

## HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 82.90 V/m; Power Drift = -0.22 dB

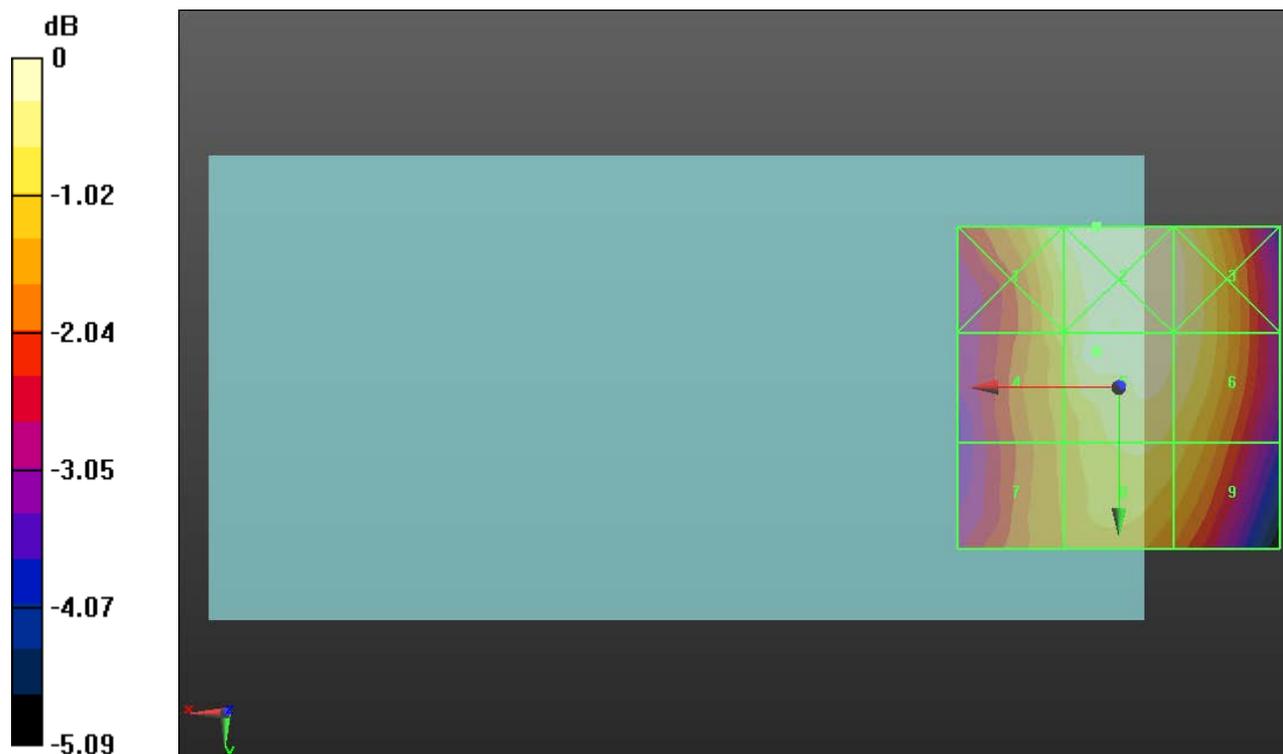
Applied MIF = 3.63 dB

RF audio interference level = 39.87 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>39.82 dBV/m</b>	Grid 2 <b>M3</b> <b>40.03 dBV/m</b>	Grid 3 <b>M4</b> <b>39.86 dBV/m</b>
Grid 4 <b>M4</b> <b>39.25 dBV/m</b>	Grid 5 <b>M4</b> <b>39.87 dBV/m</b>	Grid 6 <b>M4</b> <b>39.77 dBV/m</b>
Grid 7 <b>M4</b> <b>38.8 dBV/m</b>	Grid 8 <b>M4</b> <b>39.45 dBV/m</b>	Grid 9 <b>M4</b> <b>39.24 dBV/m</b>



