HAC-RF Emission

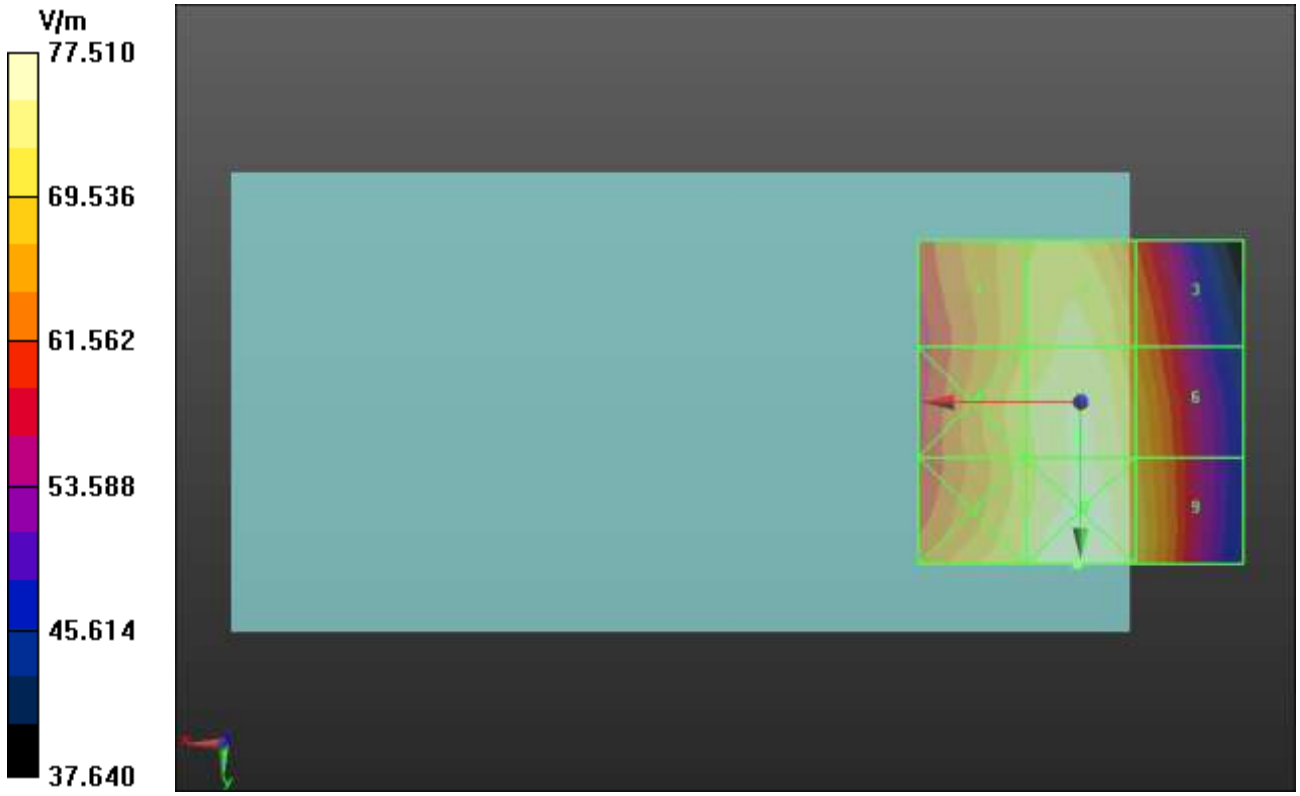
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 64.72 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 37.53 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **36.89 dBV/m**	Grid 2 **M4** **37.27 dBV/m**	Grid 3 **M4** **36.49 dBV/m**
Grid 4 **M4** **37.13 dBV/m**	Grid 5 **M4** **37.53 dBV/m**	Grid 6 **M4** **36.93 dBV/m**
Grid 7 **M4** **37.24 dBV/m**	Grid 8 **M4** **37.79 dBV/m**	Grid 9 **M4** **37.13 dBV/m**



