

## 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 85.51 V/m; Power Drift = 0.09 dB

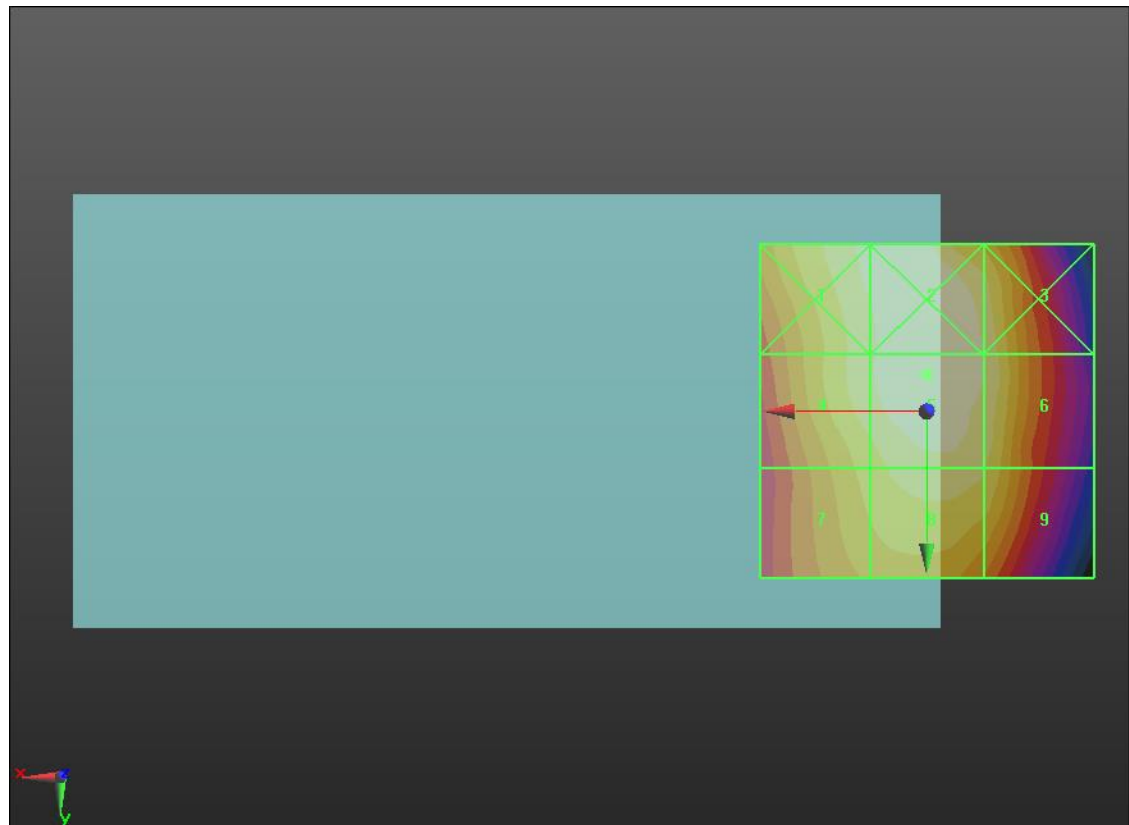
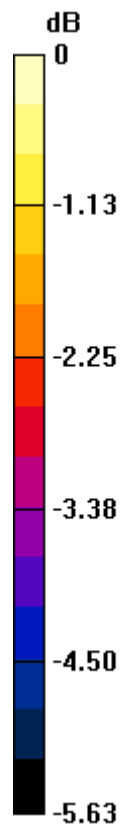
Applied MIF = 3.63 dB

RF audio interference level = 40.31 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M3</b> <b>40.04 dBV/m</b>	Grid 2 <b>M3</b> <b>40.29 dBV/m</b>	Grid 3 <b>M4</b> <b>39.92 dBV/m</b>
Grid 4 <b>M4</b> <b>39.89 dBV/m</b>	Grid 5 <b>M3</b> <b>40.31 dBV/m</b>	Grid 6 <b>M4</b> <b>39.96 dBV/m</b>
Grid 7 <b>M4</b> <b>39.38 dBV/m</b>	Grid 8 <b>M4</b> <b>39.8 dBV/m</b>	Grid 9 <b>M4</b> <b>39.6 dBV/m</b>



0 dB = 103.6 V/m = 40.31 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 85.46 V/m; Power Drift = -0.02 dB

