

### HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 73.07 V/m; Power Drift = 0.05 dB

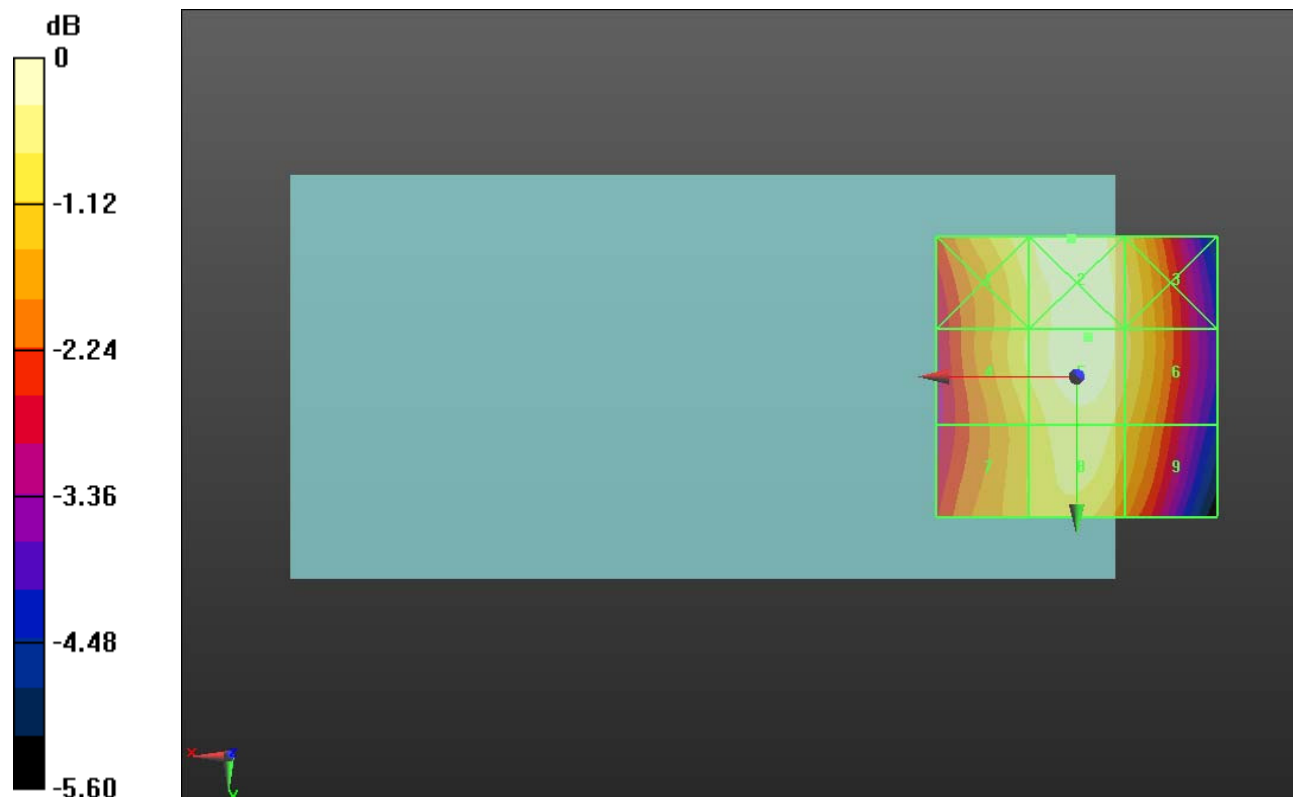
Applied MIF = 3.63 dB

RF audio interference level = 38.70 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>38.41 dBV/m</b>	<b>Grid 2 M4</b> <b>38.82 dBV/m</b>	<b>Grid 3 M4</b> <b>38.24 dBV/m</b>
<b>Grid 4 M4</b> <b>38.17 dBV/m</b>	<b>Grid 5 M4</b> <b>38.7 dBV/m</b>	<b>Grid 6 M4</b> <b>38.24 dBV/m</b>
<b>Grid 7 M4</b> <b>37.75 dBV/m</b>	<b>Grid 8 M4</b> <b>38.36 dBV/m</b>	<b>Grid 9 M4</b> <b>37.83 dBV/m</b>



