

## 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 70.31 V/m; Power Drift = 0.05 dB

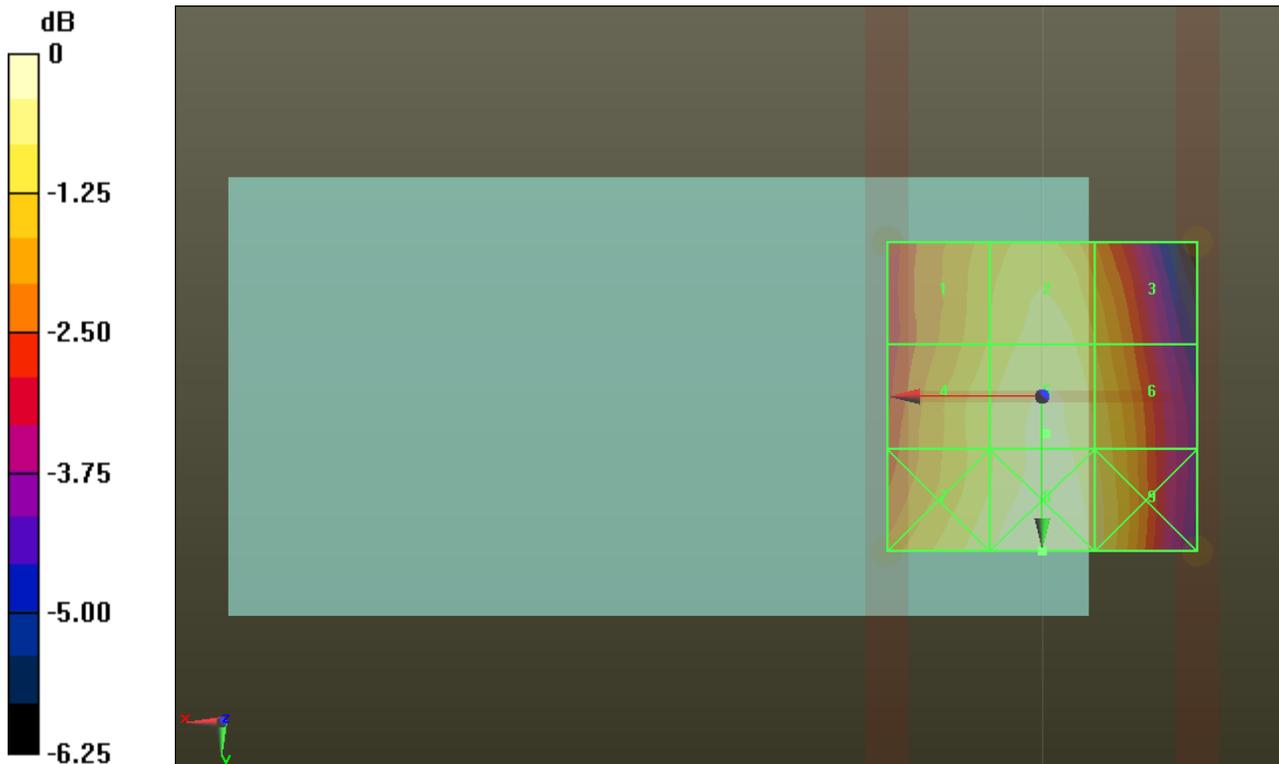
Applied MIF = 3.63 dB

RF audio interference level = 38.40 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.49 dBV/m</b>	Grid 2 <b>M4</b> <b>38.02 dBV/m</b>	Grid 3 <b>M4</b> <b>37.46 dBV/m</b>
Grid 4 <b>M4</b> <b>37.87 dBV/m</b>	Grid 5 <b>M4</b> <b>38.4 dBV/m</b>	Grid 6 <b>M4</b> <b>37.9 dBV/m</b>
Grid 7 <b>M4</b> <b>38.24 dBV/m</b>	Grid 8 <b>M4</b> <b>38.69 dBV/m</b>	Grid 9 <b>M4</b> <b>38.12 dBV/m</b>



0 dB = 86.03 V/m = 38.69 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 69.30 V/m; Power Drift = -0.04 dB

