HAC-RF Emission

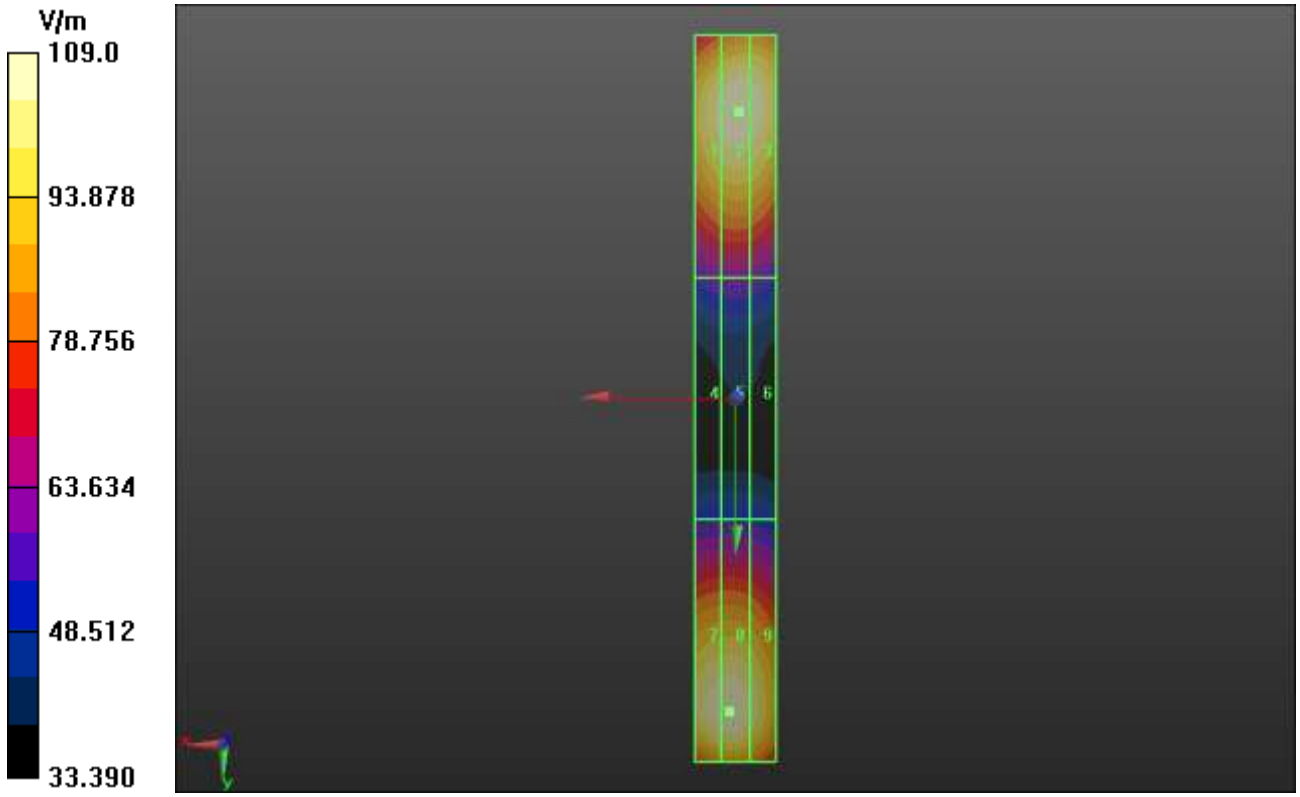
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

Dipole E-Field measurement/835 MHz/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 105.9 V/m; Power Drift = 0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 109.0 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **106.2 V/m**	Grid 2 **M4** **109.0 V/m**	Grid 3 **M4** **108.2 V/m**
Grid 4 **M4** **60.28 V/m**	Grid 5 **M4** **61.25 V/m**	Grid 6 **M4** **60.32 V/m**
Grid 7 **M4** **107.9 V/m**	Grid 8 **M4** **108.5 V/m**	Grid 9 **M4** **103.7 V/m**



HAC-RF Emission

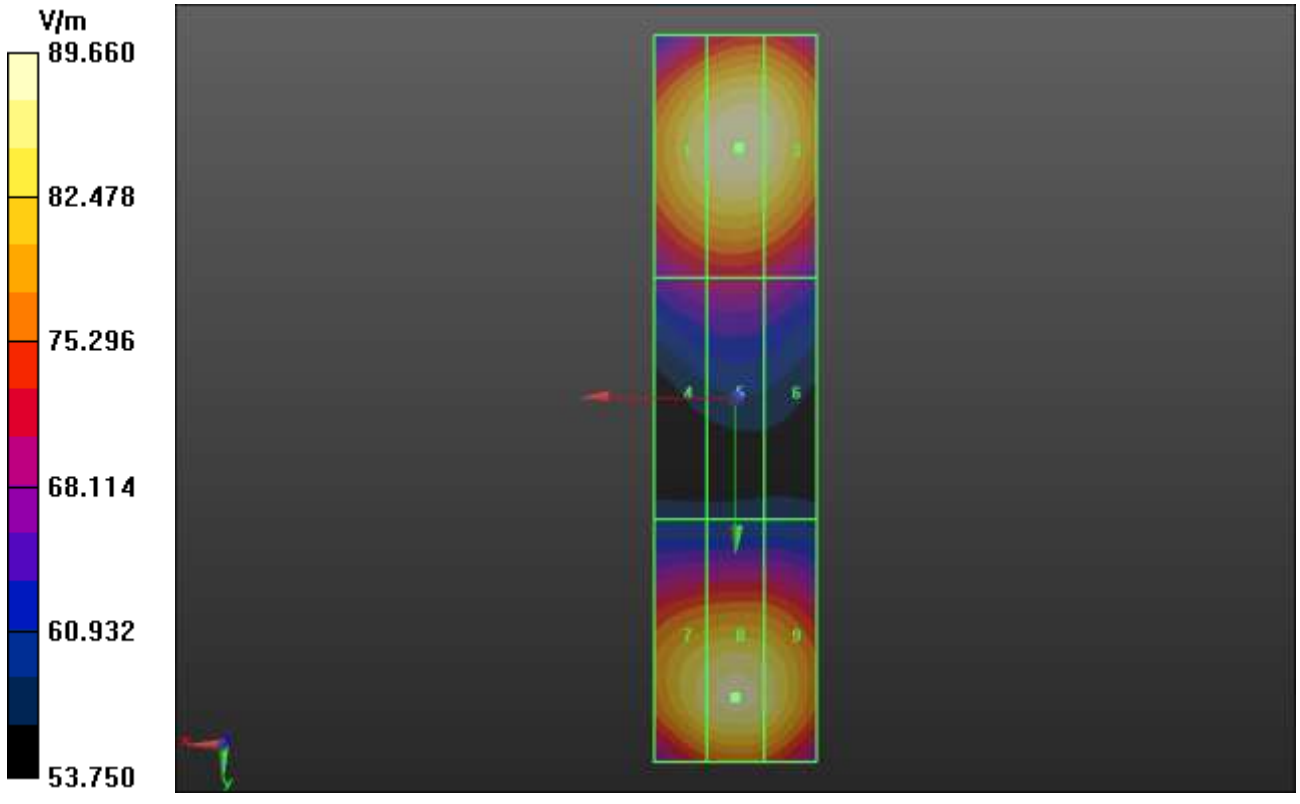
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