0 dB = 87.31 V/m = 38.82 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: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 75.71 V/m; Power Drift = -0.01 dB

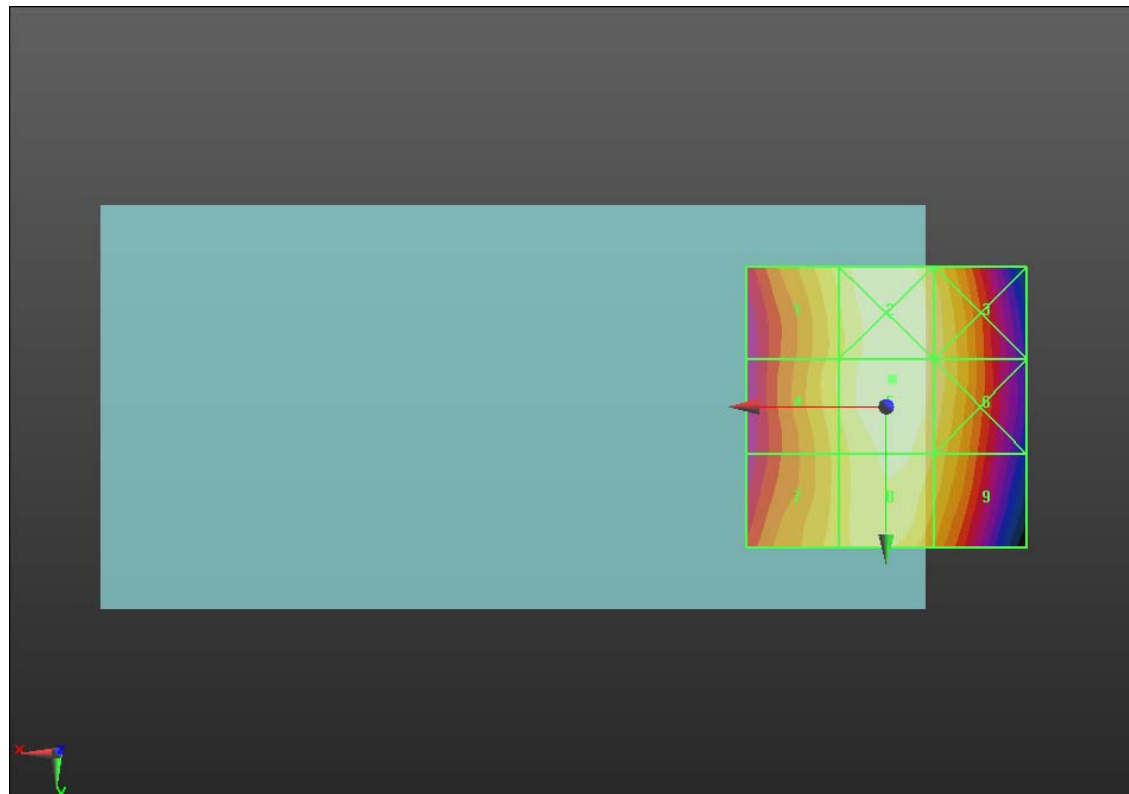
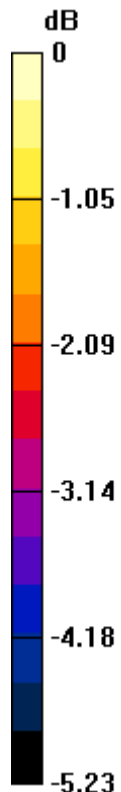
Applied MIF = 3.63 dB

RF audio interference level = 38.98 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>38.41 dBV/m</b>	Grid 2 <b>M4</b> <b>38.95 dBV/m</b>	Grid 3 <b>M4</b> <b>38.54 dBV/m</b>
Grid 4 <b>M4</b> <b>38.35 dBV/m</b>	Grid 5 <b>M4</b> <b>38.98 dBV/m</b>	Grid 6 <b>M4</b> <b>38.56 dBV/m</b>
Grid 7 <b>M4</b> <b>38.14 dBV/m</b>	Grid 8 <b>M4</b> <b>38.69 dBV/m</b>	Grid 9 <b>M4</b> <b>38.25 dBV/m</b>



0 dB = 88.96 V/m = 38.98 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: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 74.24 V/m; Power Drift = 0.05 dB