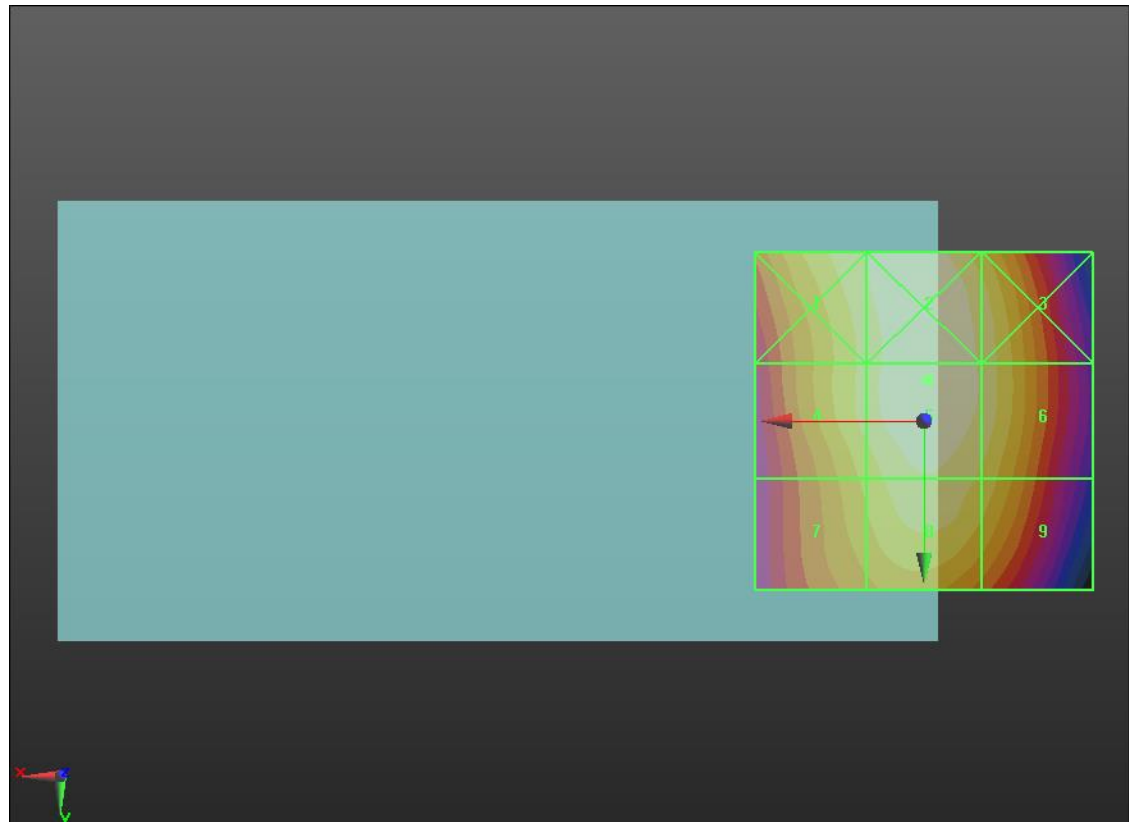
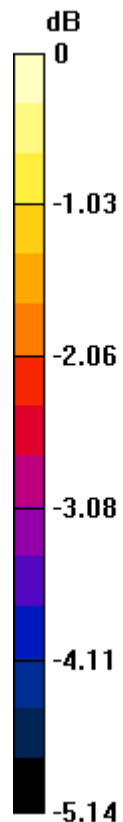
Applied MIF = 3.63 dB

RF audio interference level = 40.27 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>39.96 dBV/m</b>	Grid 2 <b>M3</b> <b>40.25 dBV/m</b>	Grid 3 <b>M4</b> <b>39.86 dBV/m</b>
Grid 4 <b>M4</b> <b>39.75 dBV/m</b>	Grid 5 <b>M3</b> <b>40.27 dBV/m</b>	Grid 6 <b>M4</b> <b>39.88 dBV/m</b>
Grid 7 <b>M4</b> <b>39.35 dBV/m</b>	Grid 8 <b>M4</b> <b>39.9 dBV/m</b>	Grid 9 <b>M4</b> <b>39.52 dBV/m</b>



0 dB = 103.1 V/m = 40.27 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 74.32 V/m; Power Drift = 0.04 dB

