Validation E Field Probe SN2282, Dipole SN1020, 835MHz

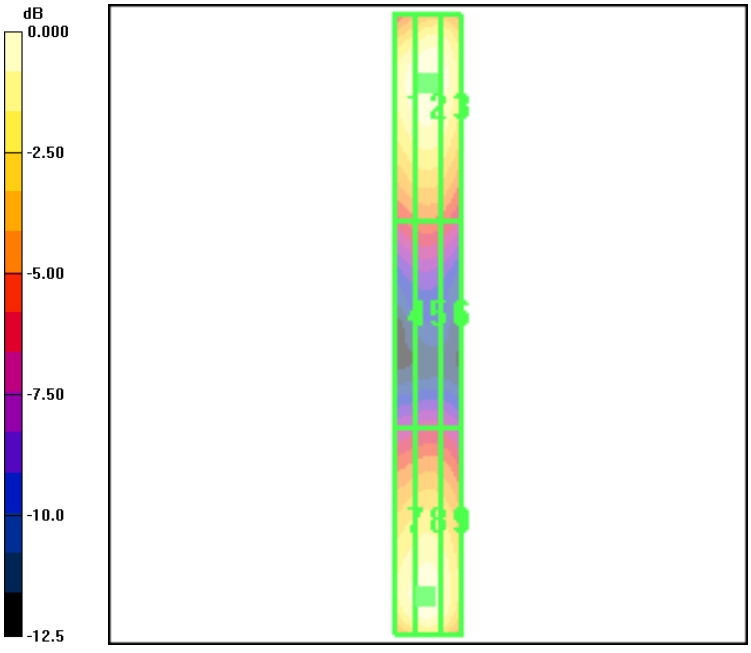
Date: 1/05/2010

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 8/14/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

E Scan 835 - 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 = 162.8 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 187.9 V/m; Power Drift = -0.270 dB

Peak E-field in V/m

Grid 1 **158.0 M4**	Grid 2 **162.8 M4**	Grid 3 **157.4 M4**
Grid 4 **89.2 M4**	Grid 5 **90.9 M4**	Grid 6 **87.9 M4**
Grid 7 **155.1 M4**	Grid 8 **160.8 M4**	Grid 9 **152.1 M4**



0 dB = 162.8V/m

Validation E Field Probe SN2282, Dipole SN1015, 1700MHz

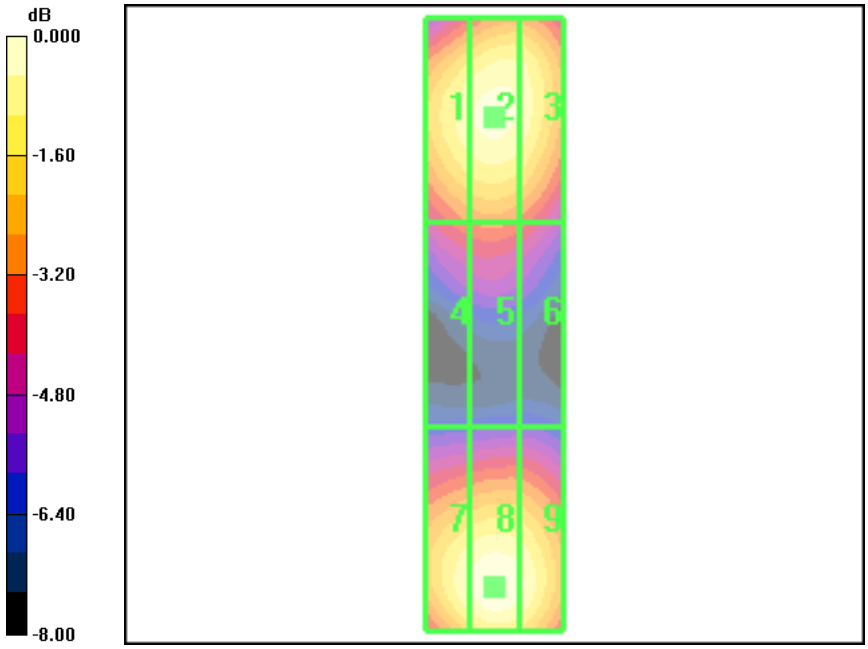
Date: 1/05/2010

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section
DASY4 Configuration:
Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 8/14/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186
Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

E Scan 1710 - 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 = 145.2 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 163.7 V/m; Power Drift = -0.014 dB