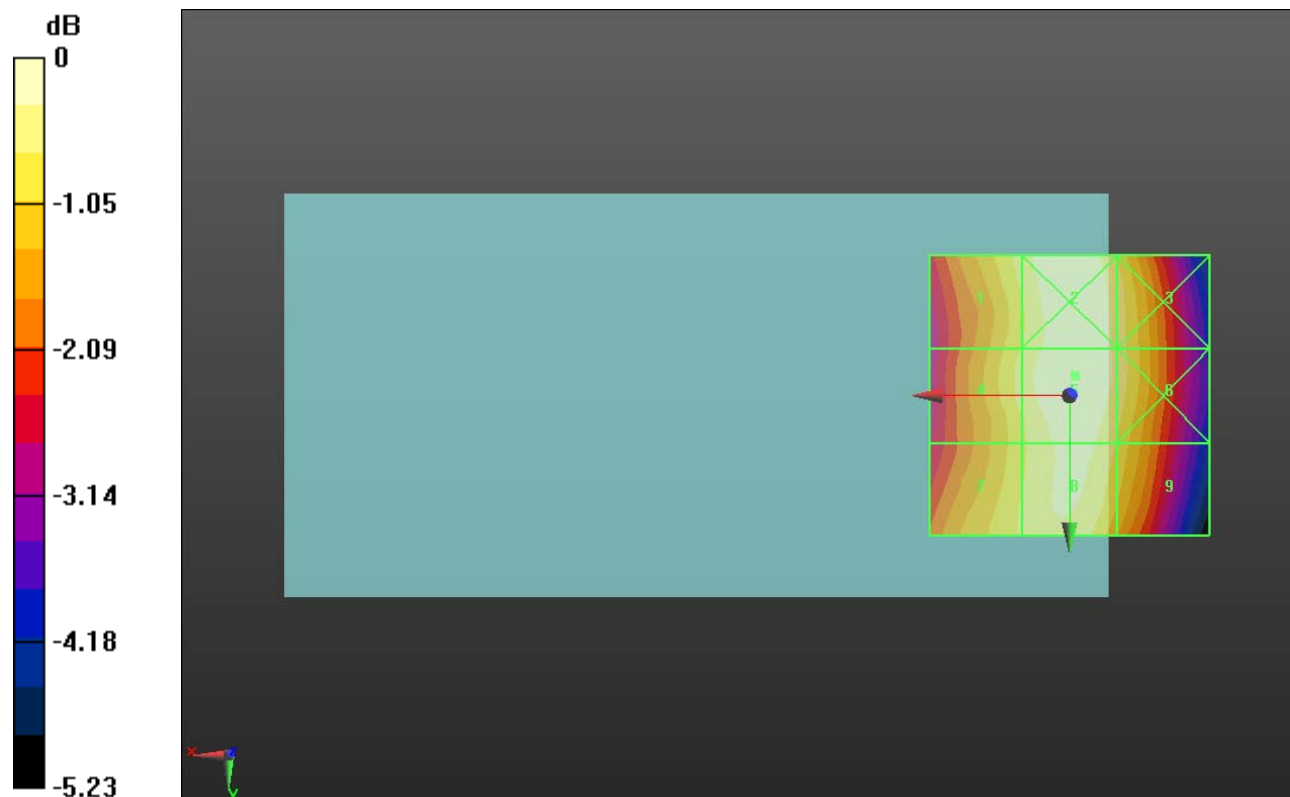
Applied MIF = 3.63 dB

RF audio interference level = 38.79 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>38.27 dBV/m</b>	Grid 2 <b>M4</b> <b>38.76 dBV/m</b>	Grid 3 <b>M4</b> <b>38.32 dBV/m</b>
Grid 4 <b>M4</b> <b>38.24 dBV/m</b>	Grid 5 <b>M4</b> <b>38.79 dBV/m</b>	Grid 6 <b>M4</b> <b>38.35 dBV/m</b>
Grid 7 <b>M4</b> <b>38.15 dBV/m</b>	Grid 8 <b>M4</b> <b>38.53 dBV/m</b>	Grid 9 <b>M4</b> <b>38.05 dBV/m</b>



0 dB = 86.99 V/m = 38.79 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: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 18.85 V/m; Power Drift = 0.06 dB