0 dB = 100.4 V/m = 40.03 dBV/m

## HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 66.00 V/m; Power Drift = 0.12 dB

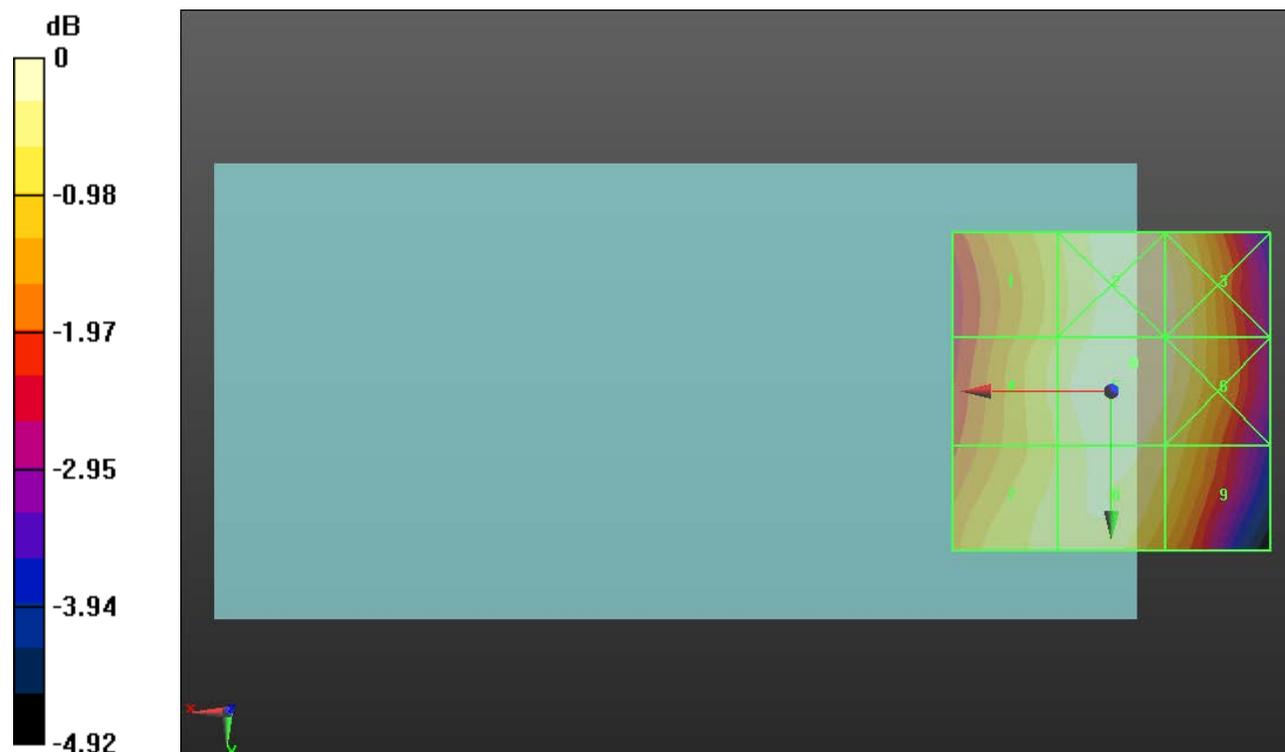
Applied MIF = 3.63 dB

RF audio interference level = 38.21 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.54 dBV/m</b>	Grid 2 <b>M4</b> <b>38.15 dBV/m</b>	Grid 3 <b>M4</b> <b>38.02 dBV/m</b>
Grid 4 <b>M4</b> <b>37.71 dBV/m</b>	Grid 5 <b>M4</b> <b>38.21 dBV/m</b>	Grid 6 <b>M4</b> <b>38.03 dBV/m</b>
Grid 7 <b>M4</b> <b>37.72 dBV/m</b>	Grid 8 <b>M4</b> <b>38 dBV/m</b>	Grid 9 <b>M4</b> <b>37.63 dBV/m</b>



