

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

## 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 = 60.01 V/m; Power Drift = 0.32 dB

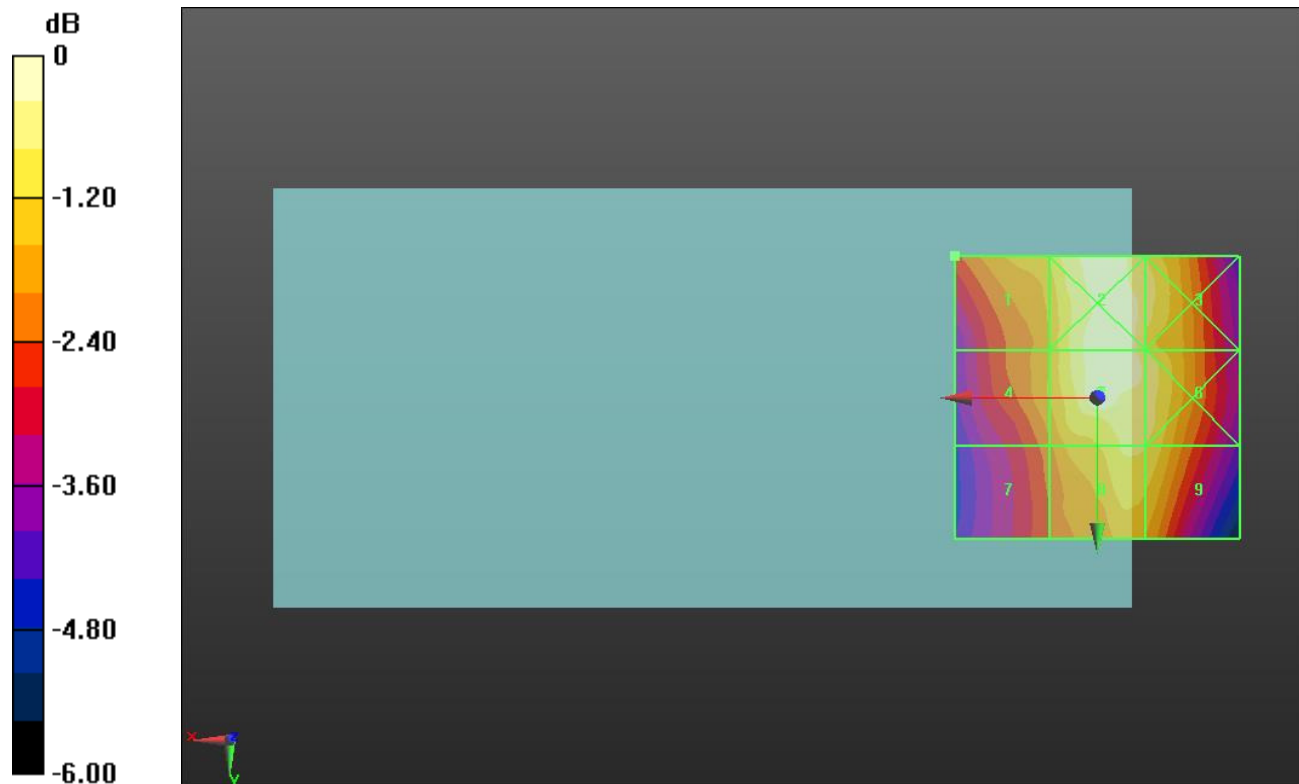
Applied MIF = 3.63 dB

RF audio interference level = 37.54 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>36.38 dBV/m</b>	Grid 2 <b>M4</b> <b>37.54 dBV/m</b>	Grid 3 <b>M4</b> <b>36.97 dBV/m</b>
Grid 4 <b>M4</b> <b>36.01 dBV/m</b>	Grid 5 <b>M4</b> <b>37.54 dBV/m</b>	Grid 6 <b>M4</b> <b>37.08 dBV/m</b>
Grid 7 <b>M4</b> <b>35.45 dBV/m</b>	Grid 8 <b>M4</b> <b>36.82 dBV/m</b>	Grid 9 <b>M4</b> <b>36.75 dBV/m</b>