Dipole E-Field measurement/1880 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 152.6 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.66 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **87.75 V/m**	Grid 2 **M3** **89.66 V/m**	Grid 3 **M3** **88.68 V/m**
Grid 4 **M3** **70.39 V/m**	Grid 5 **M3** **71.16 V/m**	Grid 6 **M3** **69.91 V/m**
Grid 7 **M3** **86.47 V/m**	Grid 8 **M3** **87.88 V/m**	Grid 9 **M3** **86.65 V/m**



HAC-RF Emission

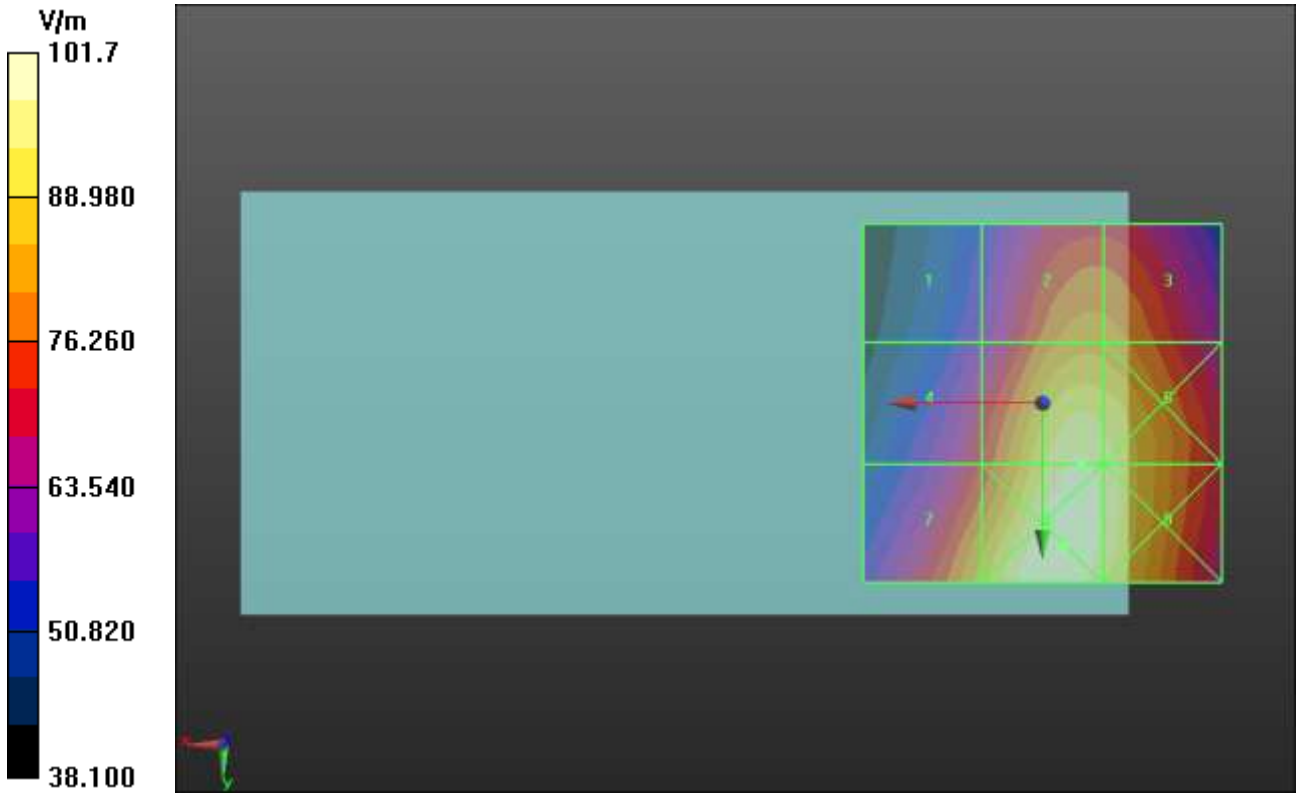
Frequency: 824.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 82.44 V/m; Power Drift = 0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 39.83 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.79 dBV/m**	Grid 2 **M4** **38.46 dBV/m**	Grid 3 **M4** **38.4 dBV/m**
Grid 4 **M4** **37.28 dBV/m**	Grid 5 **M4** **39.83 dBV/m**	Grid 6 **M4** **39.62 dBV/m**
Grid 7 **M4** **38.83 dBV/m**	Grid 8 **M3** **40.14 dBV/m**	Grid 9 **M4** **39.7 dBV/m**