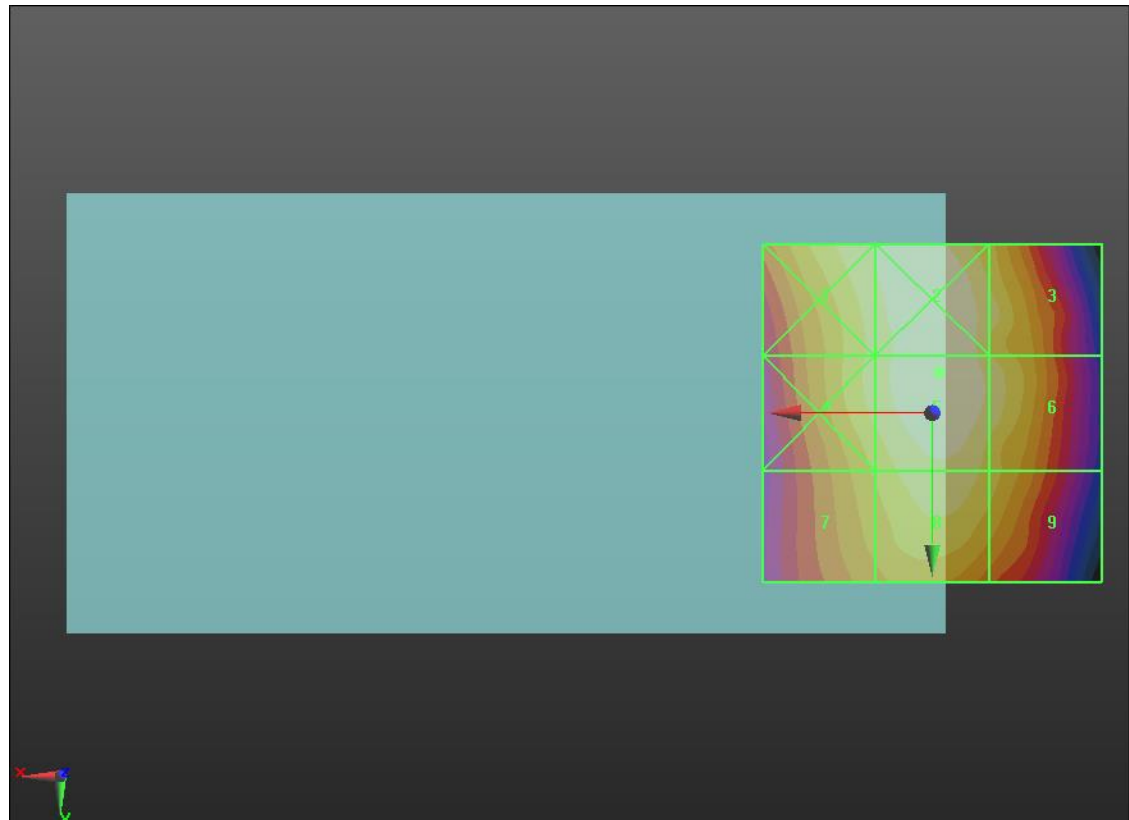
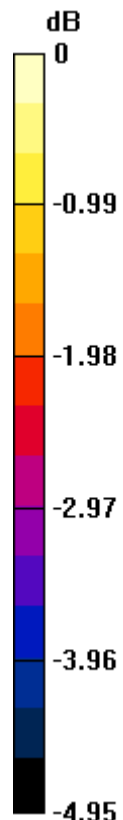
Applied MIF = 3.63 dB

RF audio interference level = 39.04 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>38.74 dBV/m</b>	<b>Grid 2 M4</b> <b>39.02 dBV/m</b>	<b>Grid 3 M4</b> <b>38.55 dBV/m</b>
<b>Grid 4 M4</b> <b>38.56 dBV/m</b>	<b>Grid 5 M4</b> <b>39.04 dBV/m</b>	<b>Grid 6 M4</b> <b>38.65 dBV/m</b>
<b>Grid 7 M4</b> <b>38.11 dBV/m</b>	<b>Grid 8 M4</b> <b>38.66 dBV/m</b>	<b>Grid 9 M4</b> <b>38.25 dBV/m</b>



0 dB = 89.59 V/m = 39.05 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 19.12 V/m; Power Drift = -0.22 dB

