HAC_E_Dipole_835_101126

DUT: Dipole 835 MHz

Communication System: GSM850; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2010/8/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

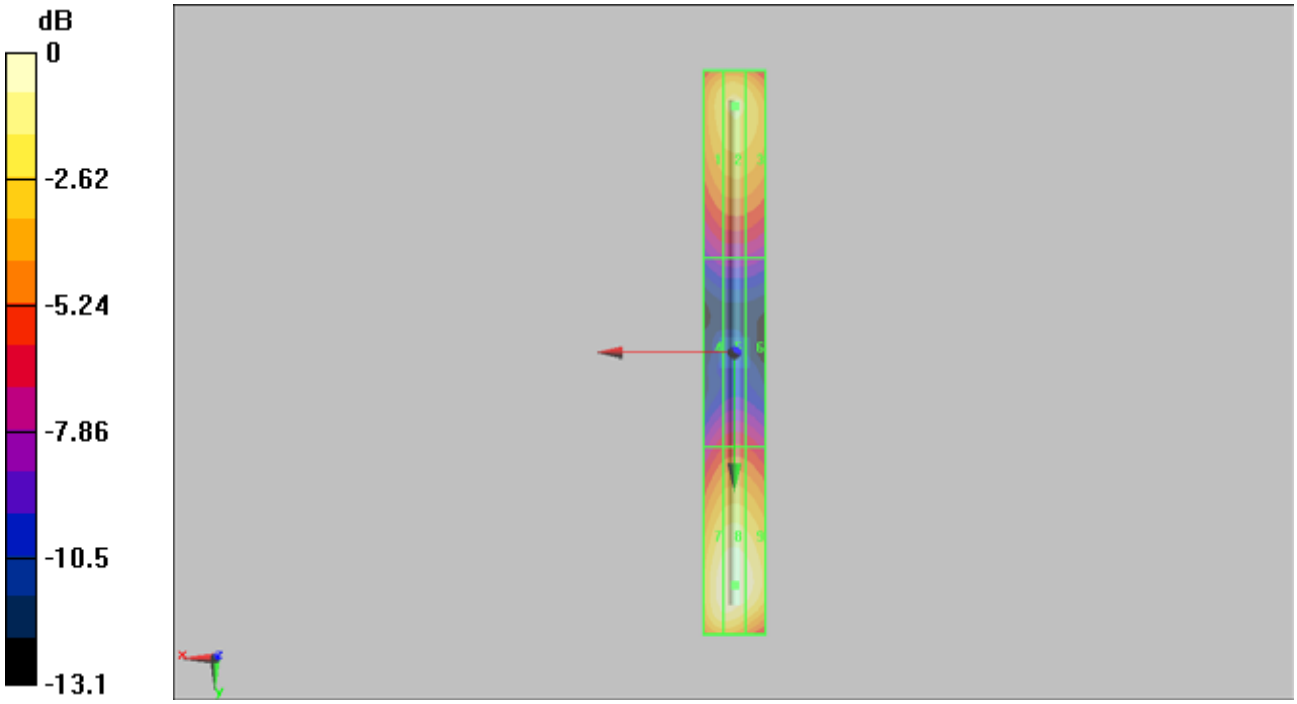
E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1
Reference Value = 140.8 V/m; Power Drift = -0.0022 dB
Average Value of Total = (164.0 + 195.9) / 2 = 179.95 V/m

Peak E-field in V/m

Grid 1 **158.3 M4**	Grid 2 **164.0 M4**	Grid 3 **159.6 M4**
Grid 4 **96.4 M4**	Grid 5 **100 M4**	Grid 6 **97.4 M4**
Grid 7 **191.6 M4**	Grid 8 **195.9 M4**	Grid 9 **188.8 M4**