0 dB = 81.41 V/m = 38.21 dBV/m

### HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 57.23 V/m; Power Drift = -0.04 dB

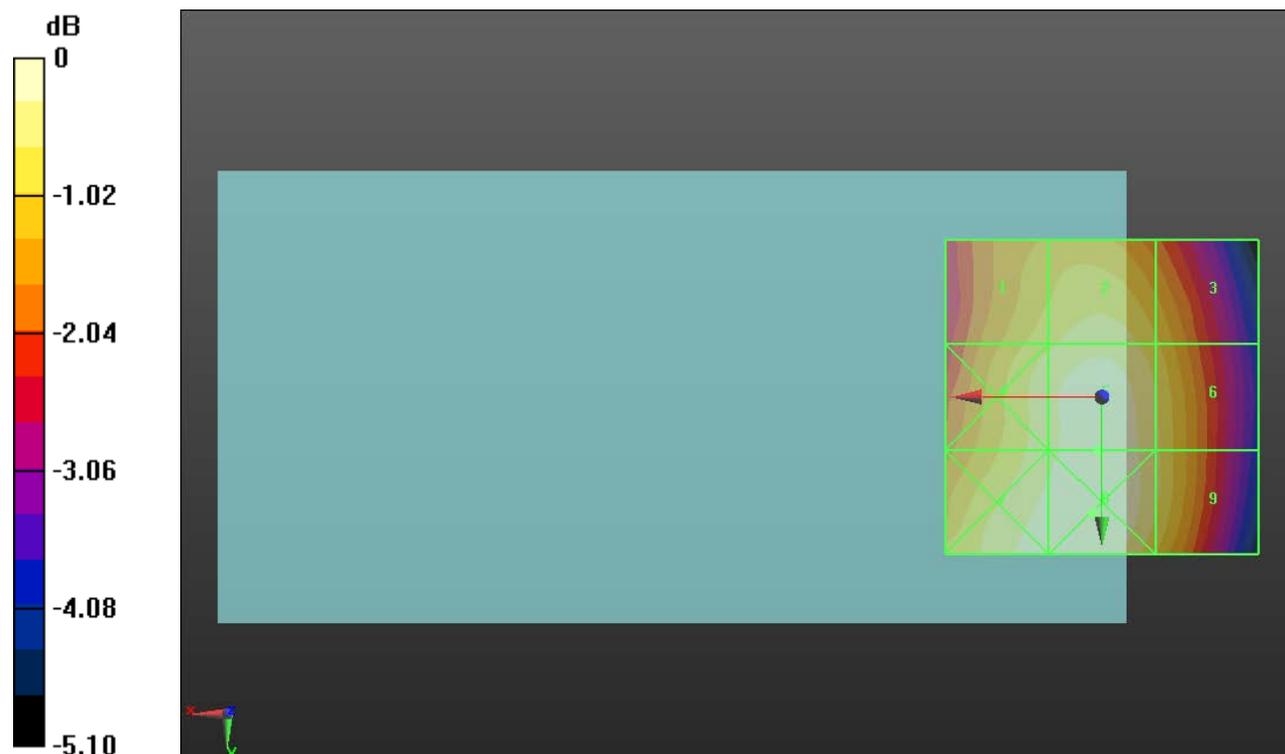
Applied MIF = 3.63 dB

RF audio interference level = 36.57 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>35.93 dBV/m</b>	Grid 2 <b>M4</b> <b>36.21 dBV/m</b>	Grid 3 <b>M4</b> <b>35.74 dBV/m</b>
Grid 4 <b>M4</b> <b>36.25 dBV/m</b>	Grid 5 <b>M4</b> <b>36.57 dBV/m</b>	Grid 6 <b>M4</b> <b>36.09 dBV/m</b>
Grid 7 <b>M4</b> <b>36.5 dBV/m</b>	Grid 8 <b>M4</b> <b>36.67 dBV/m</b>	Grid 9 <b>M4</b> <b>36.1 dBV/m</b>



