Validation E-Field Probe SN2341, Dipole SN1020, 800MHz

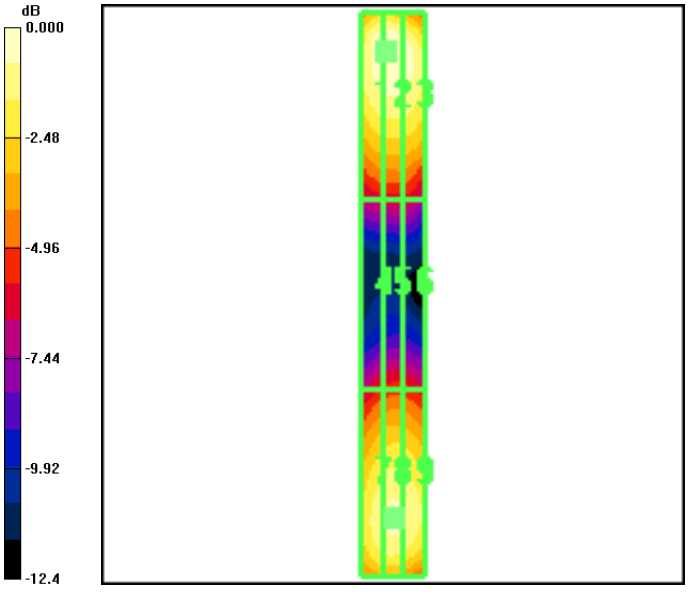
Date: 5/13/2009

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 3/10/2009
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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 = 150.3 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 53.2 V/m; Power Drift = -0.117 dB

Peak E-field in V/m

Grid 1 **149.7 M4**	Grid 2 **150.3 M4**	Grid 3 **146.4 M4**
Grid 4 **78.7 M4**	Grid 5 **81.4 M4**	Grid 6 **80.3 M4**
Grid 7 **135.0 M4**	Grid 8 **139.8 M4**	Grid 9 **137.4 M4**



0 dB = 150.3V/m

Validation E-Field Probe SN2341, Dipole SN1015, 1700MHz

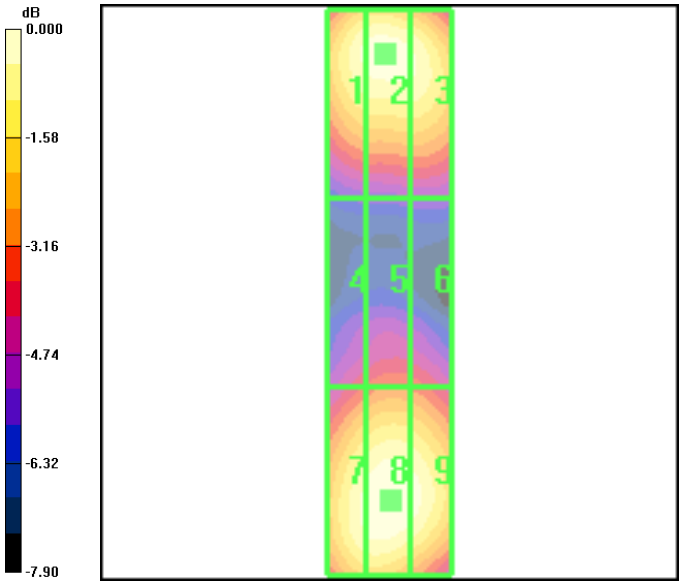
Date: 05/13/2009

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 3/10/2009
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

E Scan - measurement distance from the probe sensor center to CD1700 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 143.8 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 120.4 V/m; Power Drift = -0.040 dB

Peak E-field in V/m

Grid 1 **139.0 M2**	Grid 2 **141.4 M2**	Grid 3 **137.2 M2**
Grid 4 **96.2 M3**	Grid 5 **101.1 M3**	Grid 6 **99.0 M3**
Grid 7 **139.4 M2**	Grid 8 **143.8 M2**	Grid 9 **139.8 M2**