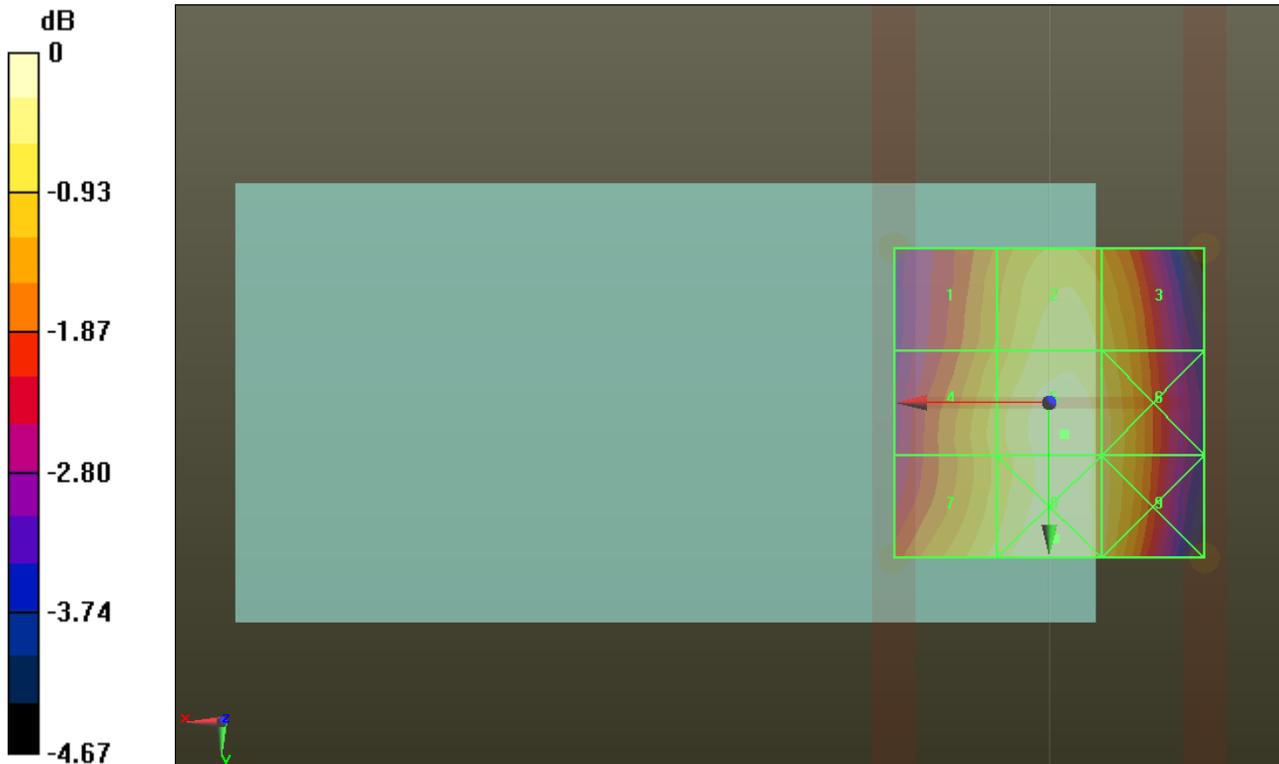
Applied MIF = 3.63 dB

RF audio interference level = 38.24 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.17 dBV/m</b>	Grid 2 <b>M4</b> <b>37.96 dBV/m</b>	Grid 3 <b>M4</b> <b>37.68 dBV/m</b>
Grid 4 <b>M4</b> <b>37.58 dBV/m</b>	Grid 5 <b>M4</b> <b>38.24 dBV/m</b>	Grid 6 <b>M4</b> <b>37.91 dBV/m</b>
Grid 7 <b>M4</b> <b>37.86 dBV/m</b>	Grid 8 <b>M4</b> <b>38.34 dBV/m</b>	Grid 9 <b>M4</b> <b>37.89 dBV/m</b>



0 dB = 82.58 V/m = 38.34 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 67.28 V/m; Power Drift = -0.12 dB