HAC-RF Emission

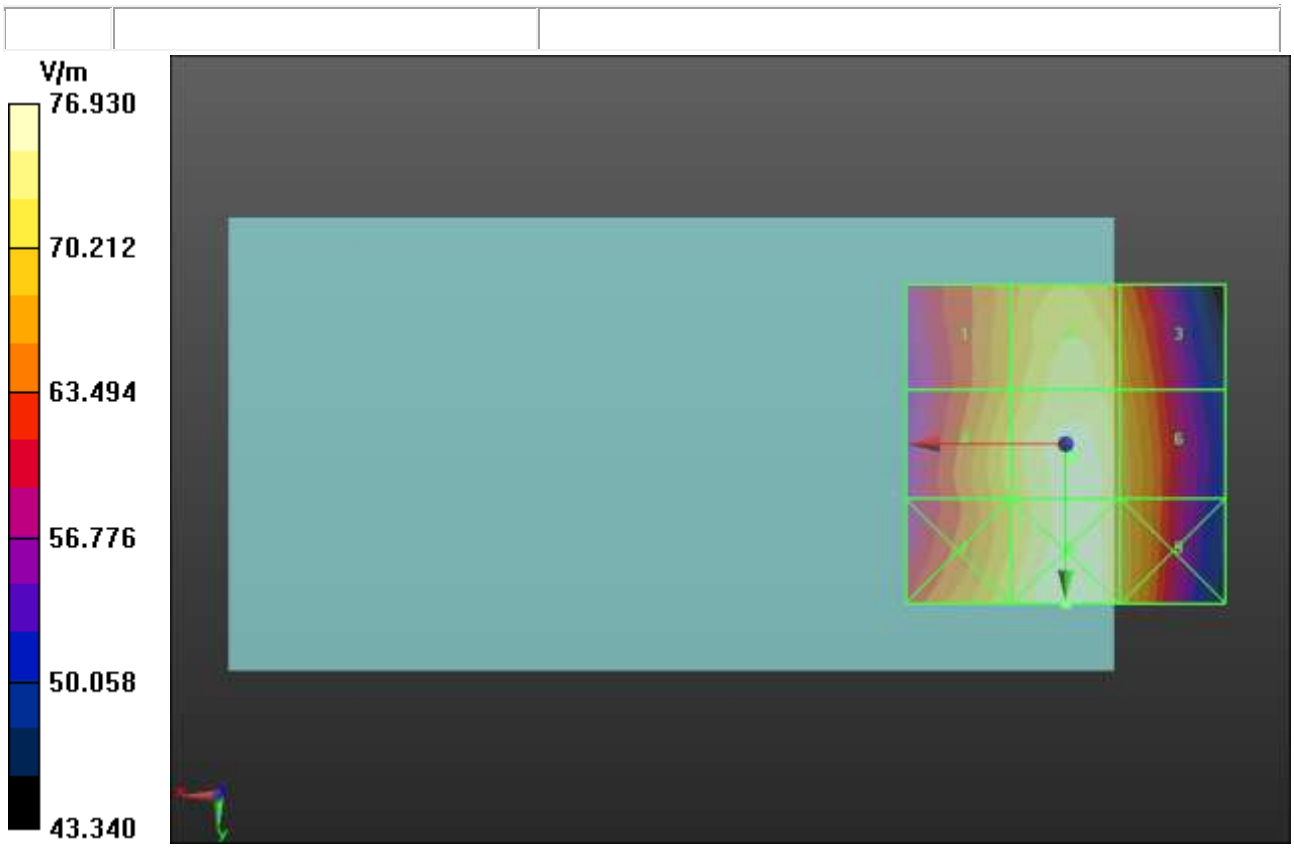
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 65.30 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 37.62 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **36.74 dBV/m**	Grid 2 **M4** **37.37 dBV/m**	Grid 3 **M4** **36.92 dBV/m**
Grid 4 **M4** **37.06 dBV/m**	Grid 5 **M4** **37.62 dBV/m**	Grid 6 **M4** **37.19 dBV/m**
Grid 7 **M4** **37.2 dBV/m**	Grid 8 **M4** **37.72 dBV/m**	Grid 9 **M4** **37.21 dBV/m**



