Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/13

## HAC_E_Dipole_835_100513

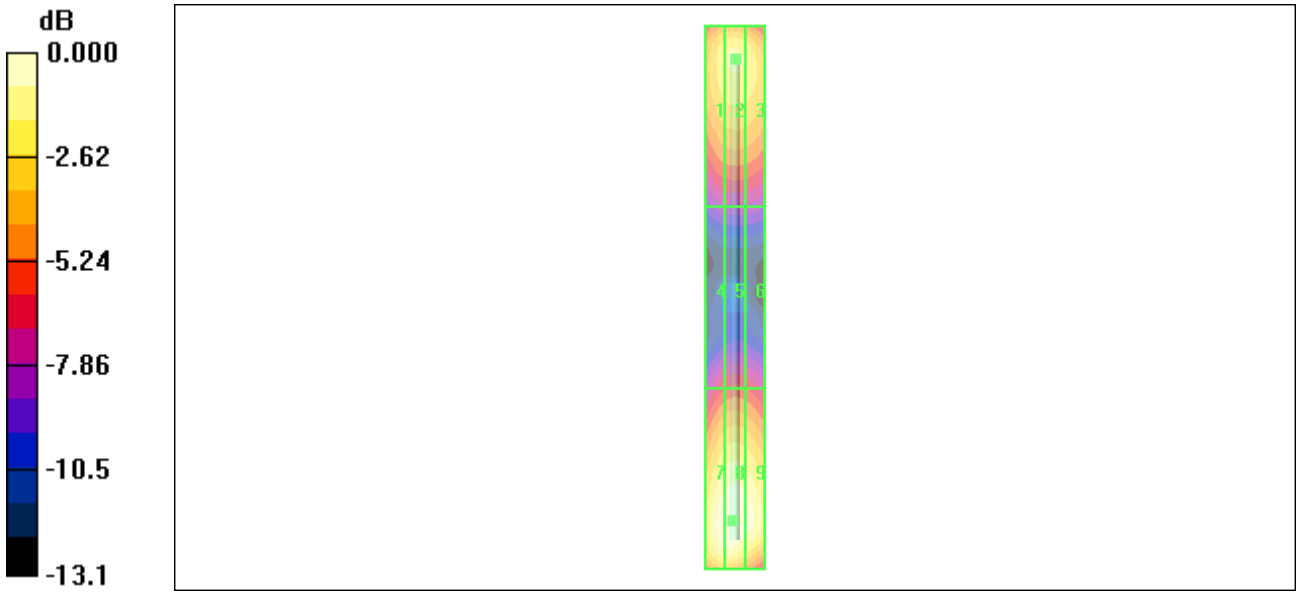
### DUT: Dipole 835 MHz

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：22.5 ℃

DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 192.5 V/m
Probe Modulation Factor = 1.00
Reference Value = 138.4 V/m; Power Drift = -0.016 dB
**Average Value of Total = (161.8 + 192.5) / 2 = 177.15 V/m**

| | | |
|---|---|---|
| Grid 1 **156.1 M4** | Grid 2 **161.8 M4** | Grid 3 **156.8 M4** |
| Grid 4 **94.7 M4** | Grid 5 **98.2 M4** | Grid 6 **95.6 M4** |
| Grid 7 **188.5 M4** | Grid 8 **192.5 M4** | Grid 9 **185.6 M4** |