0 dB = 75.37 V/m = 37.54 dBV/m

### HAC-RF Emission

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

### 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 = 58.09 V/m; Power Drift = -0.11 dB

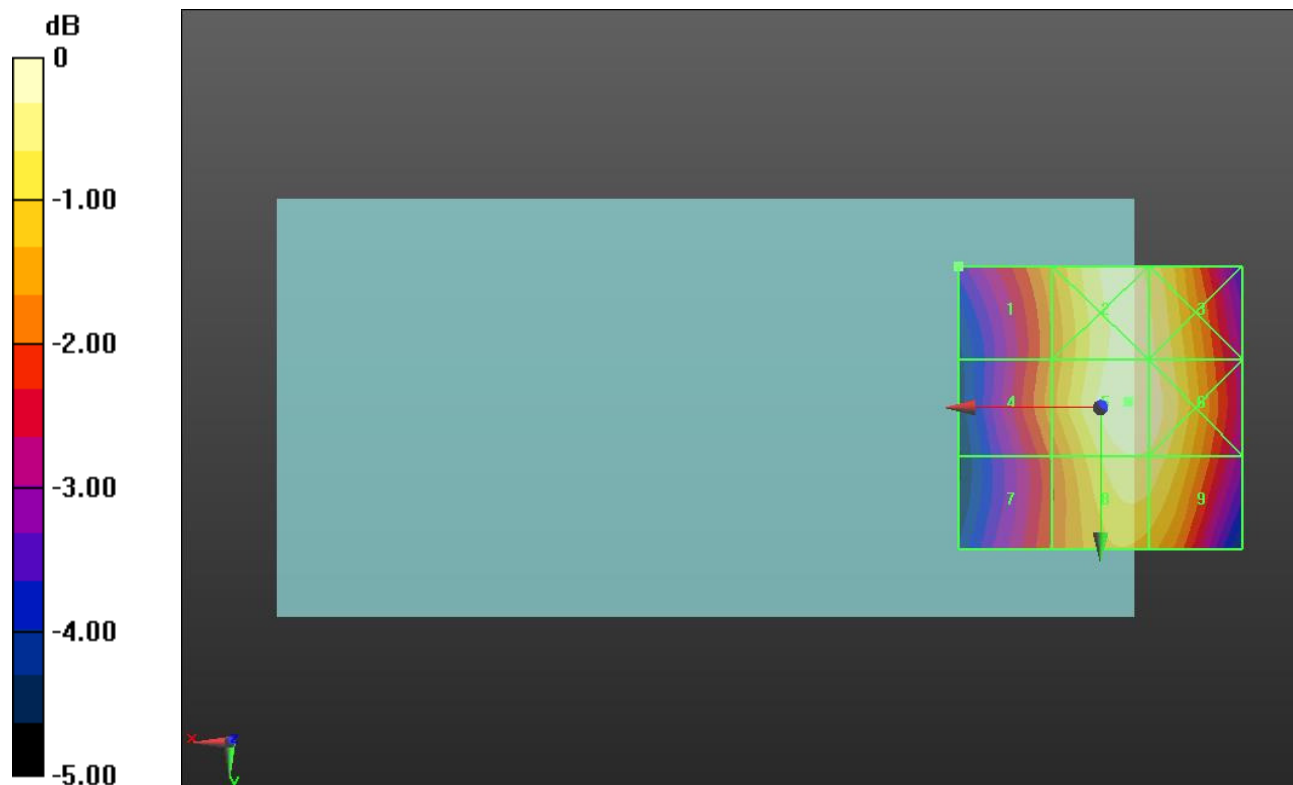
Applied MIF = 3.63 dB

RF audio interference level = 36.51 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>35.19 dBV/m</b>	Grid 2 <b>M4</b> <b>36.37 dBV/m</b>	Grid 3 <b>M4</b> <b>36.28 dBV/m</b>
Grid 4 <b>M4</b> <b>35.07 dBV/m</b>	Grid 5 <b>M4</b> <b>36.51 dBV/m</b>	Grid 6 <b>M4</b> <b>36.4 dBV/m</b>
Grid 7 <b>M4</b> <b>34.61 dBV/m</b>	Grid 8 <b>M4</b> <b>36.17 dBV/m</b>	Grid 9 <b>M4</b> <b>36.12 dBV/m</b>