HAC-RF Emission

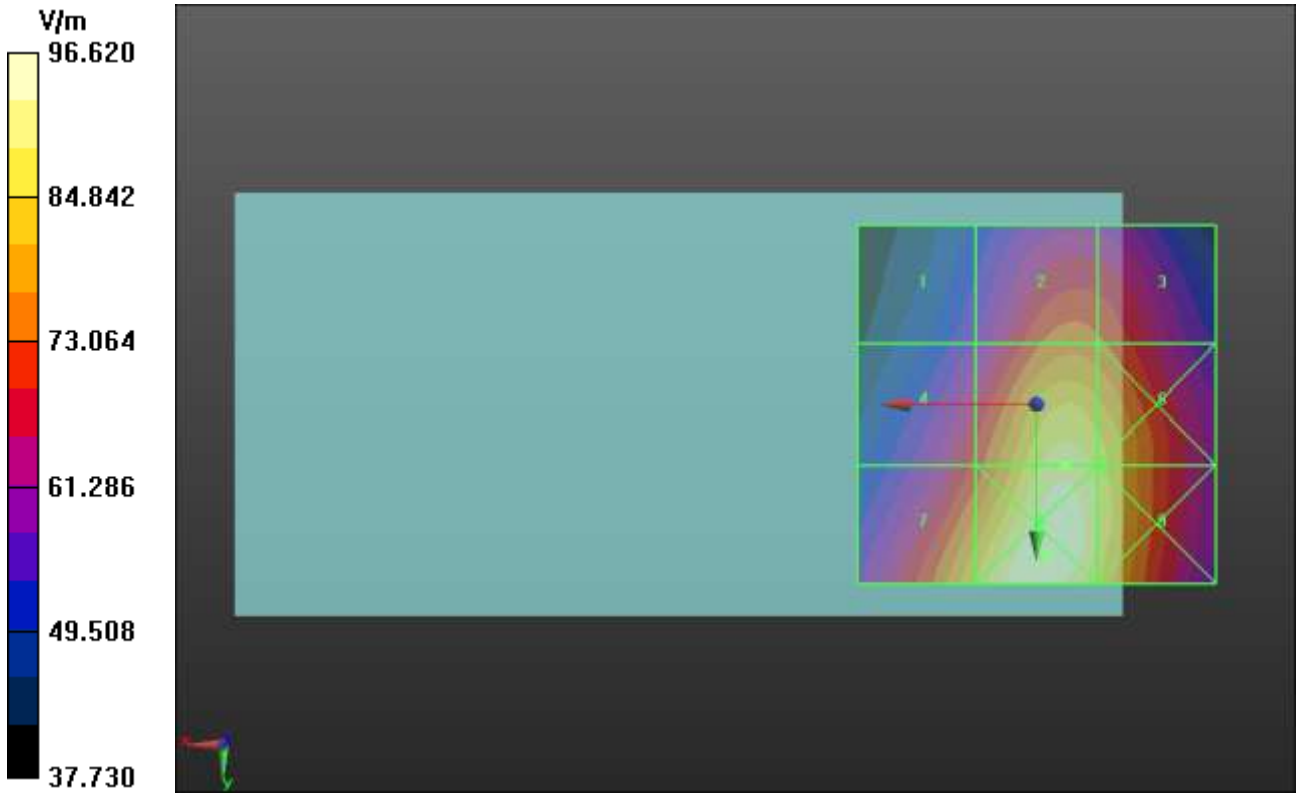
Frequency: 836.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 78.56 V/m; Power Drift = 0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 39.22 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.35 dBV/m**	Grid 2 **M4** **37.61 dBV/m**	Grid 3 **M4** **37.4 dBV/m**
Grid 4 **M4** **37.01 dBV/m**	Grid 5 **M4** **39.22 dBV/m**	Grid 6 **M4** **38.8 dBV/m**
Grid 7 **M4** **38.65 dBV/m**	Grid 8 **M4** **39.7 dBV/m**	Grid 9 **M4** **38.98 dBV/m**



HAC-RF Emission

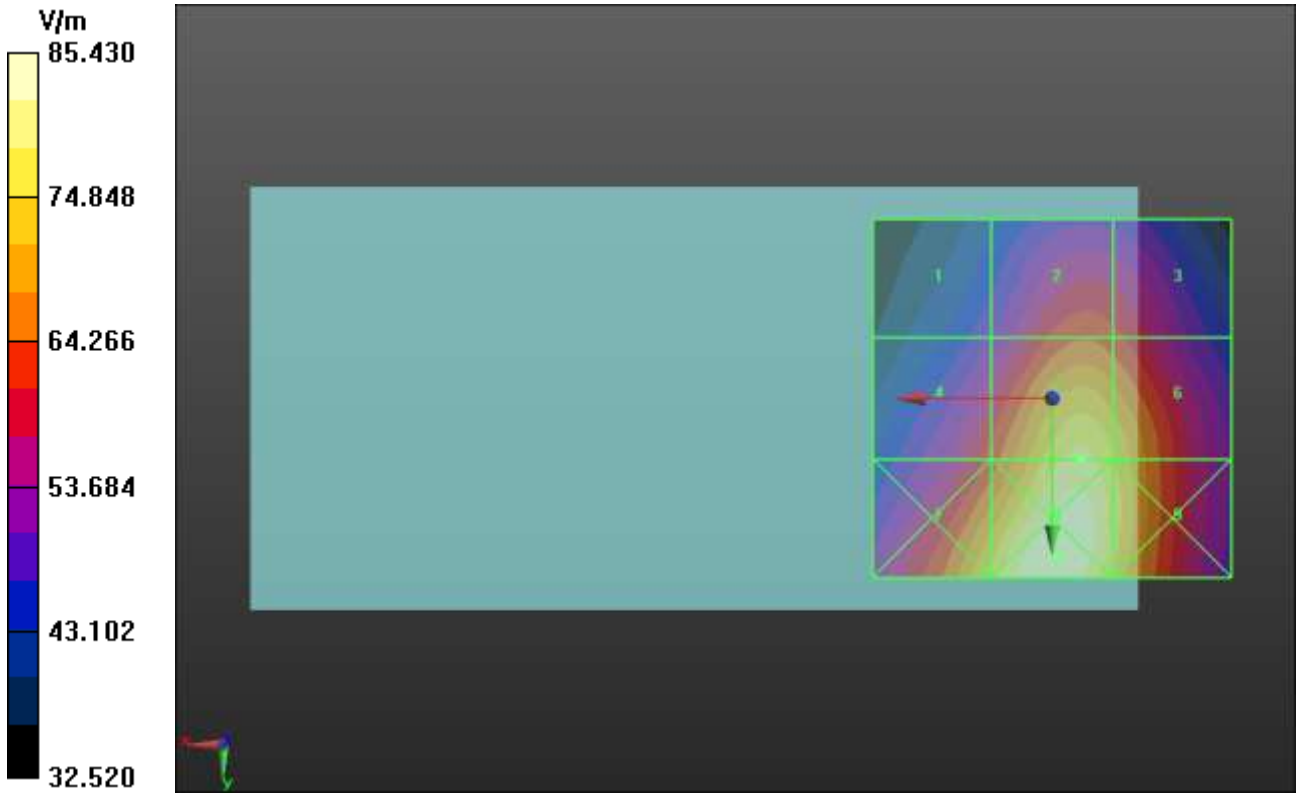
Frequency: 848.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 68.46 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 38.02 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **34.04 dBV/m**	Grid 2 **M4** **36.14 dBV/m**	Grid 3 **M4** **35.87 dBV/m**
Grid 4 **M4** **35.91 dBV/m**	Grid 5 **M4** **38.02 dBV/m**	Grid 6 **M4** **37.51 dBV/m**
Grid 7 **M4** **37.67 dBV/m**	Grid 8 **M4** **38.63 dBV/m**	Grid 9 **M4** **37.75 dBV/m**