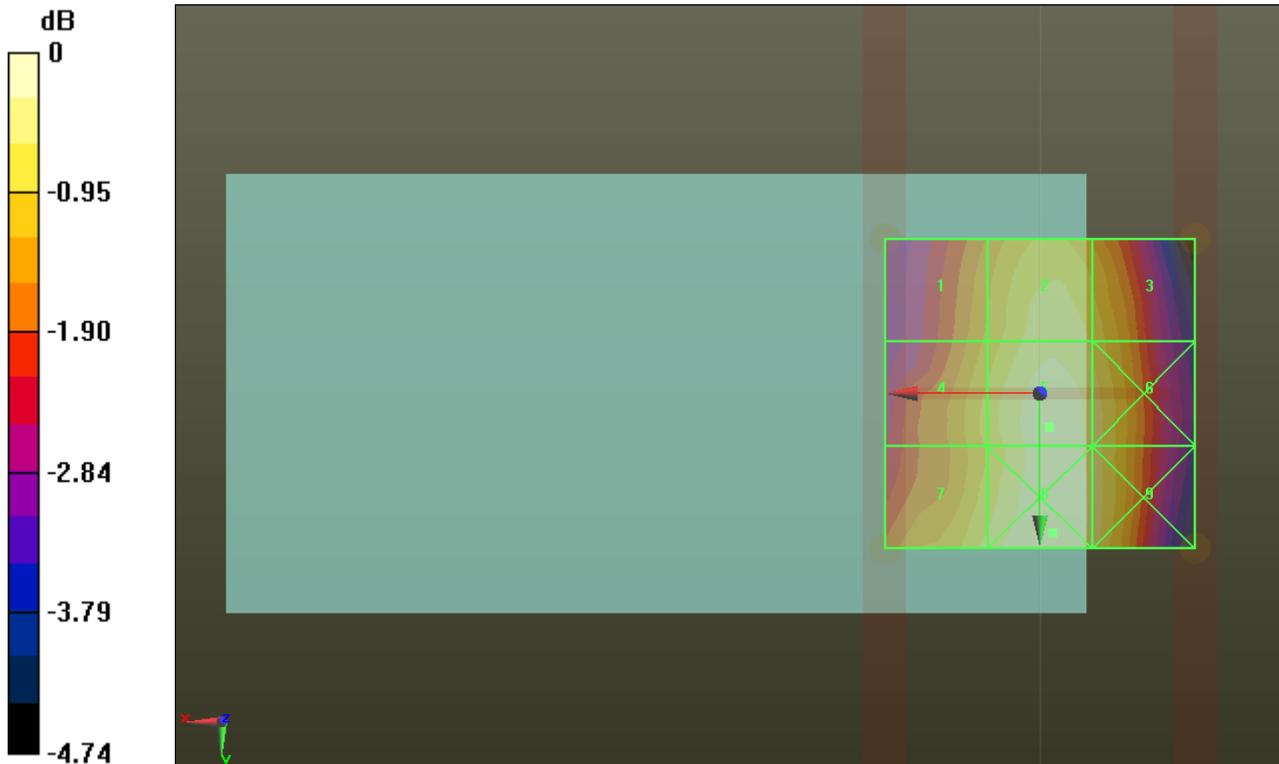
Applied MIF = 3.63 dB

RF audio interference level = 37.91 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>36.84 dBV/m</b>	Grid 2 <b>M4</b> <b>37.63 dBV/m</b>	Grid 3 <b>M4</b> <b>37.32 dBV/m</b>
Grid 4 <b>M4</b> <b>37.2 dBV/m</b>	Grid 5 <b>M4</b> <b>37.91 dBV/m</b>	Grid 6 <b>M4</b> <b>37.58 dBV/m</b>
Grid 7 <b>M4</b> <b>37.51 dBV/m</b>	Grid 8 <b>M4</b> <b>38.01 dBV/m</b>	Grid 9 <b>M4</b> <b>37.61 dBV/m</b>



0 dB = 79.50 V/m = 38.01 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 11.55 V/m; Power Drift = -0.08 dB