Cursor:
Total = 195.9 V/m
E Category: M4
Location: 0, 74, 4.7 mm



0 dB = 195.9V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/11/25

HAC_E_Dipole_1880_101125

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.7 ℃

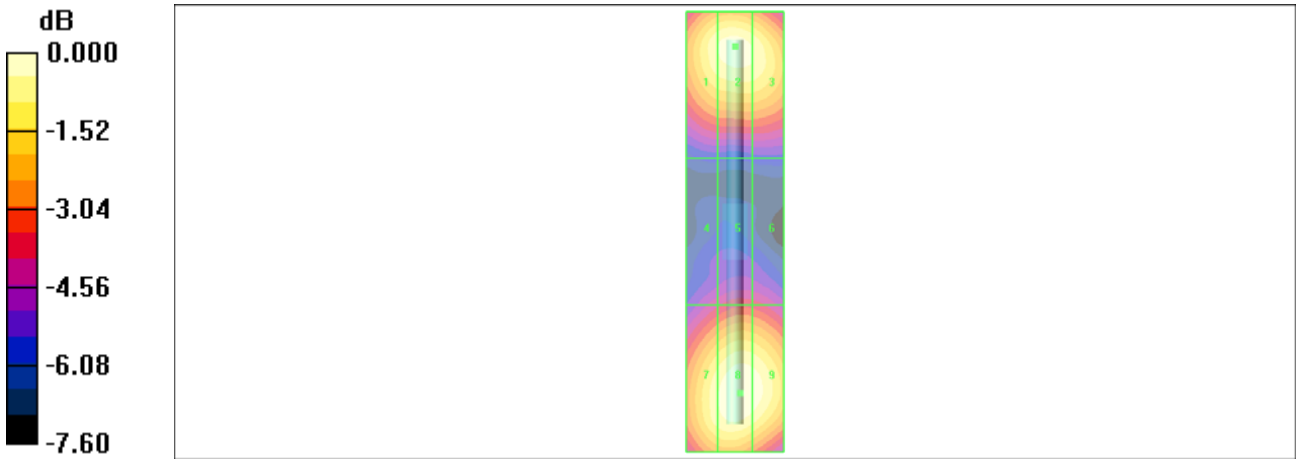
DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1.00
Reference Value = 141.6 V/m; Power Drift = 0.016 dB
Average Value of Total = (133.4 + 136.6) / 2 = 135.0 V/m

Peak E-field in V/m

Grid 1 **129.1 M2**	Grid 2 **133.4 M2**	Grid 3 **129.6 M2**
Grid 4 **85.0 M3**	Grid 5 **90.1 M3**	Grid 6 **89.2 M3**
Grid 7 **128.7 M2**	Grid 8 **136.6 M2**	Grid 9 **134.4 M2**

Cursor:
Total = 136.6 V/m
E Category: M2
Location: -1, 33, 4.7 mm



0 dB = 136.6V/m

HAC_E_Dipole_1880_101126

DUT: HAC Dipole 1880 MHz

Communication System: GSM850; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：22.5 ℃