HAC-RF Emission

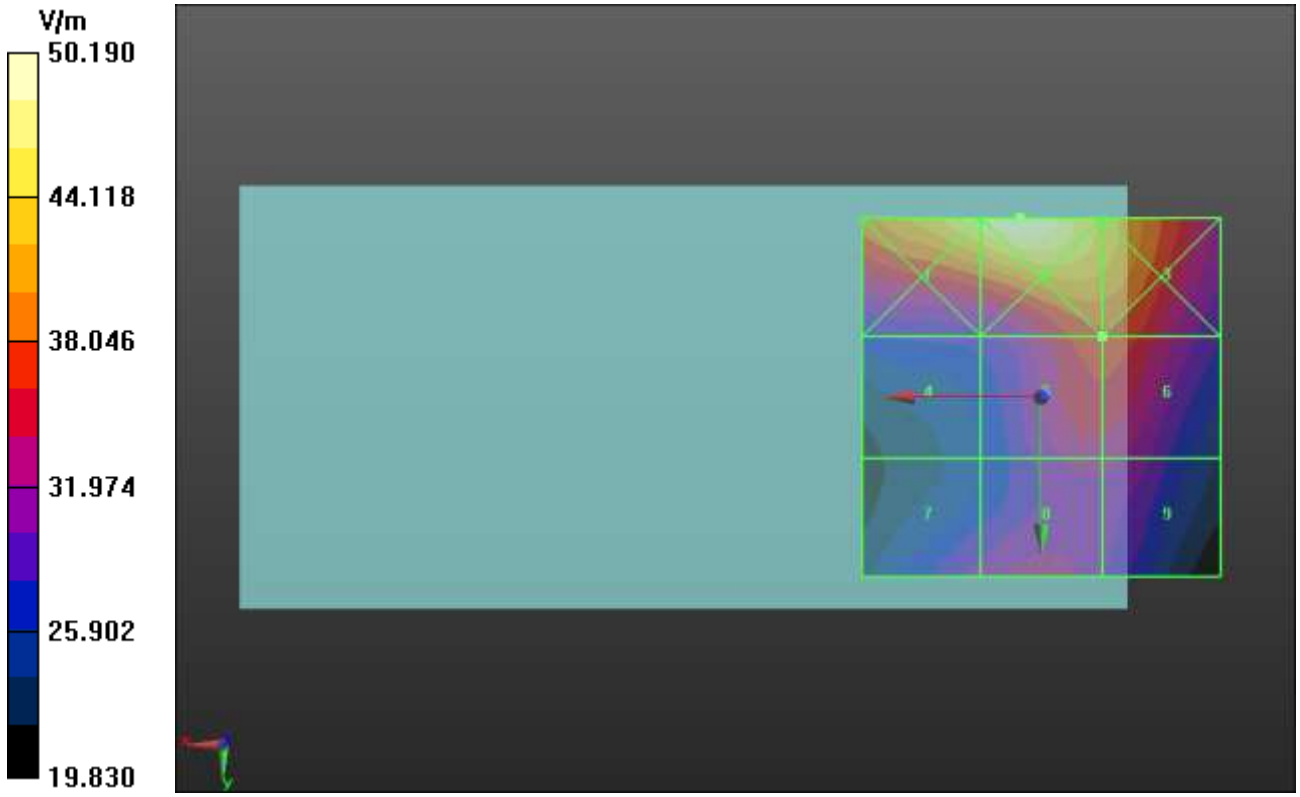
Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 30.94 V/m; Power Drift = -0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.51 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.57 dBV/m**	Grid 2 **M3** **34.01 dBV/m**	Grid 3 **M3** **32.79 dBV/m**
Grid 4 **M4** **29.39 dBV/m**	Grid 5 **M3** **31.51 dBV/m**	Grid 6 **M3** **31.51 dBV/m**
Grid 7 **M4** **29.85 dBV/m**	Grid 8 **M3** **30.38 dBV/m**	Grid 9 **M3** **30.33 dBV/m**



HAC-RF Emission

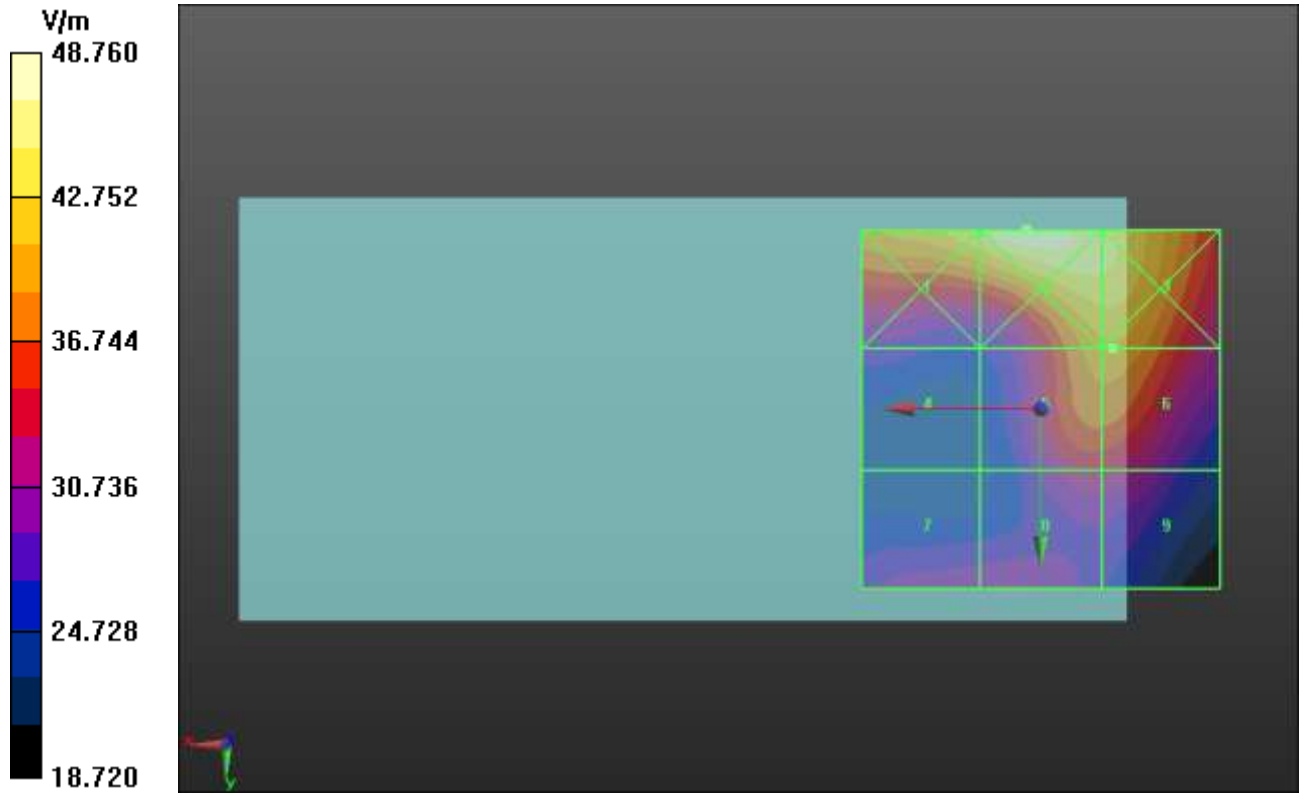
Frequency: 1880 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 32.28 V/m; Power Drift = 0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 32.13 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.21 dBV/m**	Grid 2 **M3** **33.76 dBV/m**	Grid 3 **M3** **33.15 dBV/m**
Grid 4 **M4** **29.09 dBV/m**	Grid 5 **M3** **32.09 dBV/m**	Grid 6 **M3** **32.13 dBV/m**
Grid 7 **M4** **29.79 dBV/m**	Grid 8 **M3** **30.36 dBV/m**	Grid 9 **M3** **30.36 dBV/m**