0 dB = 68.19 V/m = 36.67 dBV/m

### HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 15.71 V/m; Power Drift = -0.72 dB

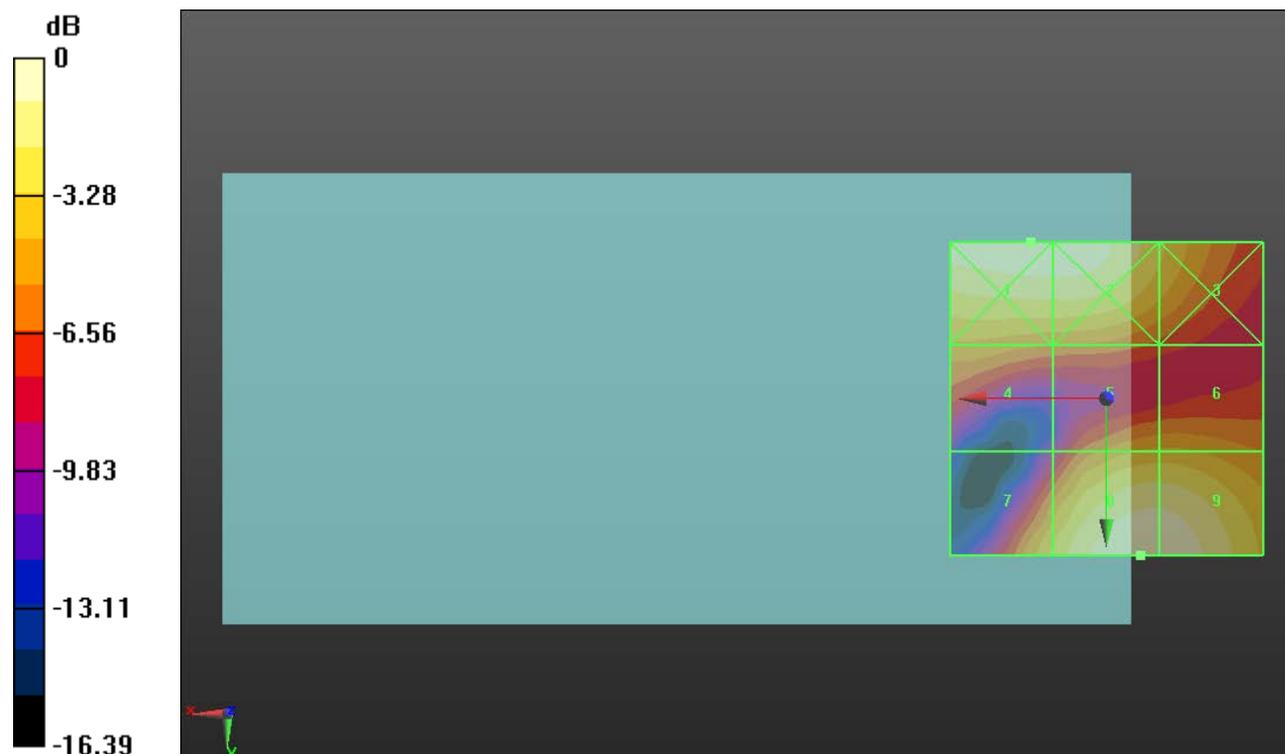
Applied MIF = 3.63 dB

RF audio interference level = 31.76 dBV/m

**Emission category: M3**

MIF scaled E-field

<b>Grid 1 M3</b> <b>31.8 dBV/m</b>	<b>Grid 2 M3</b> <b>31.73 dBV/m</b>	<b>Grid 3 M4</b> <b>28.82 dBV/m</b>
<b>Grid 4 M4</b> <b>27.27 dBV/m</b>	<b>Grid 5 M4</b> <b>27.75 dBV/m</b>	<b>Grid 6 M4</b> <b>27.77 dBV/m</b>
<b>Grid 7 M4</b> <b>28.87 dBV/m</b>	<b>Grid 8 M3</b> <b>31.76 dBV/m</b>	<b>Grid 9 M3</b> <b>31.62 dBV/m</b>