HAC-RF Emission

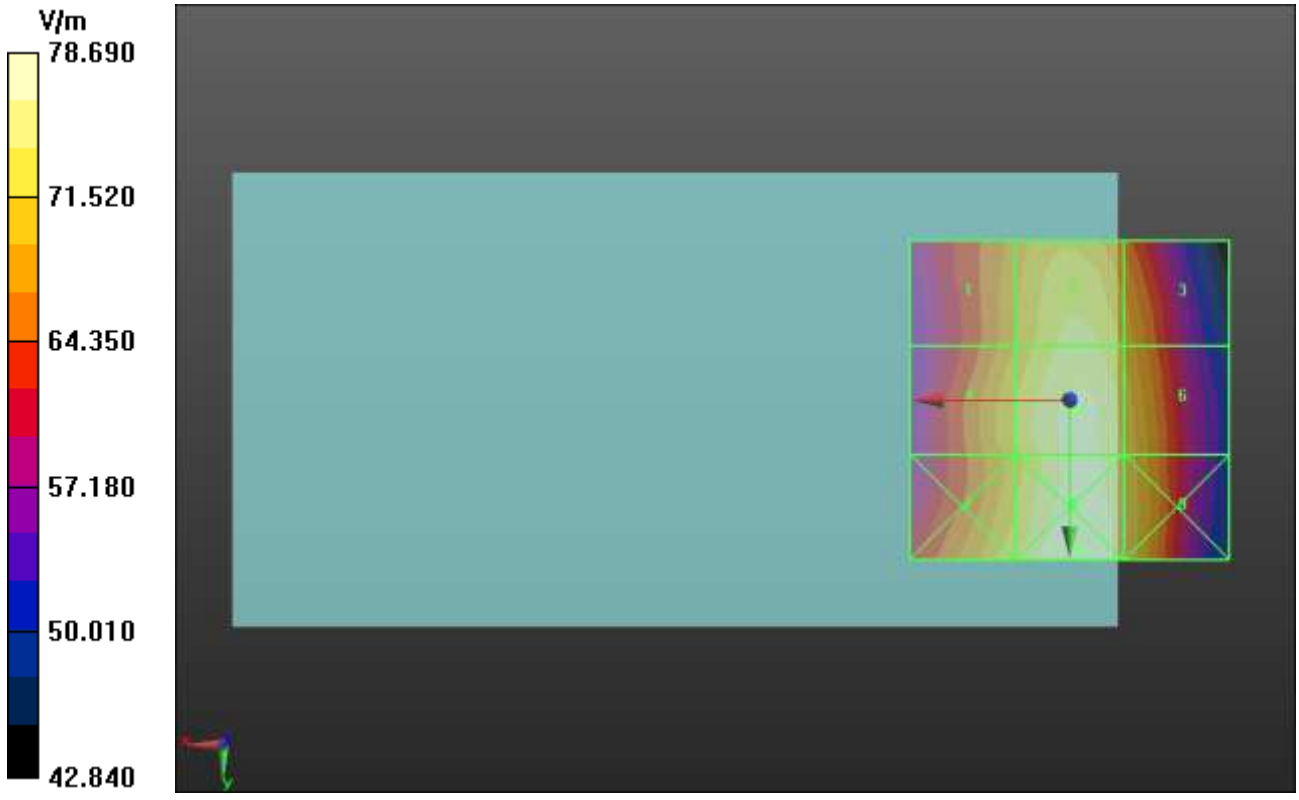
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 65.60 V/m; Power Drift = 0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 37.73 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **36.81 dBV/m**	Grid 2 **M4** **37.48 dBV/m**	Grid 3 **M4** **37.04 dBV/m**
Grid 4 **M4** **37.14 dBV/m**	Grid 5 **M4** **37.73 dBV/m**	Grid 6 **M4** **37.35 dBV/m**
Grid 7 **M4** **37.39 dBV/m**	Grid 8 **M4** **37.92 dBV/m**	Grid 9 **M4** **37.47 dBV/m**