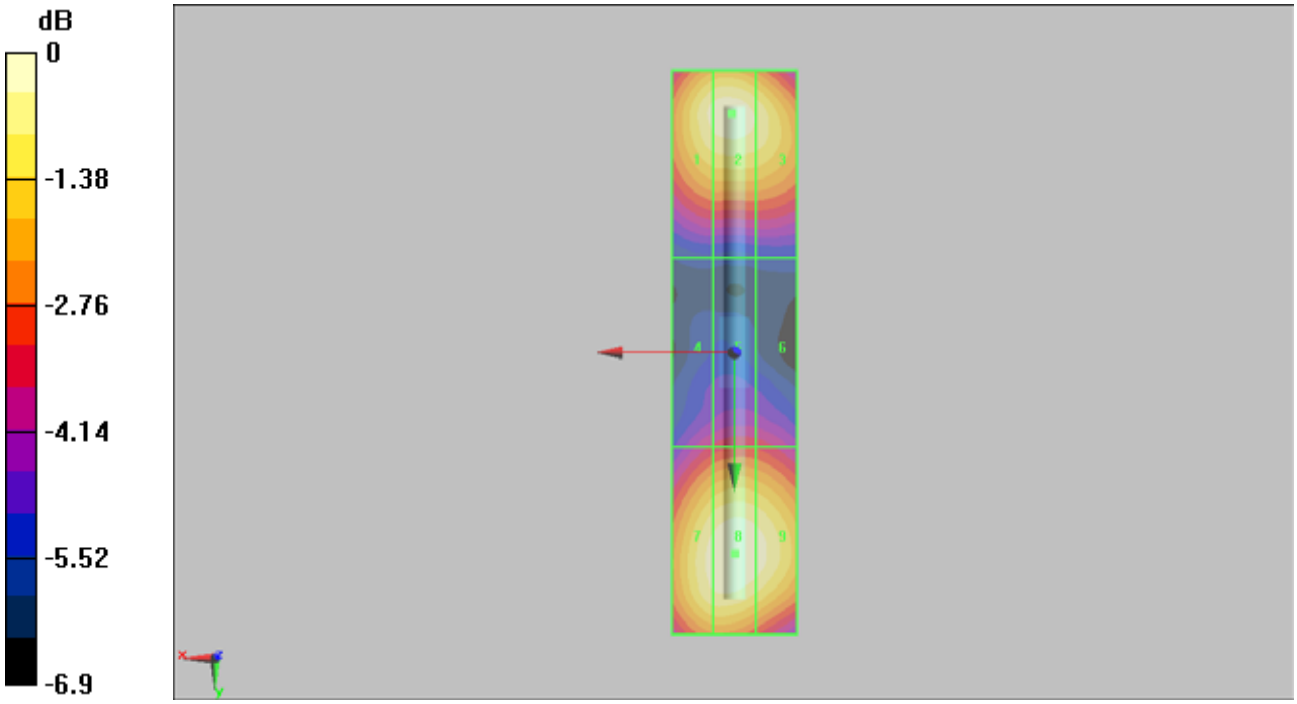
DASY5 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2010/8/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1
Reference Value = 144.0 V/m; Power Drift = -0.018 dB
Average Value of Total = (139.9 + 141.7) / 2 = 140.8 V/m

Peak E-field in V/m

Grid 1 **137.0 M2**	Grid 2 **139.9 M2**	Grid 3 **133.7 M2**
Grid 4 **94.2 M3**	Grid 5 **98.1 M3**	Grid 6 **96.9 M3**
Grid 7 **138.2 M2**	Grid 8 **141.7 M2**	Grid 9 **138.4 M2**

Cursor:
Total = 141.7 V/m
E Category: M2
Location: 0, 32, 4.7 mm



0 dB = 141.7V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/11/28

HAC_H_Dipole_835_101128

DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.5 ℃

DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

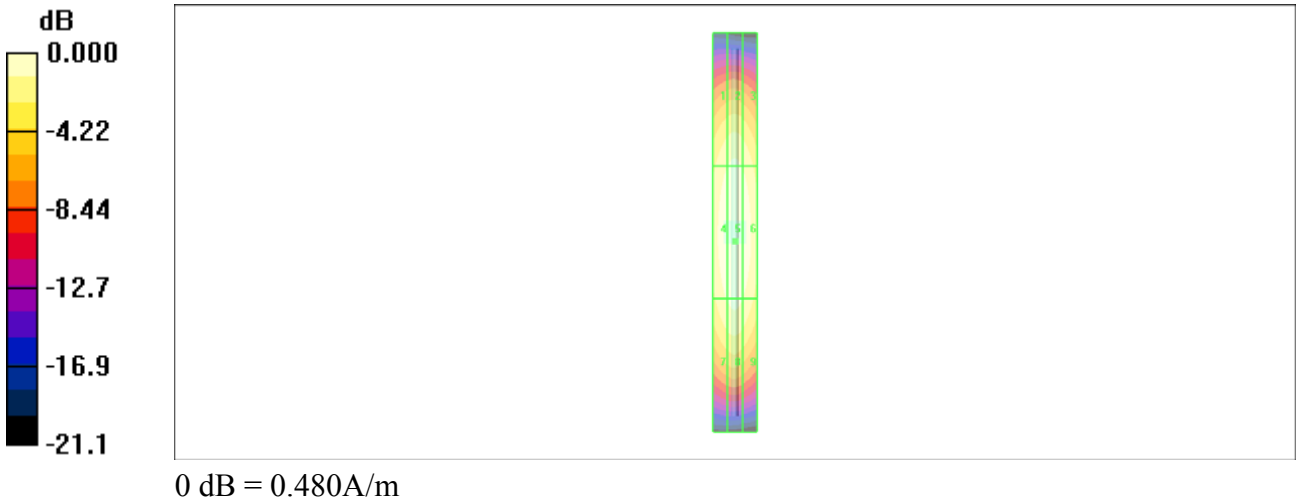
H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1.00
Reference Value = 0.532 A/m; Power Drift = -0.020 dB
Maximum Value of Total = 0.480 A/m