0 dB = 143.8V/m

Validation E-Field Probe SN2341, Dipole SN1015, 1900MHz

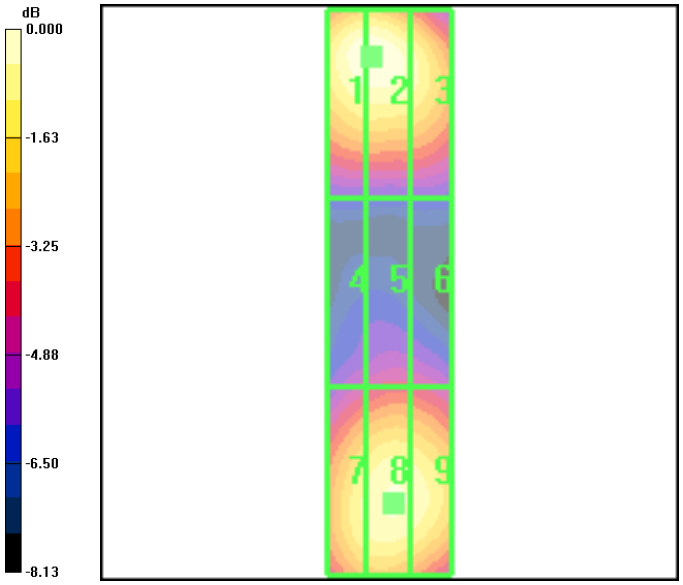
Date: 5/13/2009

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 3/10/2009
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

E Scan - measurement distance from the probe sensor center to CD1700 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 146.7 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 117.3 V/m; Power Drift = -0.016 dB

Peak E-field in V/m

Grid 1 **146.4 M2**	Grid 2 **146.7 M2**	Grid 3 **134.8 M2**
Grid 4 **87.5 M3**	Grid 5 **92.5 M3**	Grid 6 **91.1 M3**
Grid 7 **133.5 M2**	Grid 8 **139.3 M2**	Grid 9 **136.7 M2**



0 dB = 146.7V/m

Validation H-Field Probe SN6123, Dipole SN1020, 800MHz

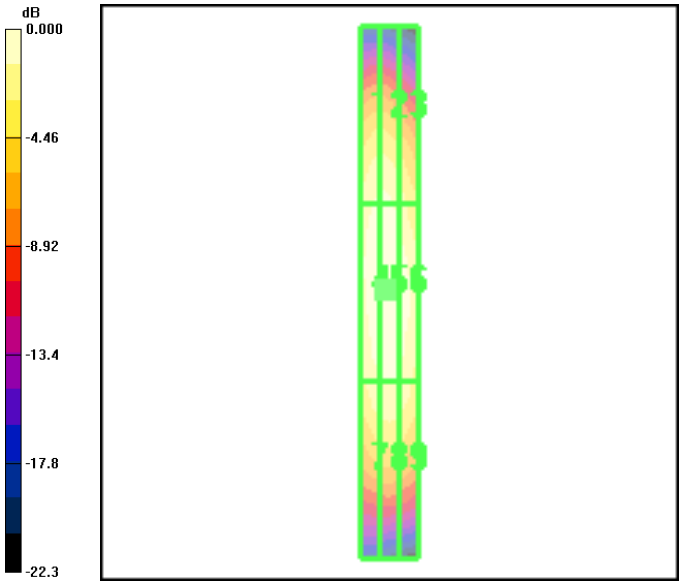
Date: 5/14/2009

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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 = 0.438 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.387 A/m; Power Drift = 0.060 dB

Peak H-field in A/m

Grid 1 **0.383 M4**	Grid 2 **0.387 M4**	Grid 3 **0.345 M4**
Grid 4 **0.430 M4**	Grid 5 **0.438 M4**	Grid 6 **0.418 M4**
Grid 7 **0.367 M4**	Grid 8 **0.375 M4**	Grid 9 **0.353 M4**