Peak E-field in V/m

Grid 1 **135.4 M2**	Grid 2 **140.0 M2**	Grid 3 **136.1 M2**
Grid 4 **100.8 M3**	Grid 5 **103.4 M3**	Grid 6 **98.9 M3**
Grid 7 **138.2 M2**	Grid 8 **145.2 M2**	Grid 9 **139.7 M2**



0 dB = 145.2V/m

Validation E Field Probe SN2282, Dipole SN1015, 1900MHz

Date: 01/05/2010

Communication System: CW-1880, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section

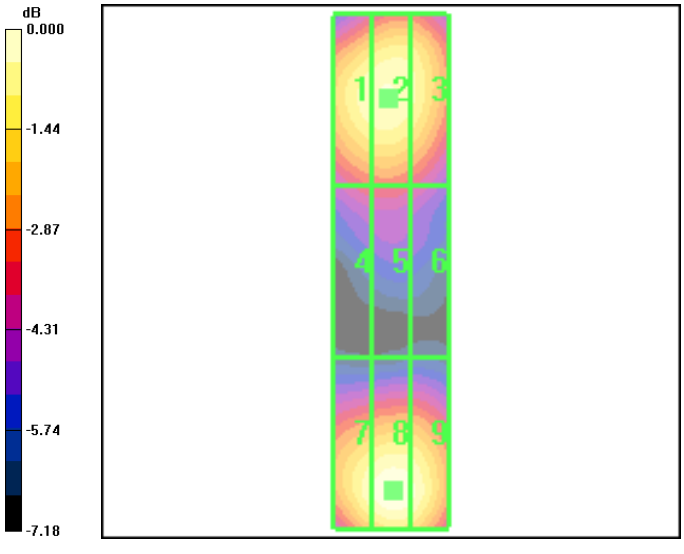
DASY4 Configuration:
Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 8/14/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

E Scan 1880 - 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 = 133.8 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 152.3 V/m; Power Drift = -0.010 dB

Peak E-field in V/m

Grid 1 **125.4 M2**	Grid 2 **127.7 M2**	Grid 3 **122.4 M2**
Grid 4 **91.0 M3**	Grid 5 **92.3 M3**	Grid 6 **87.9 M3**
Grid 7 **126.3 M2**	Grid 8 **133.8 M2**	Grid 9 **129.4 M2**



0 dB = 133.8V/m

Validation H Field Probe SN6123, Dipole SN1020, 835MHz

Date: 1/06/2010

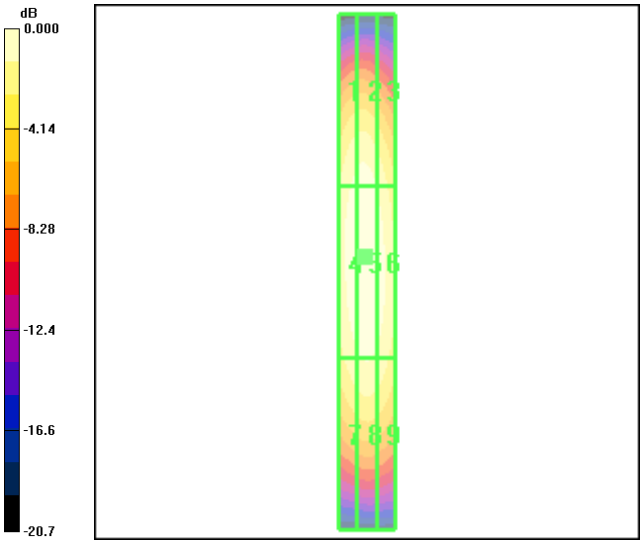
Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section

DASY4 Configuration:
Probe: H3DV6 - SN6123, , Calibrated: 7/16/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C
H 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 = 0.479 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.514 A/m; Power Drift = -0.020 dB

Peak H-field in A/m

Grid 1 **0.430 M4**	Grid 2 **0.442 M4**	Grid 3 **0.403 M4**
Grid 4 **0.462 M4**	Grid 5 **0.479 M4**	Grid 6 **0.449 M4**
Grid 7 **0.397 M4**	Grid 8 **0.414 M4**	Grid 9 **0.395 M4**



0 dB = 0.479A/m

Validation H Field Probe SN6123, Dipole SN1015, 1700MHz

Date: 1/06/2010

Communication System: CW, Frequency: 1730 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section

