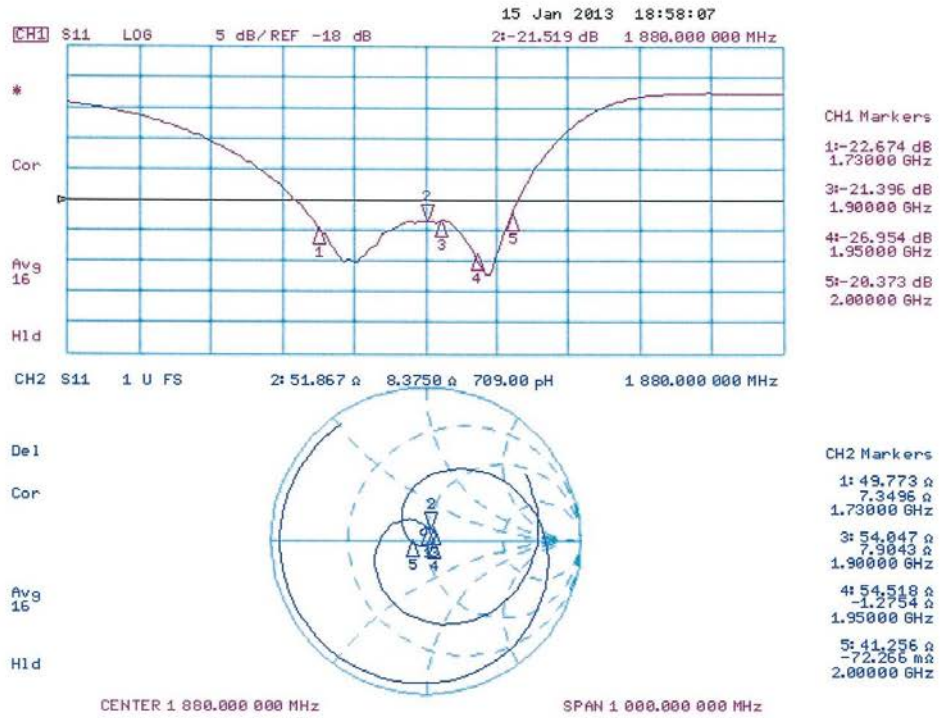


Impedance Measurement Plot



**DASY5 H-field Result**

Date: 15.01.2013

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1135**

Communication System: CW; Frequency: 1880 MHz  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1 \text{ kg/m}^3$   
 Phantom section: RF Section  
 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

**DASY52 Configuration:**

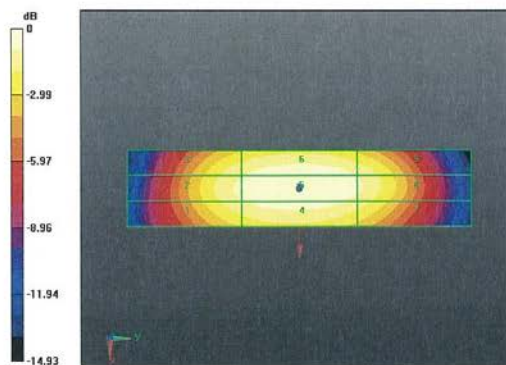
- Probe: H3DV6 - SN6065; ; Calibrated: 28.12.2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 29.05.2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.8.5(1059); SEMCAD X 14.6.8(7028)

**Dipole H-Field measurement @ 1880MHz/H-Scan - 1880MHz d=10mm/Hearing Aid Compatibility Test (41x181x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
 Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 0.4930 A/m; Power Drift = 0.01 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 H-field emissions = 0.4659 A/m  
 Near-field category: M2 (AWF 0 dB)

PMF scaled H-field

Grid 1 M2 0.408 A/m	Grid 2 M2 0.430 A/m	Grid 3 M2 0.413 A/m
Grid 4 M2 0.440 A/m	Grid 5 M2 0.466 A/m	Grid 6 M2 0.451 A/m
Grid 7 M2 0.396 A/m	Grid 8 M2 0.426 A/m	Grid 9 M2 0.412 A/m



0 dB = 0.4659 A/m = -6.63 dBA/m

**DASY5 E-field Result**

Date: 15.01.2013

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1135**

Communication System: CW; Frequency: 1880 MHz  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: RF Section  
 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY52 Configuration:

- Probe: ER3DV6 - SN2336; ConvF(1, 1, 1); Calibrated: 28.12.2012;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 29.05.2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.8.5(1059); SEMCAD X 14.6.8(7028)

**Dipole E-Field measurement @ 1880MHz/E-Scan - 1880MHz d=10mm/Hearing Aid Compatibility Test (41x181x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
 Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 155.7 V/m; Power Drift = -0.00 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 E-field emissions = 142.7 V/m  
**Near-field category: M2 (AWF 0 dB)**

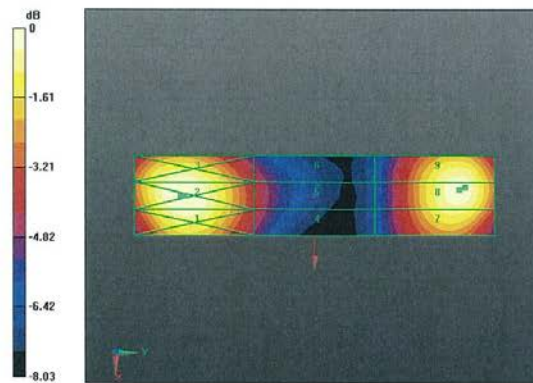
PMF scaled E-field

Grid 1 M2	Grid 2 M2	Grid 3 M2
135.0 V/m	138.3 V/m	134.5 V/m
Grid 4 M3	Grid 5 M3	Grid 6 M3
87.93 V/m	89.63 V/m	86.19 V/m
Grid 7 M2	Grid 8 M2	Grid 9 M2
132.3 V/m	142.7 V/m	141.3 V/m

**Dipole E-Field measurement @ 1880MHz/E-Scan - 1880MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):**  
 Interpolated grid: dx=0.5000 mm, dy=0.5000 mm  
 Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 155.4 V/m; Power Drift = 0.02 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 E-field emissions = 90.15 V/m  
 Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 M3	Grid 2 M3	Grid 3 M3
89.85 V/m	91.48 V/m	89.95 V/m
Grid 4 M3	Grid 5 M3	Grid 6 M3
69.83 V/m	70.52 V/m	69.43 V/m
Grid 7 M3	Grid 8 M3	Grid 9 M3
86.98 V/m	90.15 V/m	89.52 V/m



0 dB = 142.7 V/m = 43.09 dBV/m

**The photos of HAC test are presented in the additional document:**

Appendix to test report no. 2013HAC00029

The photos of HAC test