Peak H-field in A/m

Grid 1 **0.406 M4**	Grid 2 **0.423 M4**	Grid 3 **0.403 M4**
Grid 4 **0.459 M4**	Grid 5 **0.480 M4**	Grid 6 **0.457 M4**
Grid 7 **0.412 M4**	Grid 8 **0.429 M4**	Grid 9 **0.407 M4**

Cursor:
Total = 0.480 A/m
H Category: M4
Location: 0, 4, 5.2 mm



0 dB = 0.480A/m

HAC_H_Dipole_1880_101126

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2010/8/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

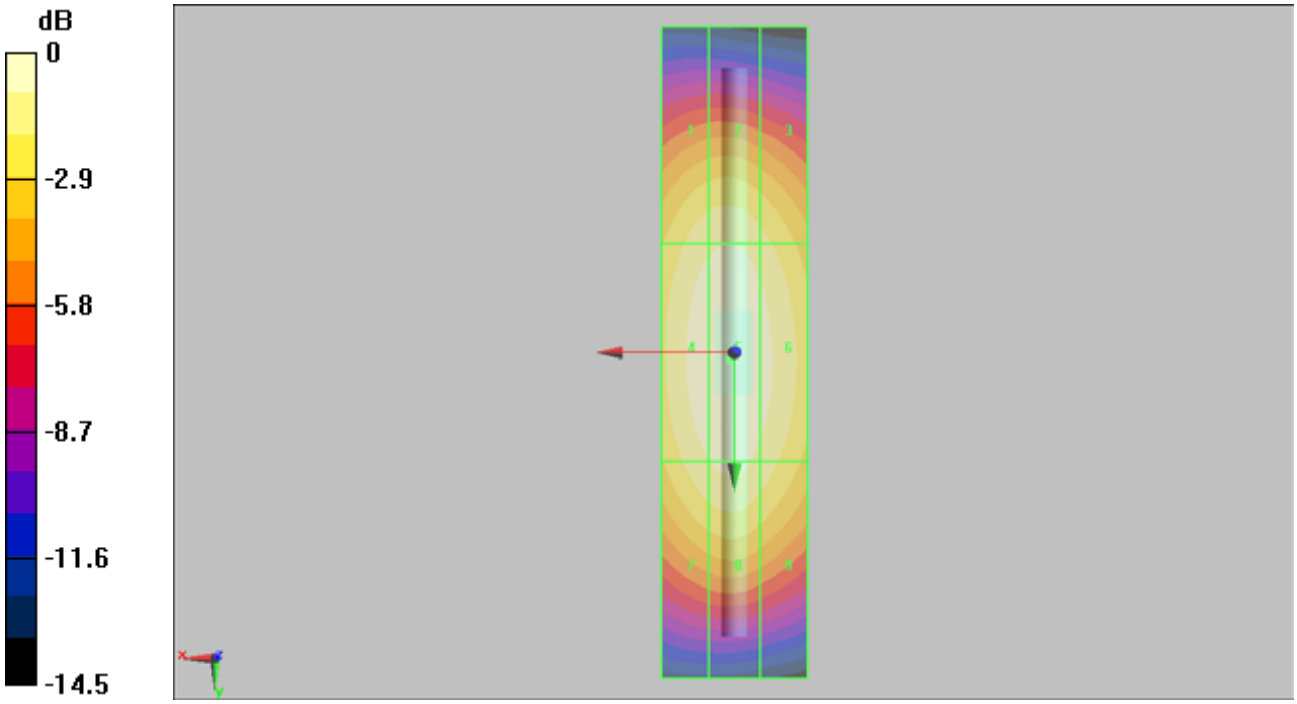
H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Probe Modulation Factor = 1
Reference Value = 0.535 A/m; Power Drift = -0.00847 dB
Maximum Value of Total = 0.487 A/m