0 dB = 0.438A/m

Validation H-Field Probe SN6123, Dipole SN1015, 1700MHz

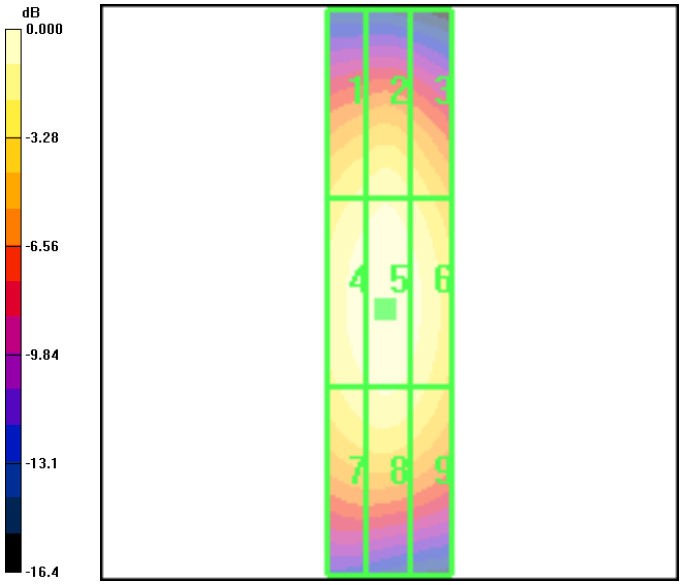
Date: 5/14/2009

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

H Scan - 0mm measurement distance from the probe sensor center to CD1700 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 0.452 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.411 A/m; Power Drift = 0.105 dB

Peak H-field in A/m

Grid 1 **0.373 M2**	Grid 2 **0.391 M2**	Grid 3 **0.356 M2**
Grid 4 **0.436 M2**	Grid 5 **0.452 M2**	Grid 6 **0.420 M2**
Grid 7 **0.393 M2**	Grid 8 **0.408 M2**	Grid 9 **0.380 M2**



0 dB = 0.452A/m

Validation H-Field Probe SN6123, Dipole SN1015, 1900MHz

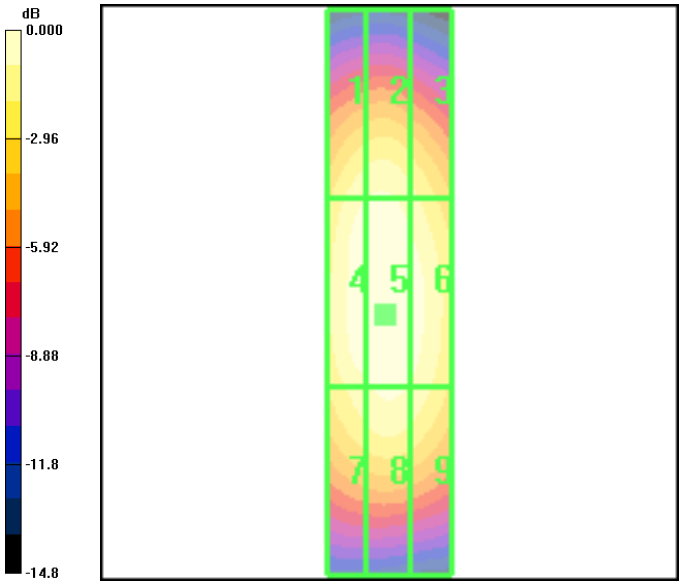
Date: 5/14/2009

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: H Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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 = 0.507 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.477 A/m; Power Drift = -0.091 dB

Peak H-field in A/m

Grid 1 **0.453 M2**	Grid 2 **0.461 M2**	Grid 3 **0.420 M2**
Grid 4 **0.495 M2**	Grid 5 **0.507 M2**	Grid 6 **0.483 M2**
Grid 7 **0.445 M2**	Grid 8 **0.463 M2**	Grid 9 **0.446 M2**



0 dB = 0.507A/m