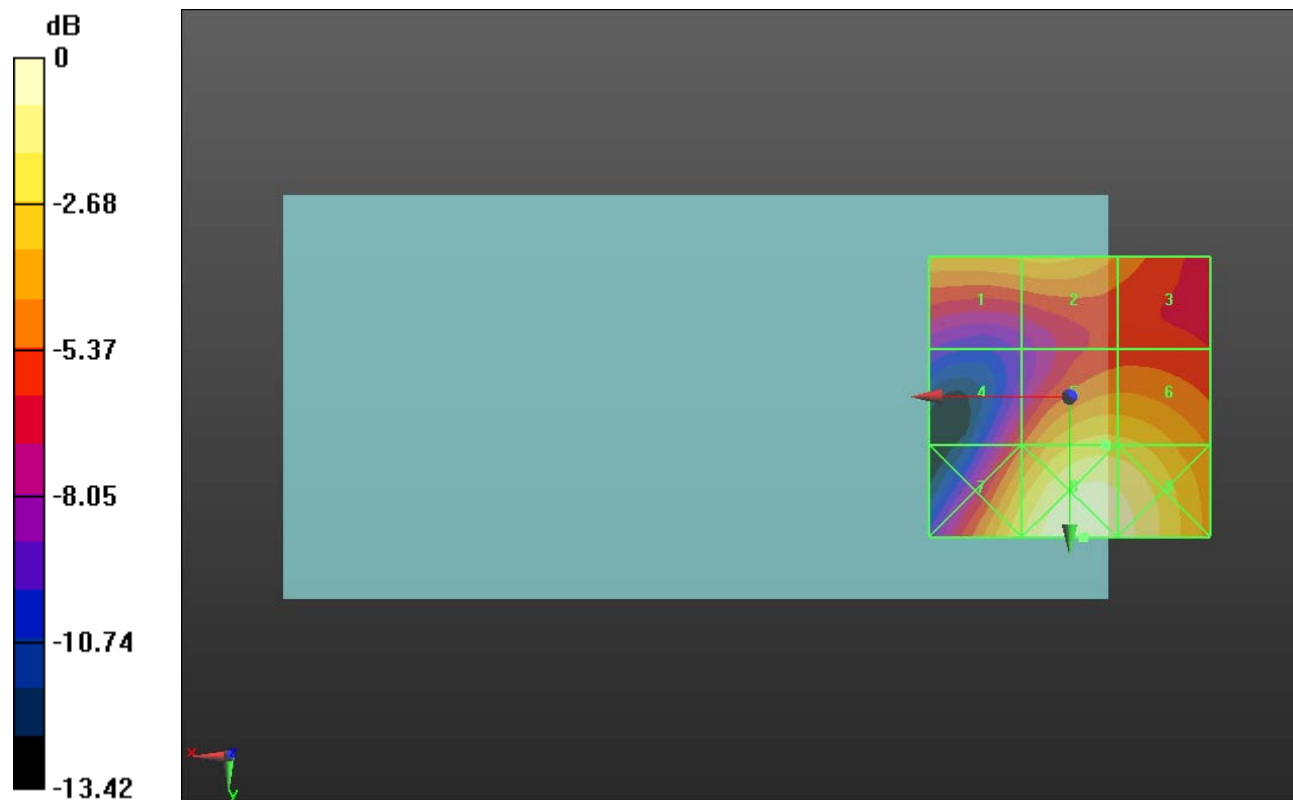
Applied MIF = 3.63 dB

RF audio interference level = 29.73 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>28.6 dBV/m</b>	Grid 2 <b>M4</b> <b>28.76 dBV/m</b>	Grid 3 <b>M4</b> <b>27.46 dBV/m</b>
Grid 4 <b>M4</b> <b>26.51 dBV/m</b>	Grid 5 <b>M4</b> <b>29.73 dBV/m</b>	Grid 6 <b>M4</b> <b>29.67 dBV/m</b>
Grid 7 <b>M3</b> <b>30.2 dBV/m</b>	Grid 8 <b>M3</b> <b>31.98 dBV/m</b>	Grid 9 <b>M3</b> <b>31.54 dBV/m</b>