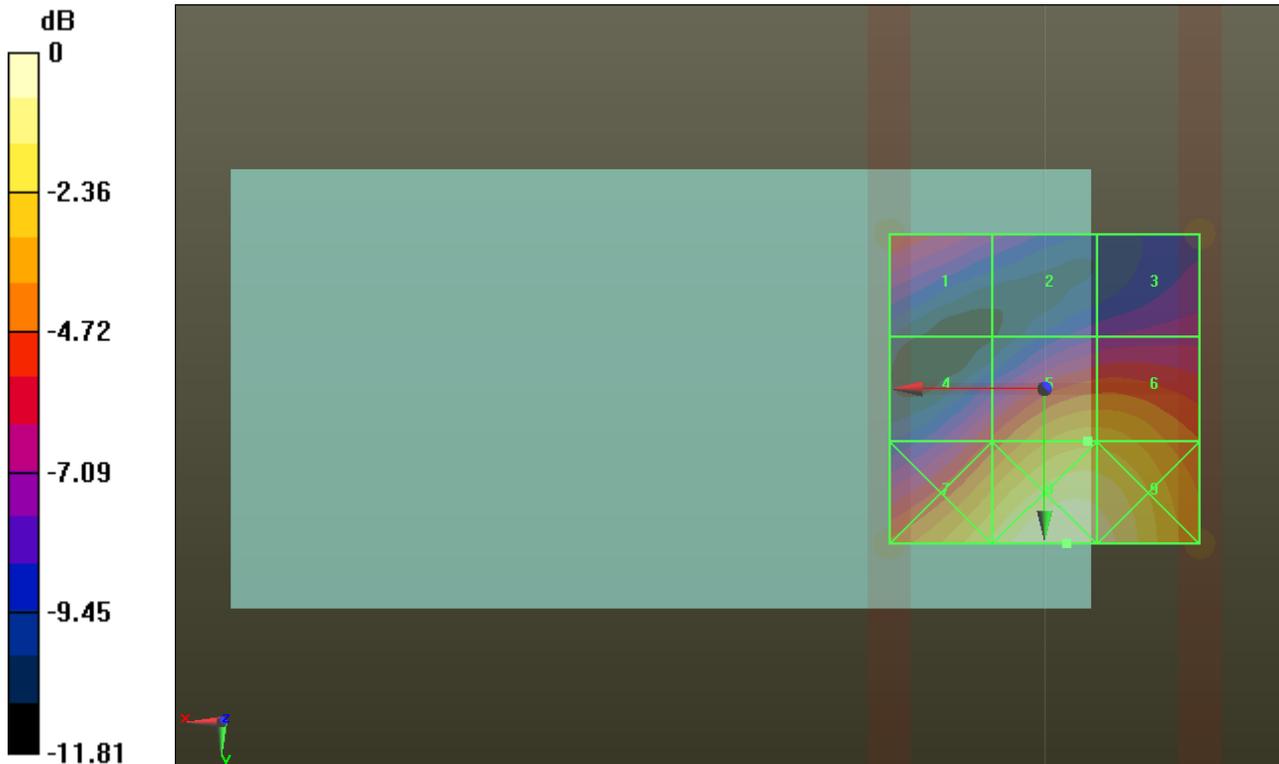
Applied MIF = 3.63 dB

RF audio interference level = 26.58 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>23.73 dBV/m</b>	Grid 2 <b>M4</b> <b>21.73 dBV/m</b>	Grid 3 <b>M4</b> <b>21.84 dBV/m</b>
Grid 4 <b>M4</b> <b>23.89 dBV/m</b>	Grid 5 <b>M4</b> <b>26.58 dBV/m</b>	Grid 6 <b>M4</b> <b>26.56 dBV/m</b>
Grid 7 <b>M4</b> <b>27.82 dBV/m</b>	Grid 8 <b>M4</b> <b>29.16 dBV/m</b>	Grid 9 <b>M4</b> <b>28.81 dBV/m</b>



0 dB = 28.70 V/m = 29.16 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 10.35 V/m; Power Drift = 0.00 dB