0 dB = 192.5V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/12

## HAC_E_Dipole_1880_100512

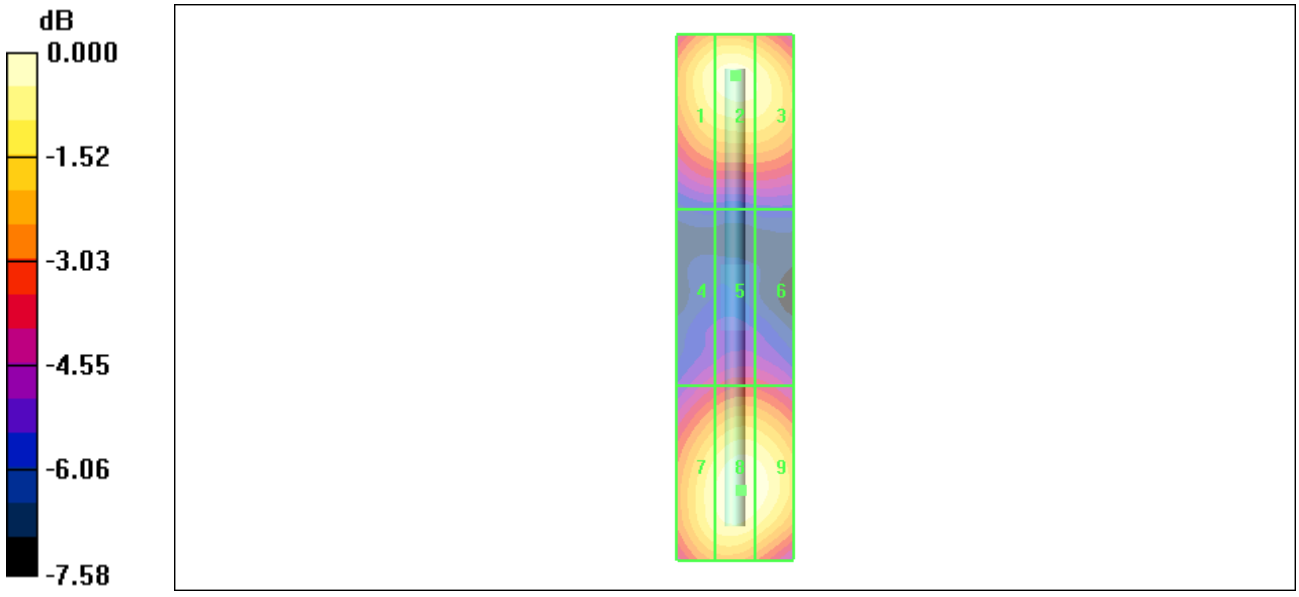
### DUT: HAC Dipole 1880 MHz

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：22.0 ℃

DASY4 Configuration:
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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
Maximum value of peak Total field = 136.4 V/m
Probe Modulation Factor = 1.00
Reference Value = 141.5 V/m; Power Drift = 0.016 dB
**Average Value of Total = (133.3 + 136.4) / 2 = 134.85 V/m**

| | | |
|---|---|---|
| Grid 1 **129.0 M2** | Grid 2 **133.3 M2** | Grid 3 **129.5 M2** |
| Grid 4 **85.0 M3** | Grid 5 **90.0 M3** | Grid 6 **89.1 M3** |
| Grid 7 **128.7 M2** | Grid 8 **136.4 M2** | Grid 9 **134.3 M2** |