0 dB = 39.71 V/m = 31.98 dBV/m

## HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 19.27 V/m; Power Drift = 0.05 dB

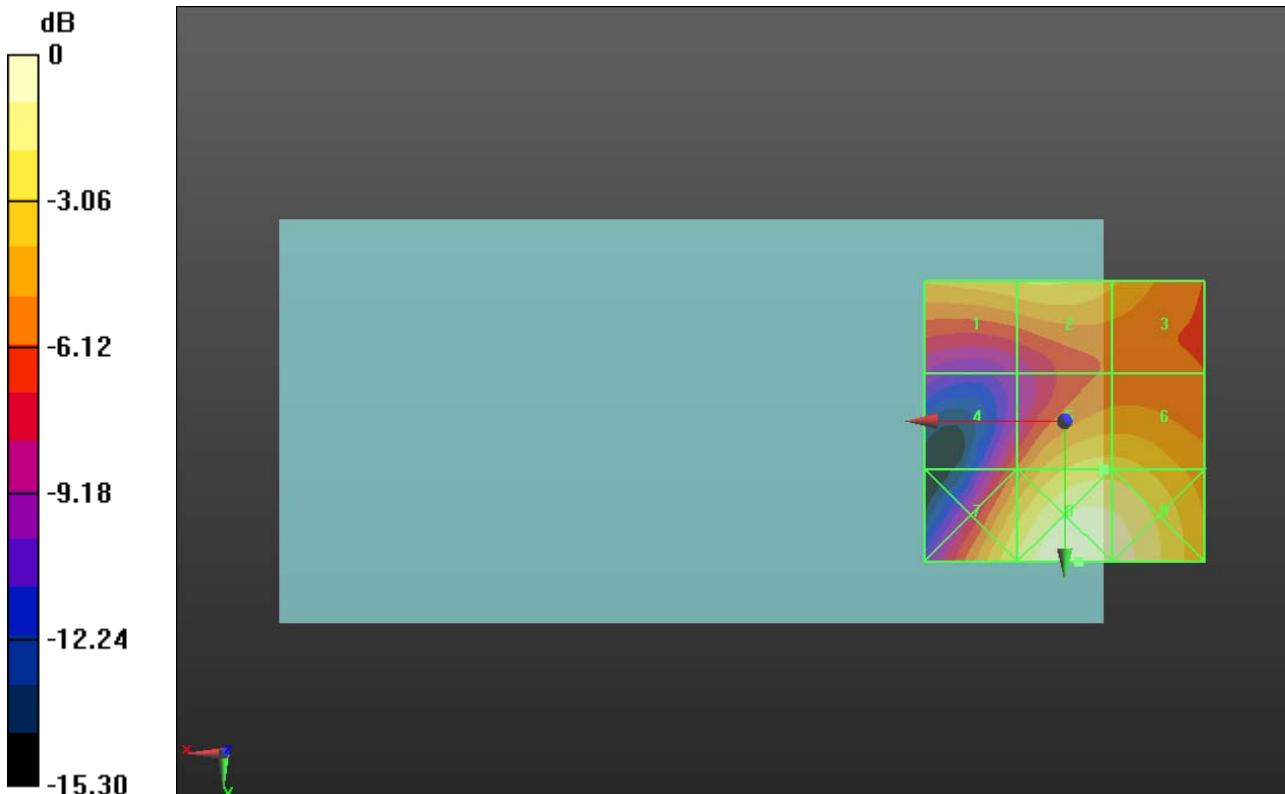
Applied MIF = 3.63 dB

RF audio interference level = 30.05 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.44 dBV/m</b>	Grid 2 <b>M4</b> <b>29.69 dBV/m</b>	Grid 3 <b>M4</b> <b>28.65 dBV/m</b>
Grid 4 <b>M4</b> <b>26.59 dBV/m</b>	Grid 5 <b>M3</b> <b>30.05 dBV/m</b>	Grid 6 <b>M3</b> <b>30.02 dBV/m</b>
Grid 7 <b>M3</b> <b>30.67 dBV/m</b>	Grid 8 <b>M3</b> <b>32.52 dBV/m</b>	Grid 9 <b>M3</b> <b>32.14 dBV/m</b>



0 dB = 42.29 V/m = 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: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 1/14/2015
- 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 = 21.79 V/m; Power Drift = 0.02 dB