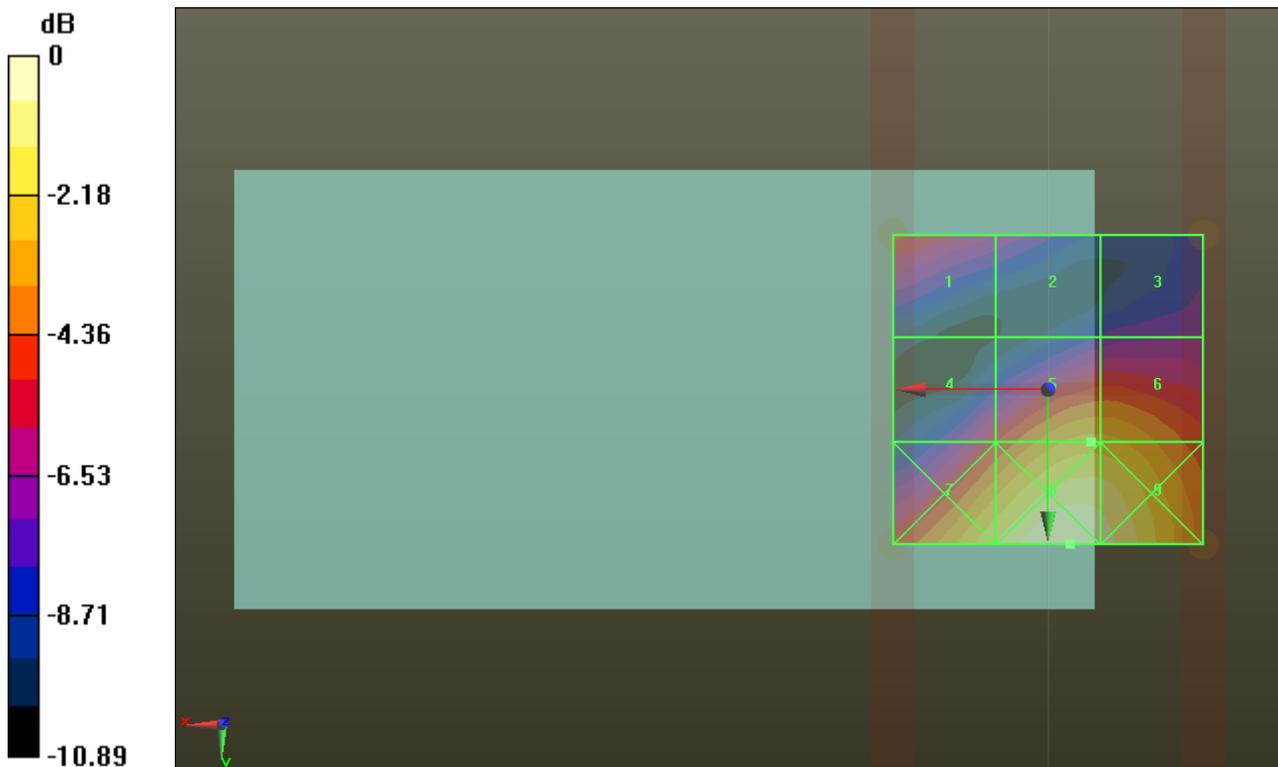
Applied MIF = 3.63 dB

RF audio interference level = 25.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>23.51 dBV/m</b>	Grid 2 <b>M4</b> <b>21.89 dBV/m</b>	Grid 3 <b>M4</b> <b>21.17 dBV/m</b>
Grid 4 <b>M4</b> <b>23.23 dBV/m</b>	Grid 5 <b>M4</b> <b>25.77 dBV/m</b>	Grid 6 <b>M4</b> <b>25.74 dBV/m</b>
Grid 7 <b>M4</b> <b>26.94 dBV/m</b>	Grid 8 <b>M4</b> <b>28.35 dBV/m</b>	Grid 9 <b>M4</b> <b>28 dBV/m</b>



0 dB = 26.14 V/m = 28.35 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 (6); SEMCAD X Version 14.6.9 (7117)

