.107 M4**	Grid 2 **0.092 M4**	Grid 3 **0.069 M4**
Grid 4 **0.099 M4**	Grid 5 **0.087 M4**	Grid 6 **0.067 M4**
Grid 7 **0.085 M4**	Grid 8 **0.075 M4**	Grid 9 **0.054 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band II

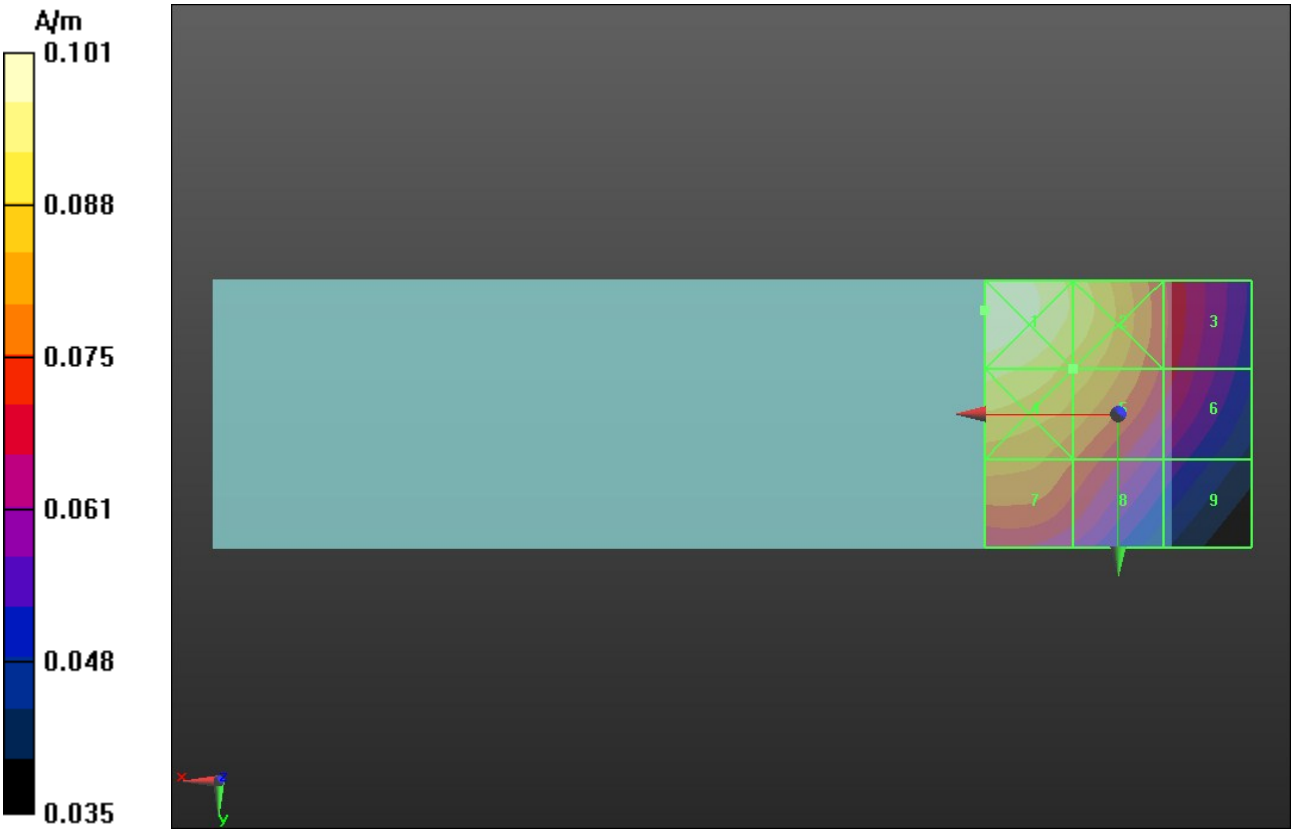
Communication System: UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/M ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.086 A/m
Probe Modulation Factor = 0.950
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.083 A/m; Power Drift = -0.0088 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.101 M4**	Grid 2 **0.092 M4**	Grid 3 **0.071 M4**
Grid 4 **0.094 M4**	Grid 5 **0.086 M4**	Grid 6 **0.069 M4**
Grid 7 **0.081 M4**	Grid 8 **0.075 M4**	Grid 9 **0.057 M4**



Date: 6/26/2012

Test Laboratory: UL CCS SAR Lab C

W-CDMA band II

Communication System: UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: H3DV6 - SN6157; ; Calibrated: 1/30/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.4.5 (3634)

H-Field/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.082 A/m
Probe Modulation Factor = 0.950
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.080 A/m; Power Drift = 0.04 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 **0.094 M4**	Grid 2 **0.087 M4**	Grid 3 **0.069 M4**
Grid 4 **0.088 M4**	Grid 5 **0.082 M4**	Grid 6 **0.066 M4**
Grid 7 **0.077 M4**	Grid 8 **0.071 M4**	Grid 9 **0.055 M4**