0 dB = 136.4V/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/13

## HAC_H_Dipole_835_100513

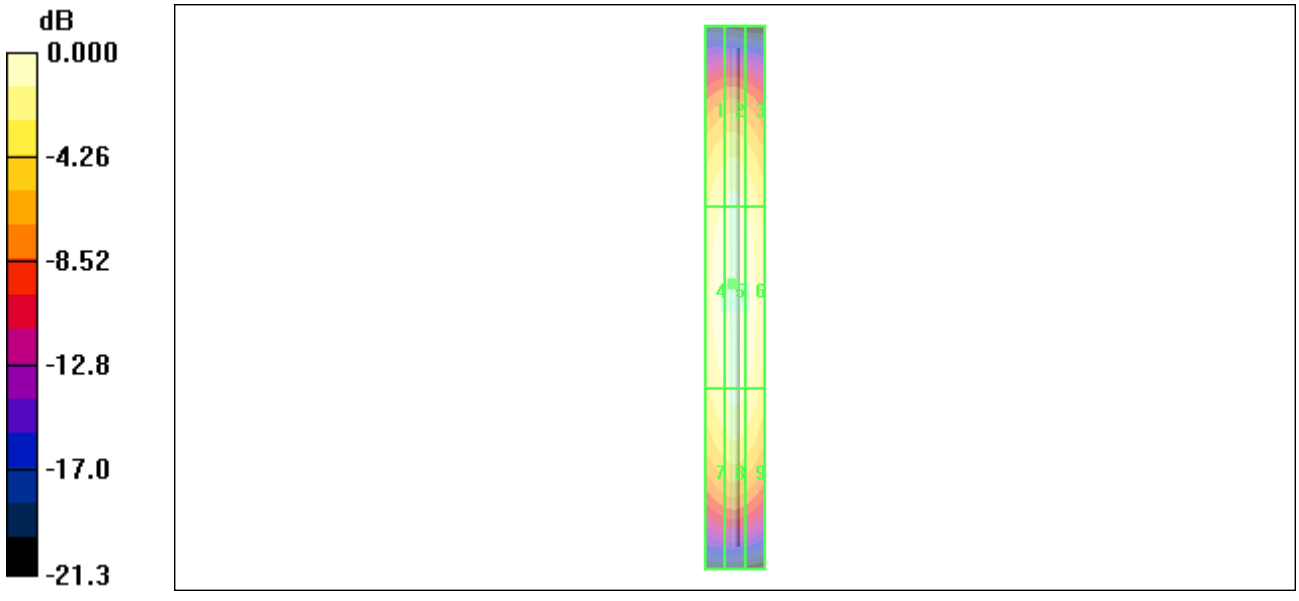
### DUT: HAC-Dipole 835 MHz

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：22.4 ℃

DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.523 A/m; Power Drift = -0.053 dB
**Maximum Value of Total = 0.469 A/m**

| Grid 1 | Grid 2 | Grid 3 |
|---|---|---|
| **0.407 M4** | **0.425 M4** | **0.400 M4** |
| Grid 4 | Grid 5 | Grid 6 |
| **0.450 M4** | **0.469 M4** | **0.444 M4** |
| Grid 7 | Grid 8 | Grid 9 |
| **0.400 M4** | **0.422 M4** | **0.401 M4** |




0 dB = 0.469A/m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/13

## HAC_H_Dipole_1880_100513

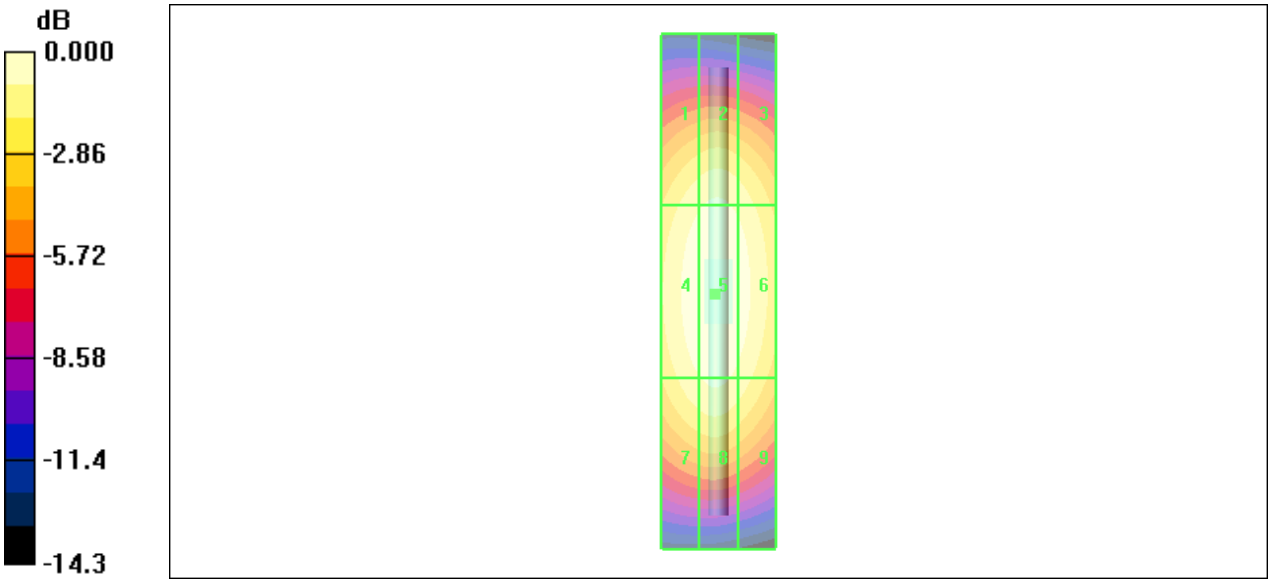
### DUT: HAC Dipole 1880 MHz

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 ℃

DASY4 Configuration:
- Probe: H3DV6 - SN6184; ; Calibrated: 2010/1/22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 = 0.538 A/m; Power Drift = 0.006 dB
**Maximum Value of Total = 0.486 A/m**

| | | |
|---|---|---|
| Grid 1 **0.429 M2** | Grid 2 **0.446 M2** | Grid 3 **0.424 M2** |
| Grid 4 **0.469 M2** | Grid 5 **0.486 M2** | Grid 6 **0.462 M2** |
| Grid 7 **0.432 M2** | Grid 8 **0.448 M2** | Grid 9 **0.420 M2** |




0 dB = 0.486A/m