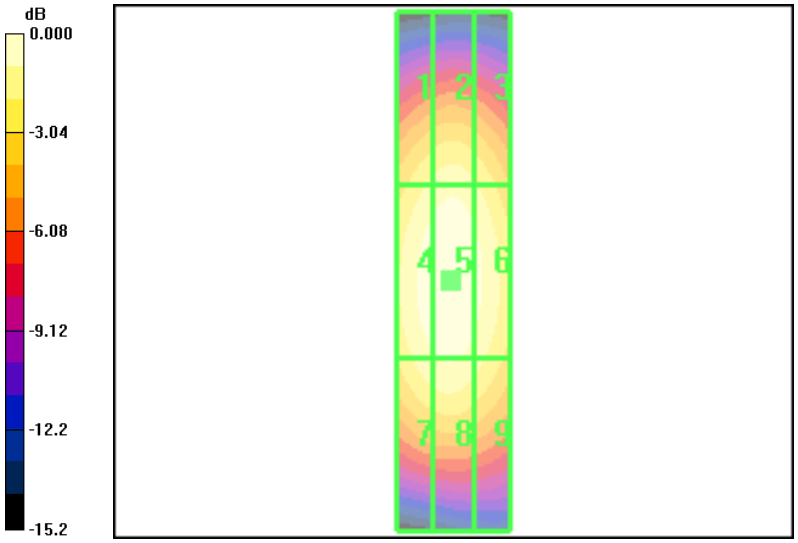
DASY4 Configuration:
Probe: H3DV6 - SN6123, , Calibrated: 7/16/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

H 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 = 0.460 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.492 A/m; Power Drift = -0.035 dB

Peak H-field in A/m

Grid 1 **0.377 M2**	Grid 2 **0.396 M2**	Grid 3 **0.372 M2**
Grid 4 **0.443 M2**	Grid 5 **0.460 M2**	Grid 6 **0.431 M2**
Grid 7 **0.403 M2**	Grid 8 **0.415 M2**	Grid 9 **0.387 M2**



0 dB = 0.460A/m

Validation H Field Probe SN6123, Dipole SN1015, 1900MHz

Date: 1/06/2010

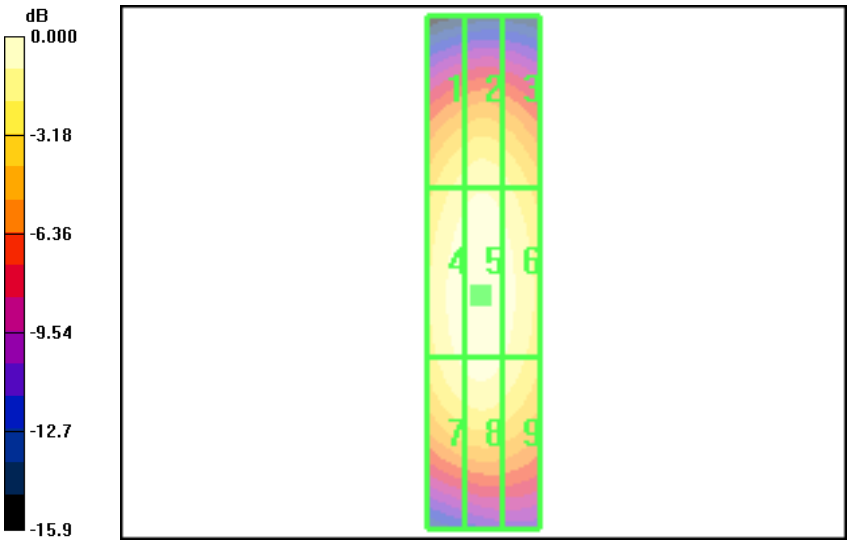
Communication System: CW-1880, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Air,Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom: HAC Test Arch with AMCC,Phantom section: RF Section

DASY4 Configuration:
Probe: H3DV6 - SN6123, , Calibrated: 7/16/2009
Sensor-Surface: (Fix Surface),
Electronics: DAE4 Sn530,Calibrated: 3/12/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C
H 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 = 0.468 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, -6.30 mm
Reference Value = 0.495 A/m; Power Drift = -0.049 dB

Peak H-field in A/m

Grid 1 **0.389 M2**	Grid 2 **0.408 M2**	Grid 3 **0.384 M2**
Grid 4 **0.451 M2**	Grid 5 **0.468 M2**	Grid 6 **0.440 M2**
Grid 7 **0.426 M2**	Grid 8 **0.441 M2**	Grid 9 **0.415 M2**



0 dB = 0.468A/m