HAC-RF Emission

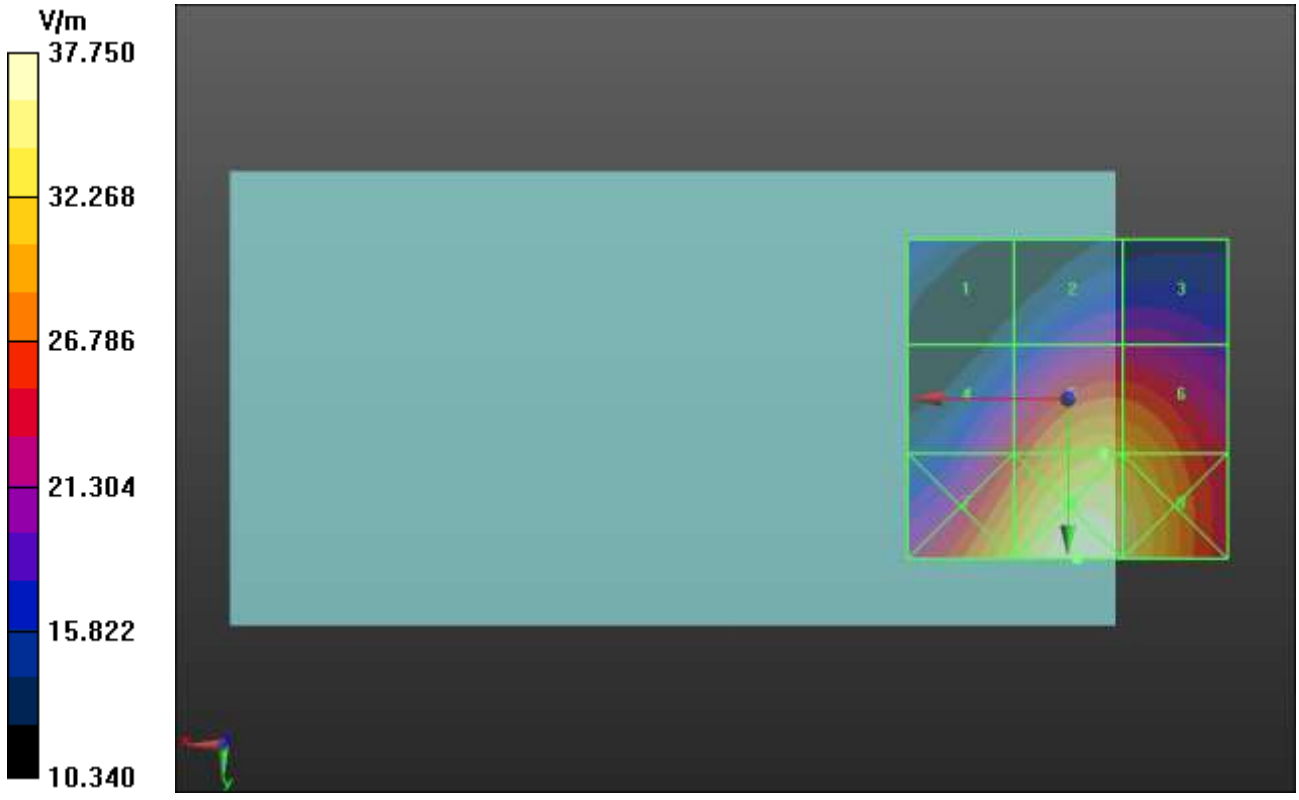
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 21.45 V/m; Power Drift = -0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.09 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **24.77 dBV/m**	Grid 2 **M4** **26.54 dBV/m**	Grid 3 **M4** **26.55 dBV/m**
Grid 4 **M4** **27.96 dBV/m**	Grid 5 **M3** **30.09 dBV/m**	Grid 6 **M4** **29.98 dBV/m**
Grid 7 **M3** **30.33 dBV/m**	Grid 8 **M3** **31.54 dBV/m**	Grid 9 **M3** **31.02 dBV/m**