0 dB = 38.89 V/m = 31.80 dBV/m

### HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 18.80 V/m; Power Drift = -0.02 dB

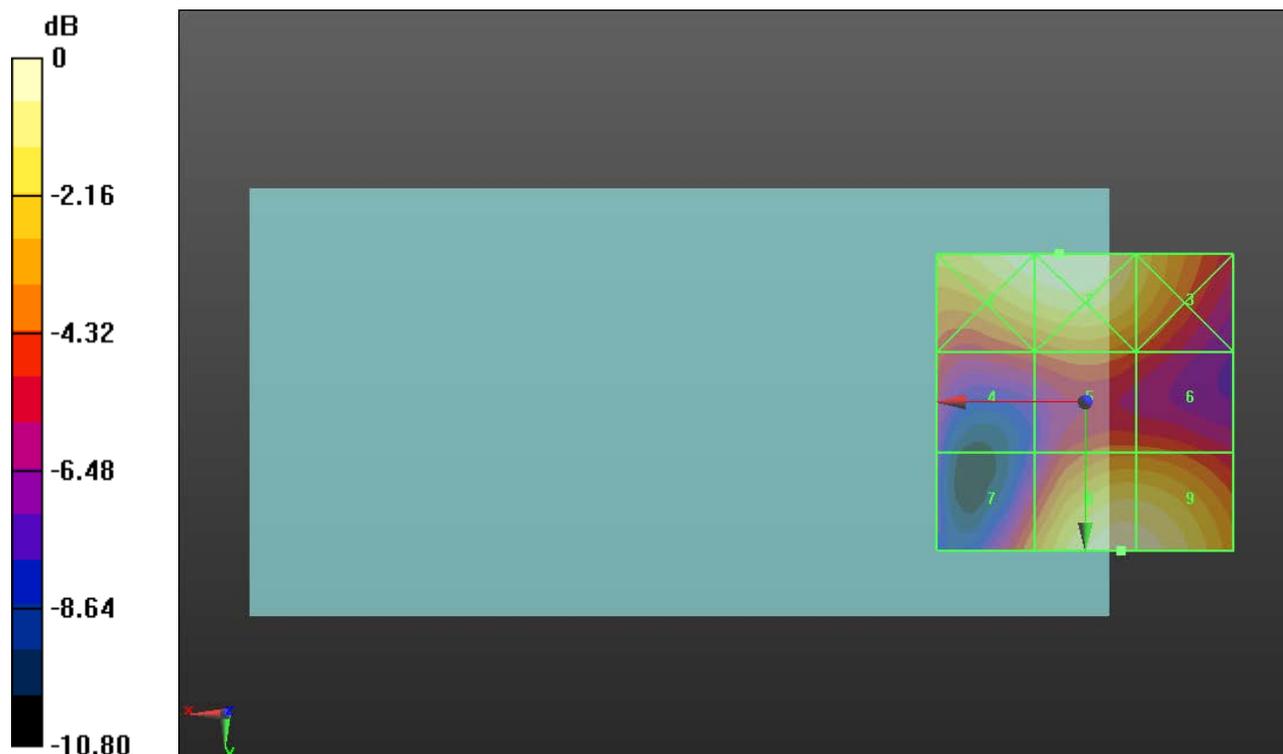
Applied MIF = 3.63 dB

RF audio interference level = 31.05 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M3</b> <b>31.11 dBV/m</b>	Grid 2 <b>M3</b> <b>31.24 dBV/m</b>	Grid 3 <b>M4</b> <b>29.7 dBV/m</b>
Grid 4 <b>M4</b> <b>26.96 dBV/m</b>	Grid 5 <b>M4</b> <b>27.75 dBV/m</b>	Grid 6 <b>M4</b> <b>27.4 dBV/m</b>
Grid 7 <b>M4</b> <b>27.97 dBV/m</b>	Grid 8 <b>M3</b> <b>31.05 dBV/m</b>	Grid 9 <b>M3</b> <b>30.96 dBV/m</b>



0 dB = 36.48 V/m = 31.24 dBV/m

## HAC-RF Emission

Communication System: UID 10021 - DAB, 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; 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 = 18.81 V/m; Power Drift = -0.10 dB