HAC-RF Emission

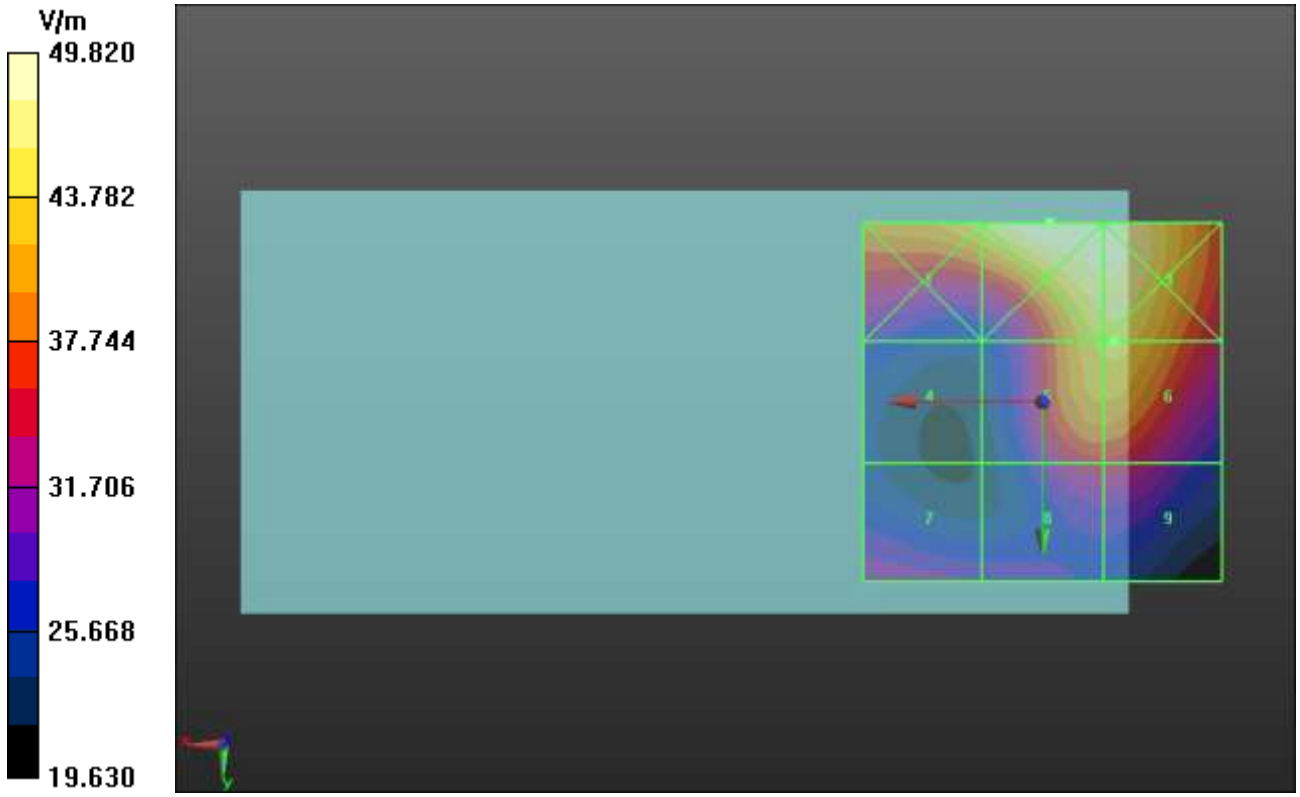
Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

UAT_GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 35.24 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.01 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.16 dBV/m**	Grid 2 **M3** **33.95 dBV/m**	Grid 3 **M3** **33.75 dBV/m**
Grid 4 **M4** **29.08 dBV/m**	Grid 5 **M3** **32.96 dBV/m**	Grid 6 **M3** **33.01 dBV/m**
Grid 7 **M4** **29.94 dBV/m**	Grid 8 **M3** **30.9 dBV/m**	Grid 9 **M3** **30.9 dBV/m**