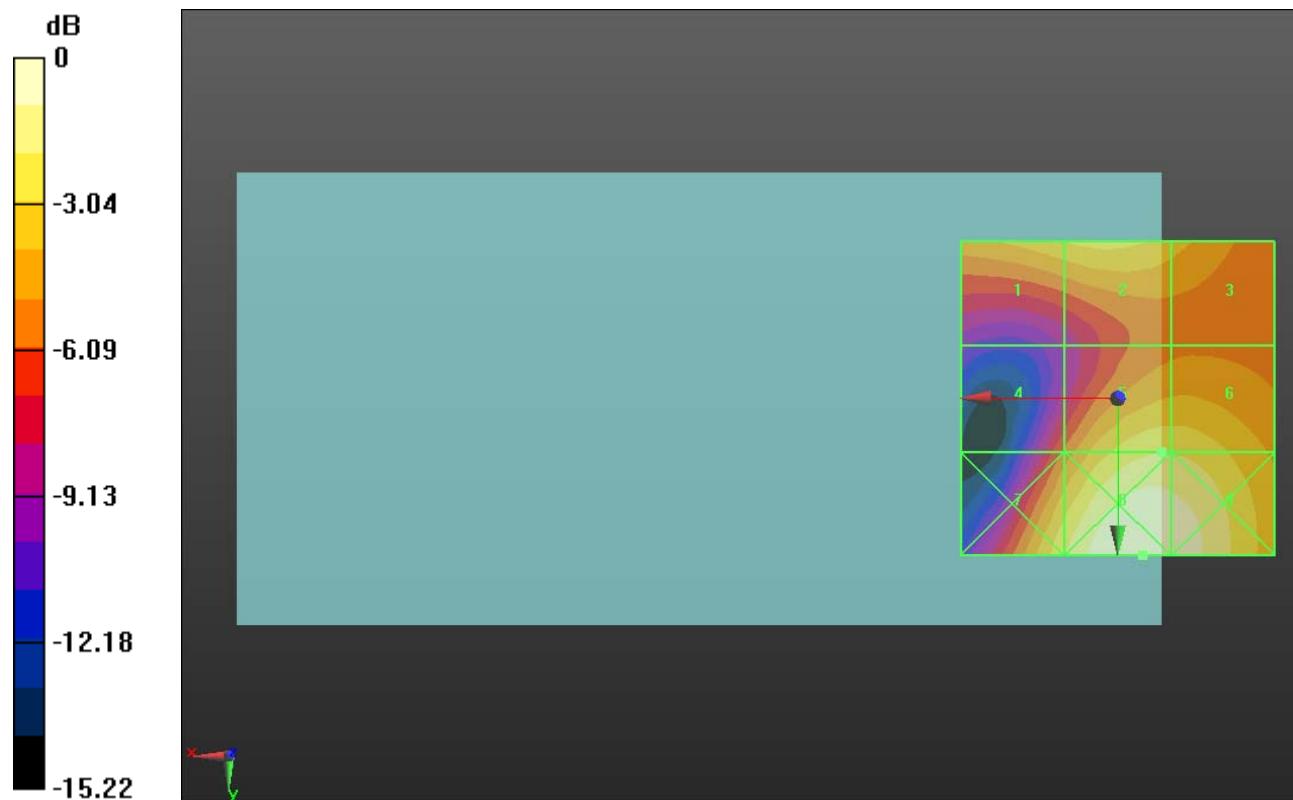
Applied MIF = 3.63 dB

RF audio interference level = 30.93 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.93 dBV/m</b>	Grid 2 <b>M3</b> <b>30.32 dBV/m</b>	Grid 3 <b>M4</b> <b>29.44 dBV/m</b>
Grid 4 <b>M4</b> <b>27.2 dBV/m</b>	Grid 5 <b>M3</b> <b>30.93 dBV/m</b>	Grid 6 <b>M3</b> <b>30.91 dBV/m</b>
Grid 7 <b>M3</b> <b>30.92 dBV/m</b>	Grid 8 <b>M3</b> <b>33.01 dBV/m</b>	Grid 9 <b>M3</b> <b>32.71 dBV/m</b>



0 dB = 44.73 V/m = 33.01 dBV/m