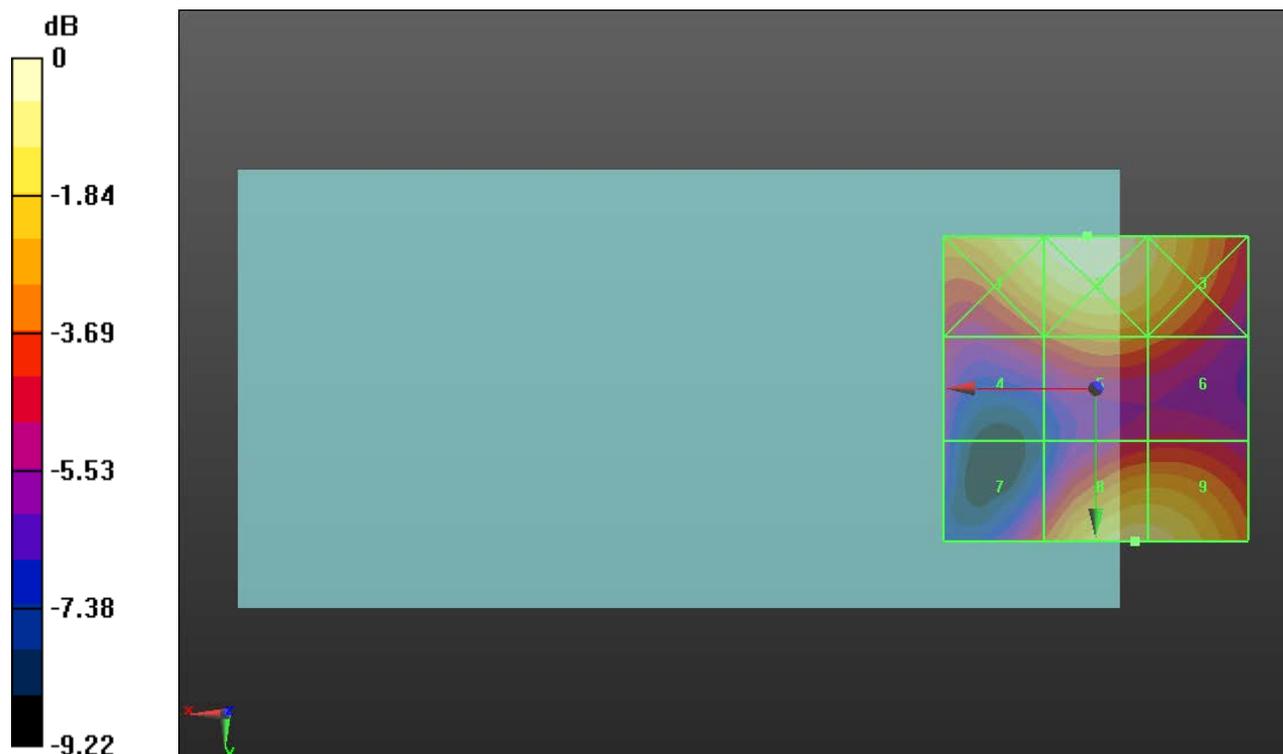
Applied MIF = 3.63 dB

RF audio interference level = 30.47 dBV/m

**Emission category: M3**

MIF scaled E-field

<b>Grid 1 M3</b> <b>30.9 dBV/m</b>	<b>Grid 2 M3</b> <b>31.32 dBV/m</b>	<b>Grid 3 M3</b> <b>30.41 dBV/m</b>
<b>Grid 4 M4</b> <b>27.52 dBV/m</b>	<b>Grid 5 M4</b> <b>28.54 dBV/m</b>	<b>Grid 6 M4</b> <b>28.13 dBV/m</b>
<b>Grid 7 M4</b> <b>27.68 dBV/m</b>	<b>Grid 8 M3</b> <b>30.47 dBV/m</b>	<b>Grid 9 M3</b> <b>30.43 dBV/m</b>



0 dB = 36.82 V/m = 31.32 dBV/m