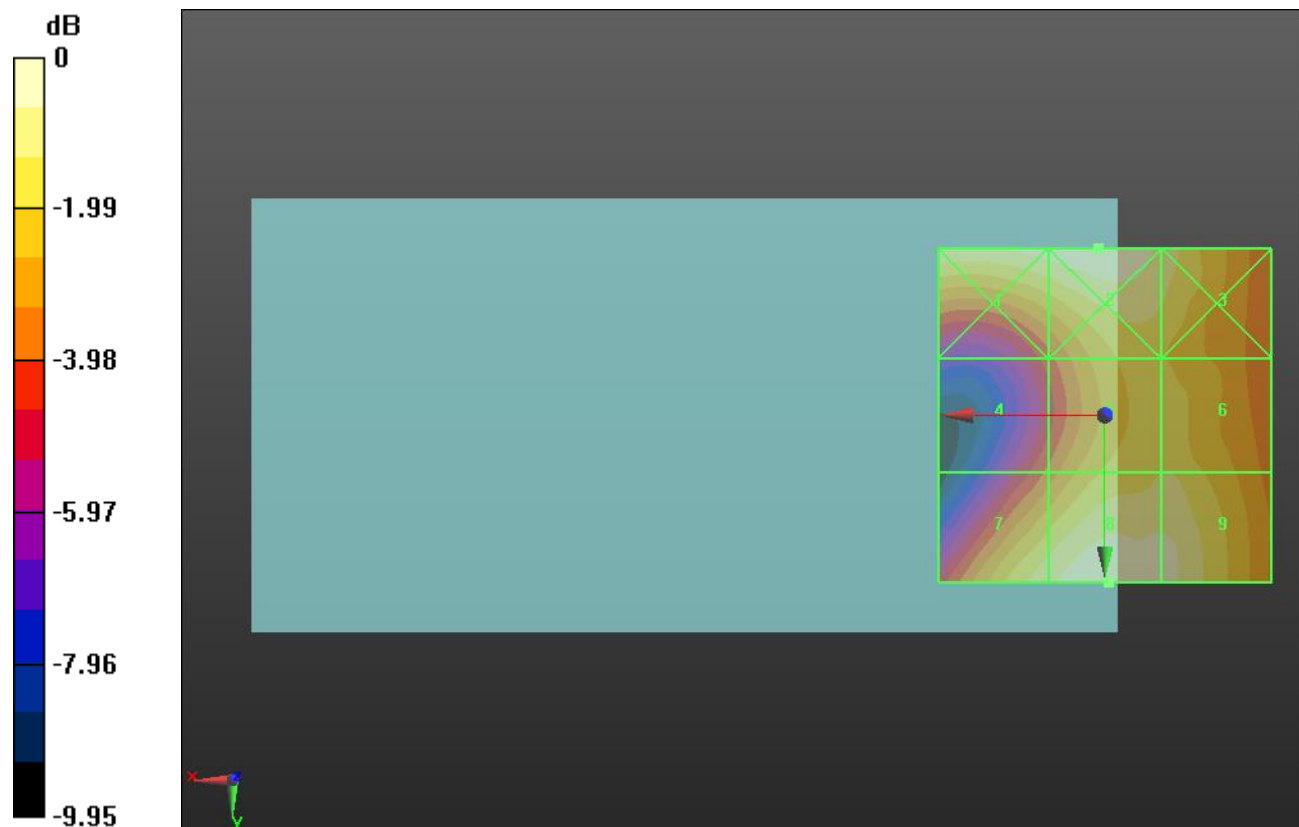
Applied MIF = 3.63 dB

RF audio interference level = 29.64 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>29.57 dBV/m</b>	<b>Grid 2 M4</b> <b>29.85 dBV/m</b>	<b>Grid 3 M4</b> <b>28.99 dBV/m</b>
<b>Grid 4 M4</b> <b>26.1 dBV/m</b>	<b>Grid 5 M4</b> <b>28.52 dBV/m</b>	<b>Grid 6 M4</b> <b>28.53 dBV/m</b>
<b>Grid 7 M4</b> <b>29.06 dBV/m</b>	<b>Grid 8 M4</b> <b>29.64 dBV/m</b>	<b>Grid 9 M4</b> <b>29.43 dBV/m</b>



0 dB = 31.08 V/m = 29.85 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 18.40 V/m; Power Drift = 0.14 dB