HAC-RF Emission

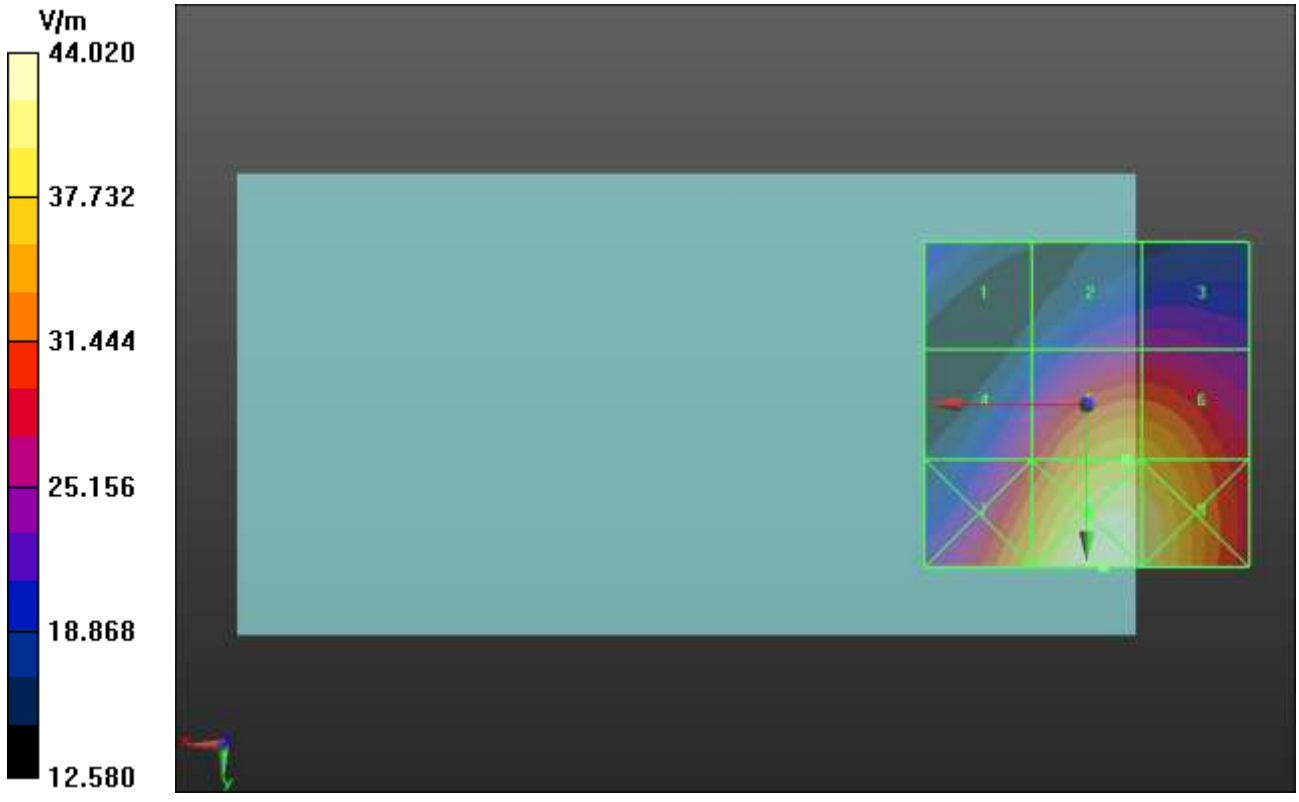
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 25.34 V/m; Power Drift = -0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.58 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **26.81 dBV/m**	Grid 2 **M4** **28.08 dBV/m**	Grid 3 **M4** **28.11 dBV/m**
Grid 4 **M4** **29.17 dBV/m**	Grid 5 **M3** **31.58 dBV/m**	Grid 6 **M3** **31.48 dBV/m**
Grid 7 **M3** **31.49 dBV/m**	Grid 8 **M3** **32.87 dBV/m**	Grid 9 **M3** **32.52 dBV/m**



HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/29/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1258; Calibrated: 3/6/2013
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 22.99 V/m; Power Drift = -0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.86 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **26.71 dBV/m**	Grid 2 **M4** **27.16 dBV/m**	Grid 3 **M4** **27.18 dBV/m**
Grid 4 **M4** **28.27 dBV/m**	Grid 5 **M3** **30.86 dBV/m**	Grid 6 **M3** **30.76 dBV/m**
Grid 7 **M3** **30.6 dBV/m**	Grid 8 **M3** **32.23 dBV/m**	Grid 9 **M3** **31.94 dBV/m**