## 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 = 9.047 V/m; Power Drift = -0.12 dB

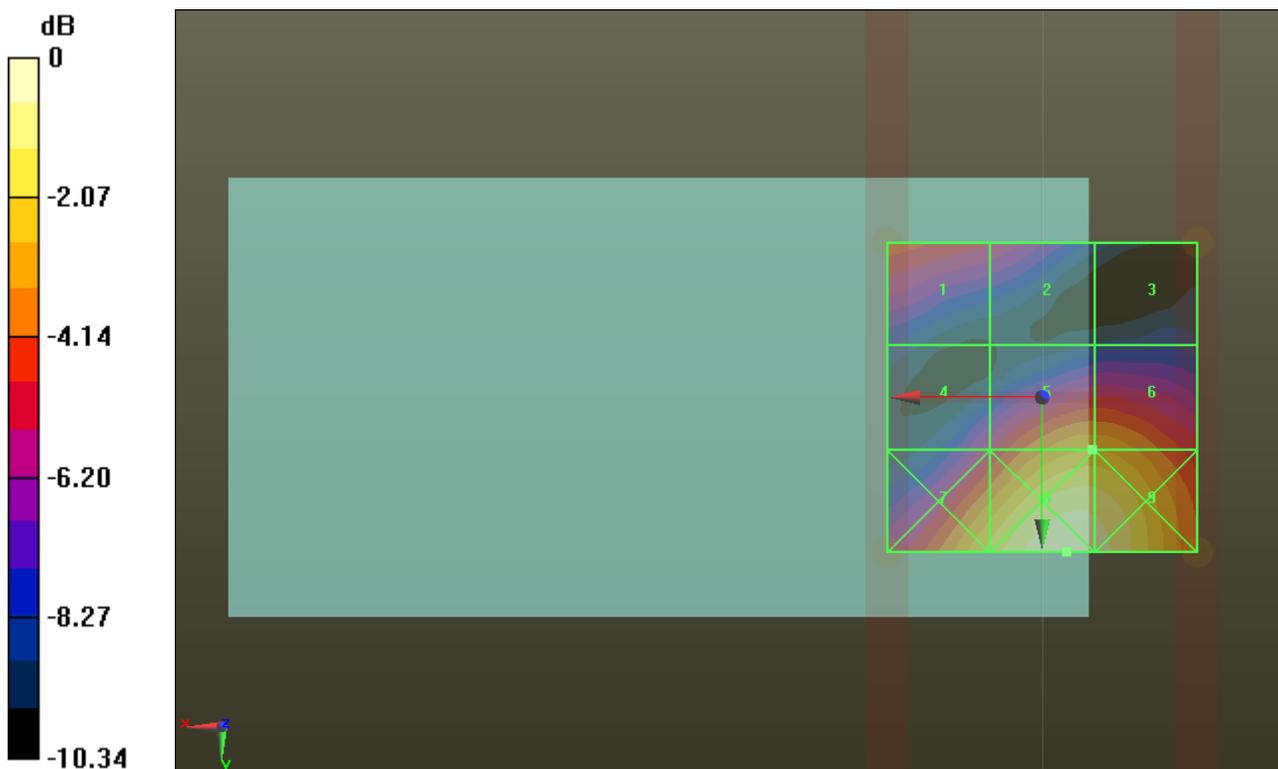
Applied MIF = 3.63 dB

RF audio interference level = 24.57 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>22.99 dBV/m</b>	Grid 2 <b>M4</b> <b>21.84 dBV/m</b>	Grid 3 <b>M4</b> <b>18.97 dBV/m</b>
Grid 4 <b>M4</b> <b>21.63 dBV/m</b>	Grid 5 <b>M4</b> <b>24.57 dBV/m</b>	Grid 6 <b>M4</b> <b>24.56 dBV/m</b>
Grid 7 <b>M4</b> <b>25.51 dBV/m</b>	Grid 8 <b>M4</b> <b>27.29 dBV/m</b>	Grid 9 <b>M4</b> <b>26.96 dBV/m</b>



0 dB = 23.14 V/m = 27.29 dBV/m