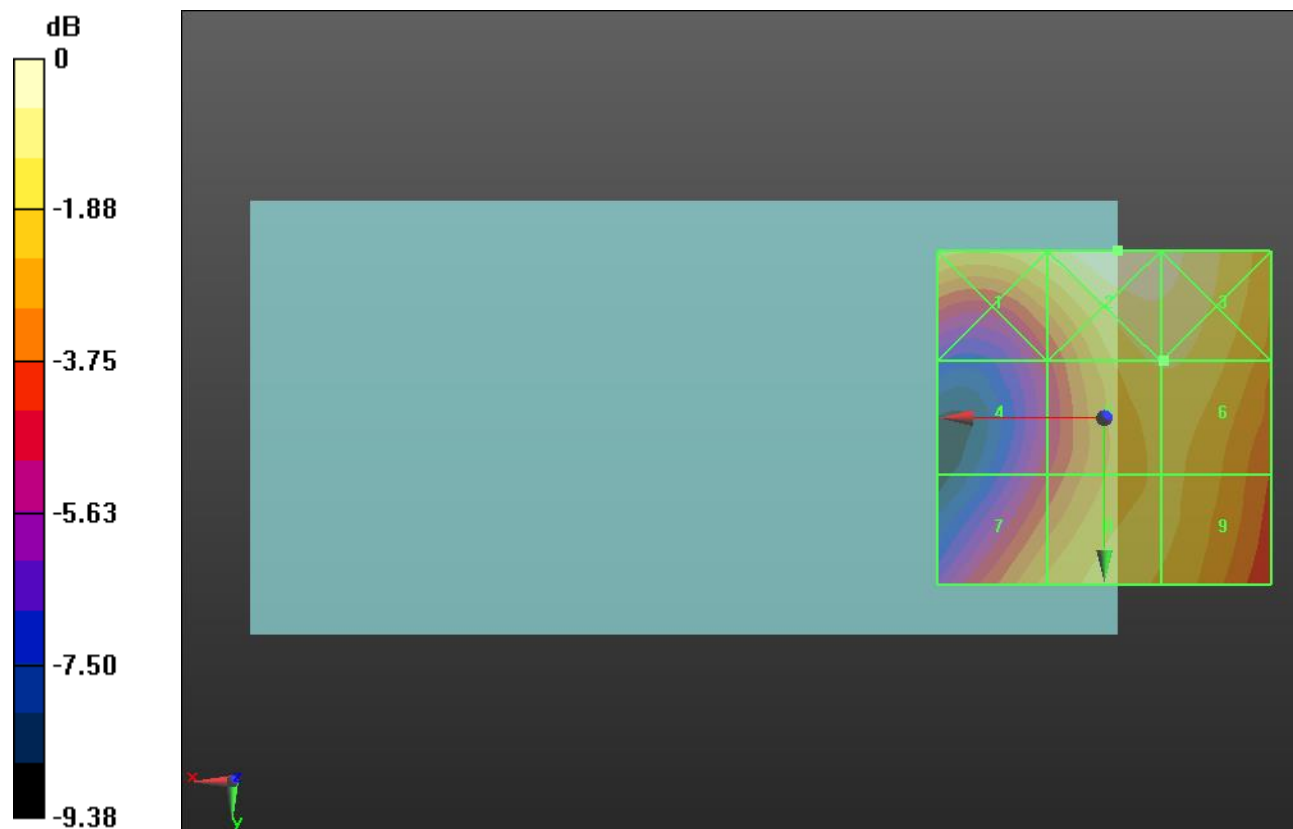
Applied MIF = 3.63 dB

RF audio interference level = 28.56 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>28.75 dBV/m</b>	Grid 2 <b>M4</b> <b>29.76 dBV/m</b>	Grid 3 <b>M4</b> <b>29.46 dBV/m</b>
Grid 4 <b>M4</b> <b>25.35 dBV/m</b>	Grid 5 <b>M4</b> <b>28.56 dBV/m</b>	Grid 6 <b>M4</b> <b>28.56 dBV/m</b>
Grid 7 <b>M4</b> <b>27.49 dBV/m</b>	Grid 8 <b>M4</b> <b>28.06 dBV/m</b>	Grid 9 <b>M4</b> <b>28.04 dBV/m</b>