Peak H-field in A/m

Grid 1 **0.426 M2**	Grid 2 **0.436 M2**	Grid 3 **0.409 M2**
Grid 4 **0.473 M2**	Grid 5 **0.487 M2**	Grid 6 **0.457 M2**
Grid 7 **0.434 M2**	Grid 8 **0.450 M2**	Grid 9 **0.421 M2**

Cursor:
Total = 0.487 A/m
H Category: M2
Location: 0.5, 1, 5.2 mm



0 dB = 0.487A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/11/28

HAC_H_Dipole_1880_101128

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Ambient Temperature：22.6 ℃

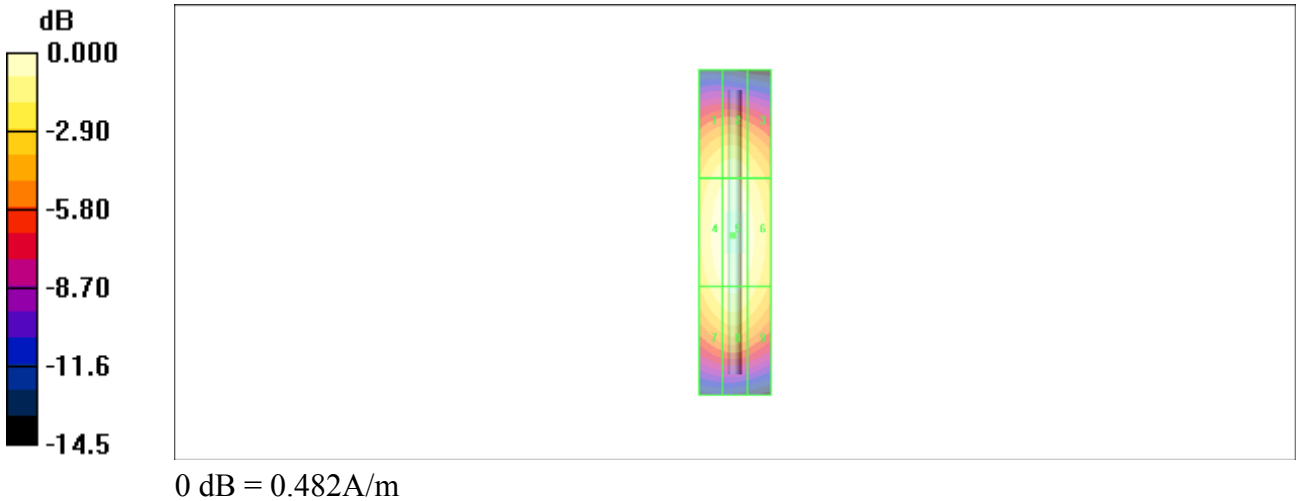
DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Probe Modulation Factor = 1.00
Reference Value = 0.530 A/m; Power Drift = -0.004 dB
Maximum Value of Total = 0.482 A/m

Peak H-field in A/m

Grid 1 **0.421 M2**	Grid 2 **0.431 M2**	Grid 3 **0.405 M2**
Grid 4 **0.468 M2**	Grid 5 **0.482 M2**	Grid 6 **0.453 M2**
Grid 7 **0.429 M2**	Grid 8 **0.445 M2**	Grid 9 **0.417 M2**

Cursor:
Total = 0.482 A/m
H Category: M2
Location: 0.5, 1, 5.2 mm



0 dB = 0.482A/m