HAC-RF Emission

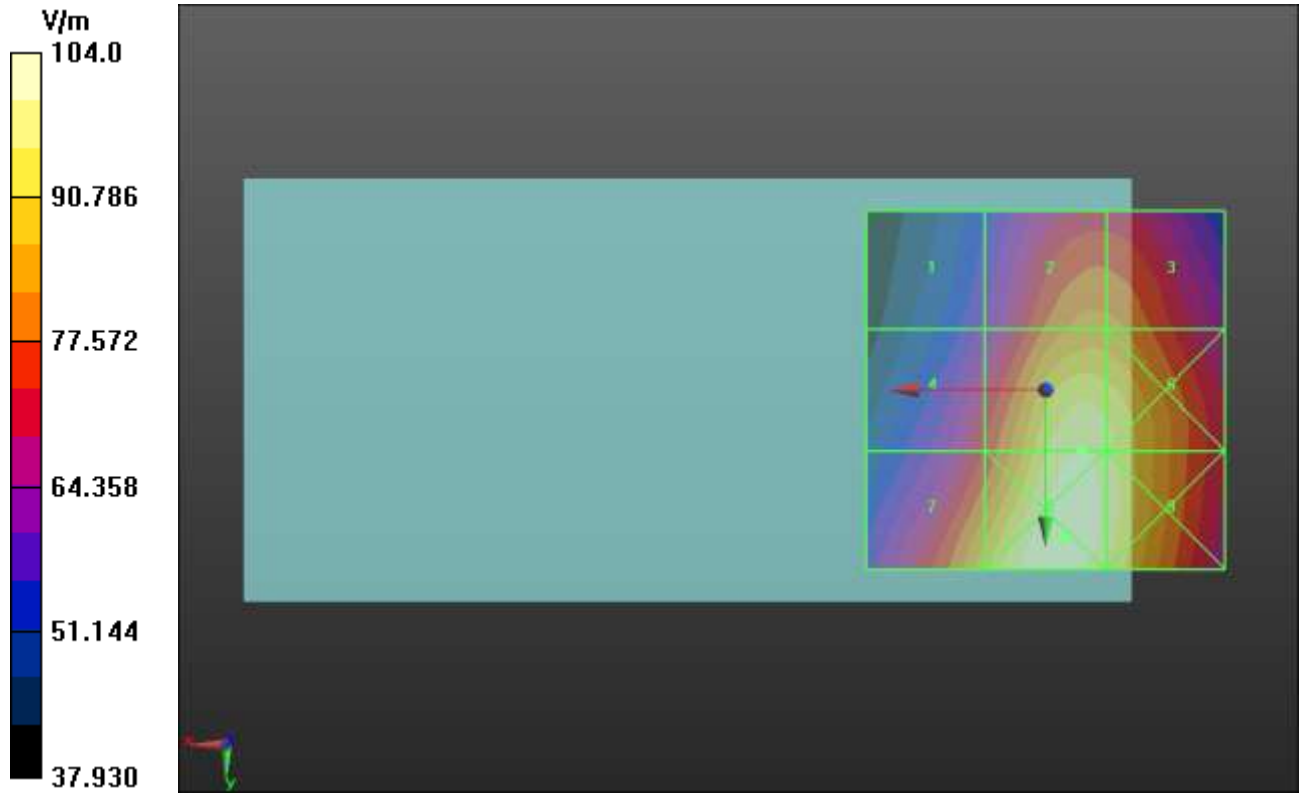
Frequency: 824.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 84.76 V/m; Power Drift = 0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 39.99 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.79 dBV/m**	Grid 2 **M4** **38.52 dBV/m**	Grid 3 **M4** **38.46 dBV/m**
Grid 4 **M4** **37.38 dBV/m**	Grid 5 **M4** **39.99 dBV/m**	Grid 6 **M4** **39.73 dBV/m**
Grid 7 **M4** **39.08 dBV/m**	Grid 8 **M3** **40.34 dBV/m**	Grid 9 **M4** **39.84 dBV/m**



HAC-RF Emission

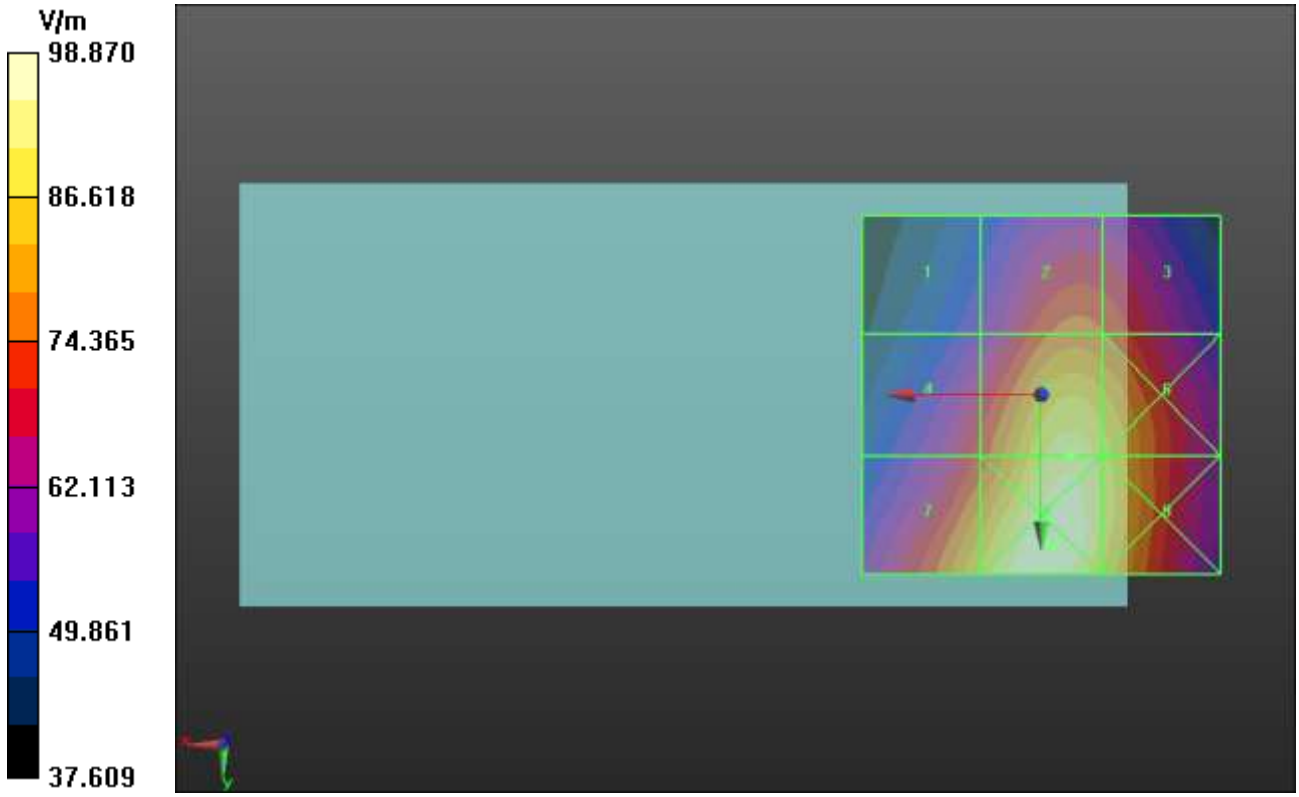
Frequency: 836.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 80.40 V/m; Power Drift = 0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 39.40 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.44 dBV/m**	Grid 2 **M4** **37.71 dBV/m**	Grid 3 **M4** **37.51 dBV/m**
Grid 4 **M4** **37.16 dBV/m**	Grid 5 **M4** **39.4 dBV/m**	Grid 6 **M4** **38.97 dBV/m**
Grid 7 **M4** **38.85 dBV/m**	Grid 8 **M4** **39.9 dBV/m**	Grid 9 **M4** **39.11 dBV/m**