0 dB = 30.74 V/m = 29.75 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- 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 = 19.08 V/m; Power Drift = 0.30 dB

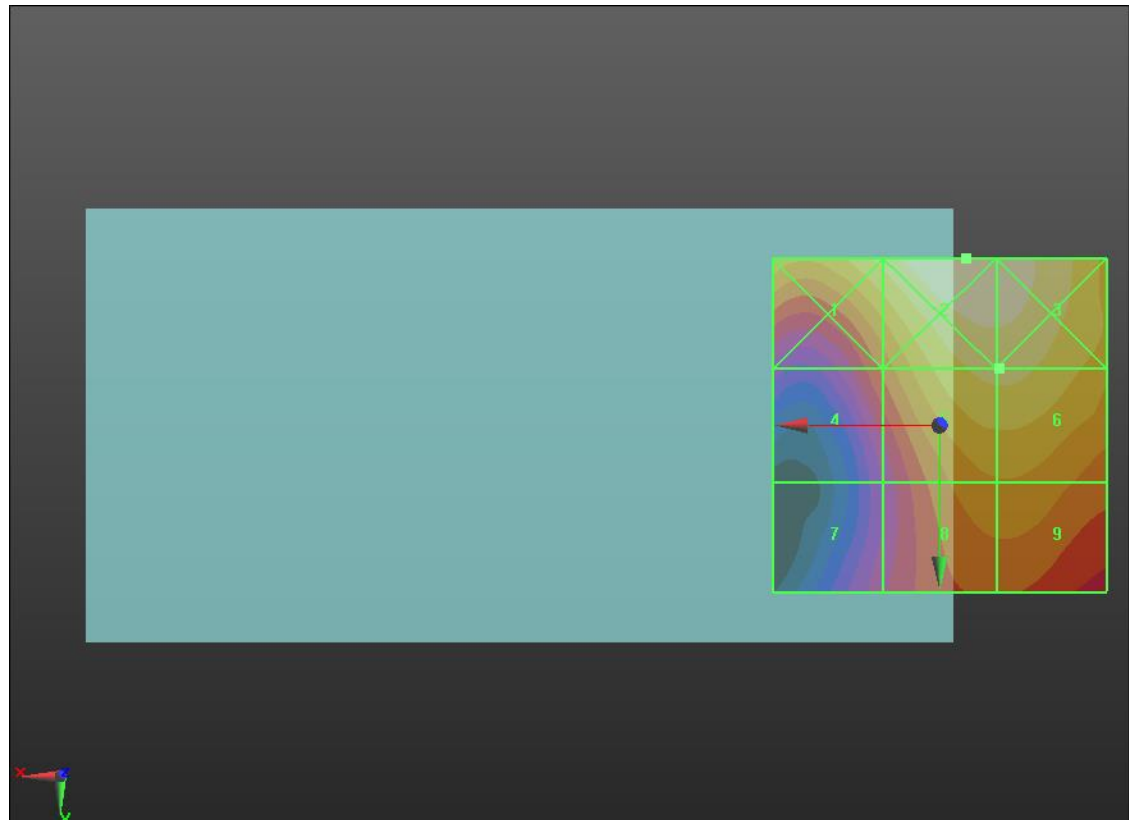
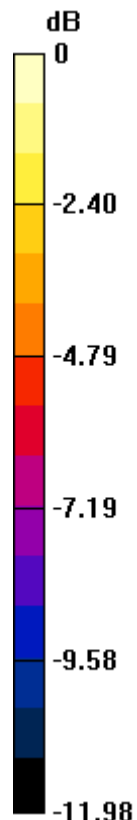
Applied MIF = 3.63 dB

RF audio interference level = 29.54 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>29.59 dBV/m</b>	<b>Grid 2 M3</b> <b>30.88 dBV/m</b>	<b>Grid 3 M3</b> <b>30.71 dBV/m</b>
<b>Grid 4 M4</b> <b>26.32 dBV/m</b>	<b>Grid 5 M4</b> <b>29.53 dBV/m</b>	<b>Grid 6 M4</b> <b>29.54 dBV/m</b>
<b>Grid 7 M4</b> <b>24.41 dBV/m</b>	<b>Grid 8 M4</b> <b>27.63 dBV/m</b>	<b>Grid 9 M4</b> <b>27.65 dBV/m</b>



0 dB = 35.01 V/m = 30.88 dBV/m