HAC-RF Emission

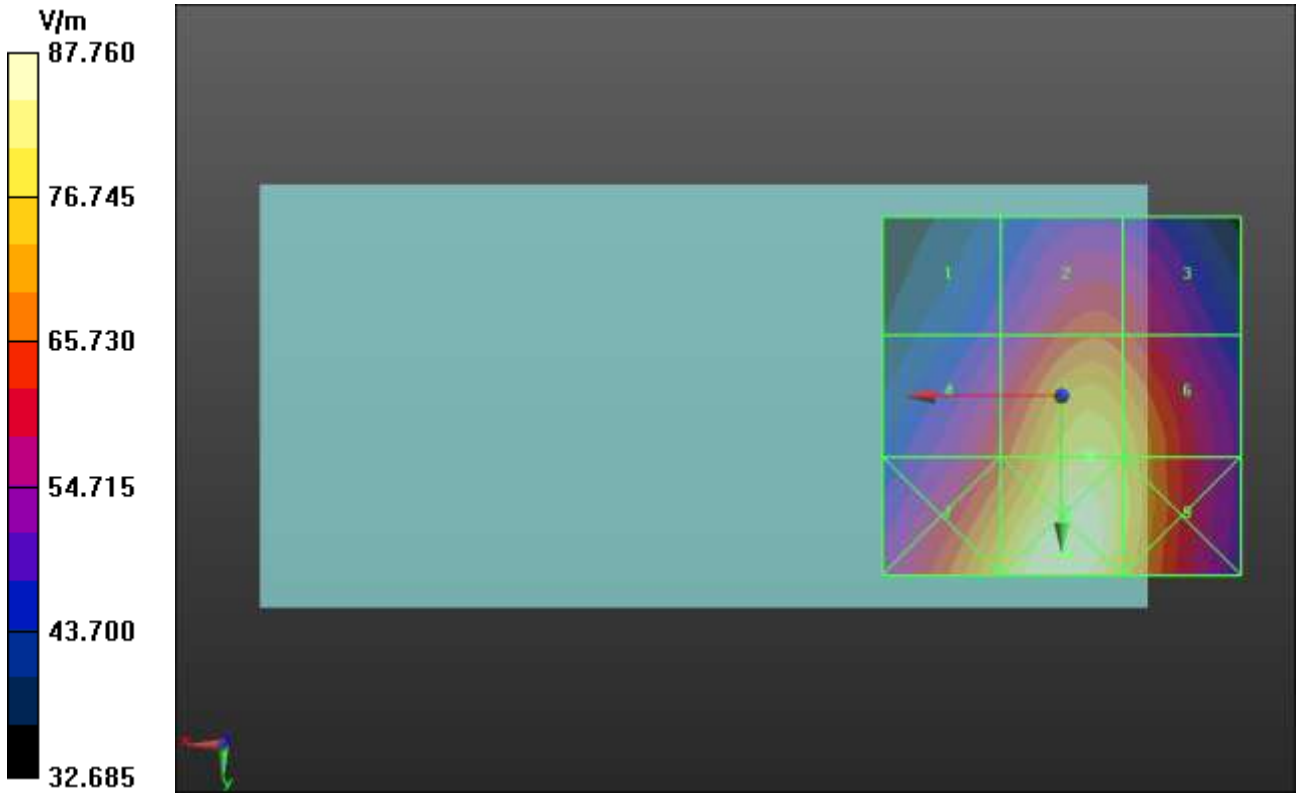
Frequency: 848.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 70.25 V/m; Power Drift = 0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 38.24 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **34.19 dBV/m**	Grid 2 **M4** **36.32 dBV/m**	Grid 3 **M4** **36.03 dBV/m**
Grid 4 **M4** **36.12 dBV/m**	Grid 5 **M4** **38.24 dBV/m**	Grid 6 **M4** **37.7 dBV/m**
Grid 7 **M4** **37.91 dBV/m**	Grid 8 **M4** **38.87 dBV/m**	Grid 9 **M4** **37.93 dBV/m**



HAC-RF Emission

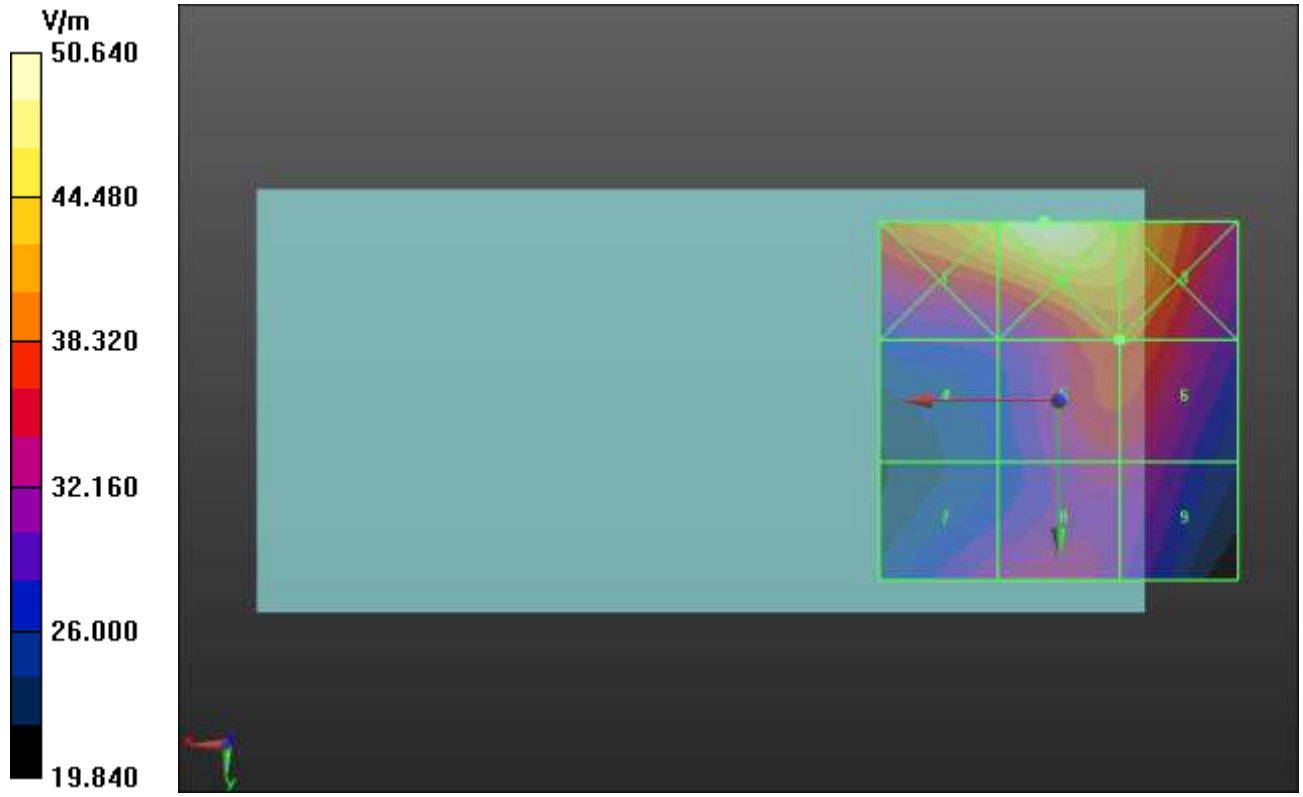
Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 31.80 V/m; Power Drift = 0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.74 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.47 dBV/m**	Grid 2 **M3** **34.09 dBV/m**	Grid 3 **M3** **32.92 dBV/m**
Grid 4 **M4** **29.48 dBV/m**	Grid 5 **M3** **31.74 dBV/m**	Grid 6 **M3** **31.74 dBV/m**
Grid 7 **M3** **30.15 dBV/m**	Grid 8 **M3** **30.59 dBV/m**	Grid 9 **M3** **30.51 dBV/m**



HAC-RF Emission

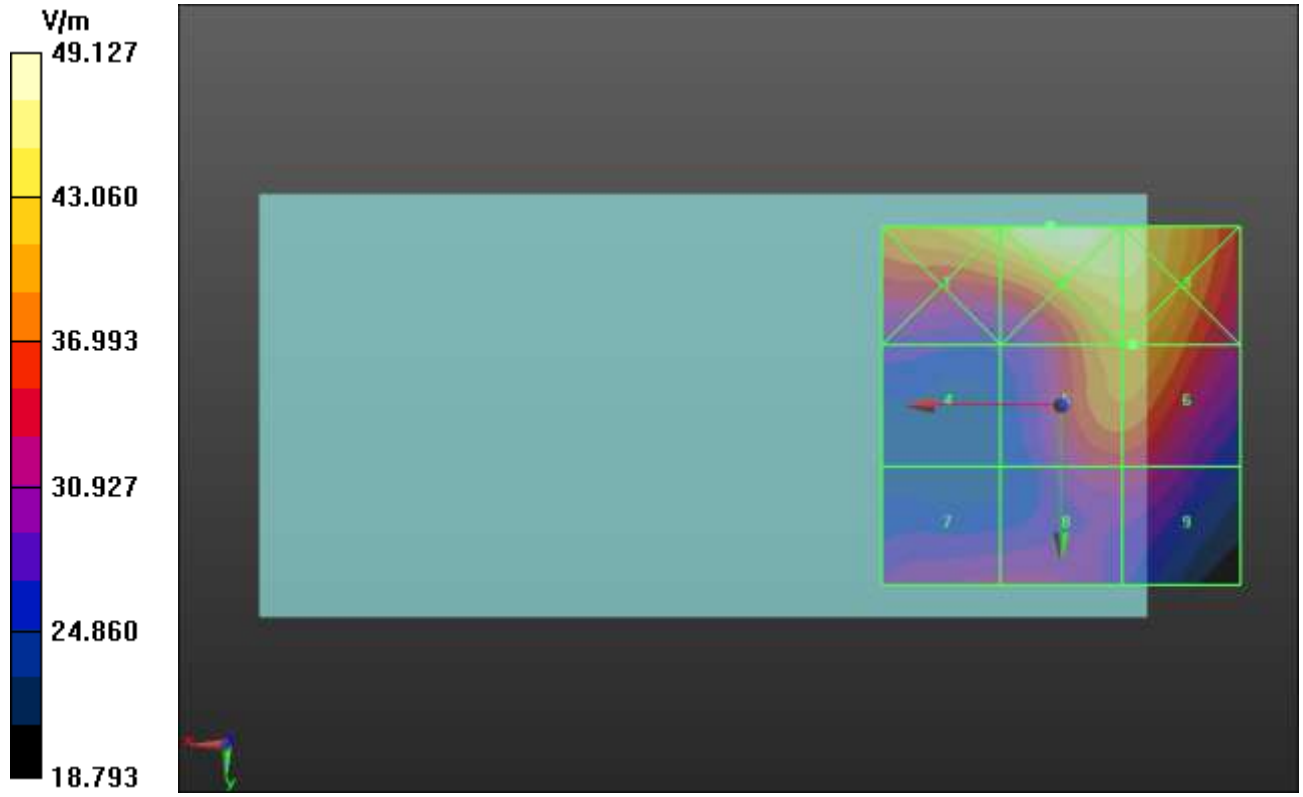
Frequency: 1880 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 33.40 V/m; Power Drift = -0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 32.33 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.19 dBV/m**	Grid 2 **M3** **33.83 dBV/m**	Grid 3 **M3** **33.3 dBV/m**
Grid 4 **M4** **29.05 dBV/m**	Grid 5 **M3** **32.29 dBV/m**	Grid 6 **M3** **32.33 dBV/m**
Grid 7 **M3** **30.11 dBV/m**	Grid 8 **M3** **30.52 dBV/m**	Grid 9 **M3** **30.51 dBV/m**



HAC-RF Emission

Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LAT_GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 33.92 V/m; Power Drift = -0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 32.68 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **32.68 dBV/m**	Grid 2 **M3** **33.58 dBV/m**	Grid 3 **M3** **33.47 dBV/m**
Grid 4 **M4** **28.71 dBV/m**	Grid 5 **M3** **32.67 dBV/m**	Grid 6 **M3** **32.73 dBV/m**
Grid 7 **M4** **29.67 dBV/m**	Grid 8 **M3** **30.48 dBV/m**	Grid 9 **M3** **30.48 dBV/m**