0 dB = 66.89 V/m = 36.51 dBV/m

## HAC-RF Emission

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

### 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 = 56.07 V/m; Power Drift = -0.07 dB

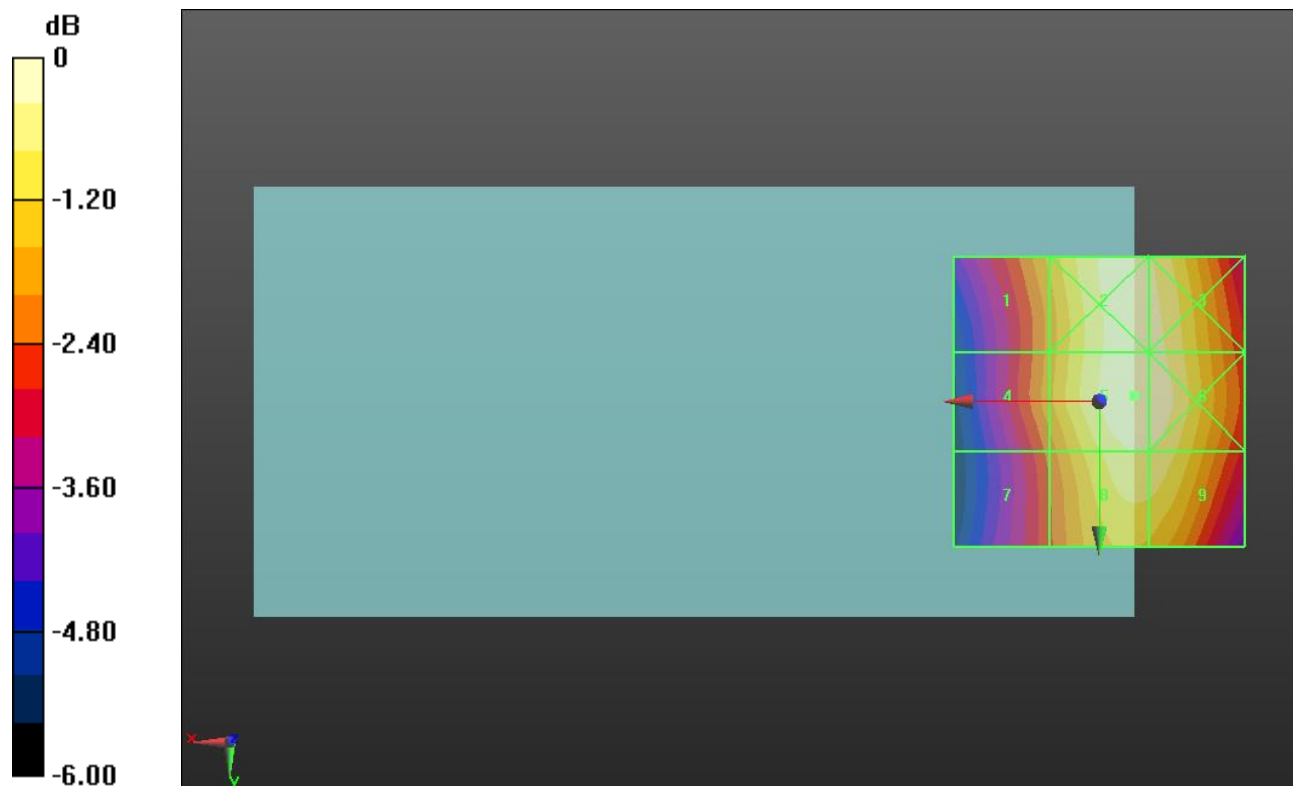
Applied MIF = 3.63 dB

RF audio interference level = 36.24 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>34.78 dBV/m</b>	Grid 2 <b>M4</b> <b>36.12 dBV/m</b>	Grid 3 <b>M4</b> <b>36.07 dBV/m</b>
Grid 4 <b>M4</b> <b>34.55 dBV/m</b>	Grid 5 <b>M4</b> <b>36.24 dBV/m</b>	Grid 6 <b>M4</b> <b>36.2 dBV/m</b>
Grid 7 <b>M4</b> <b>34.03 dBV/m</b>	Grid 8 <b>M4</b> <b>35.86 dBV/m</b>	Grid 9 <b>M4</b> <b>35.84 dBV/m</b>



0 dB = 64.86 V/m = 36.24 dBV/m

## HAC-RF Emission

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

## 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 = 15.68 V/m; Power Drift = -0.44 dB

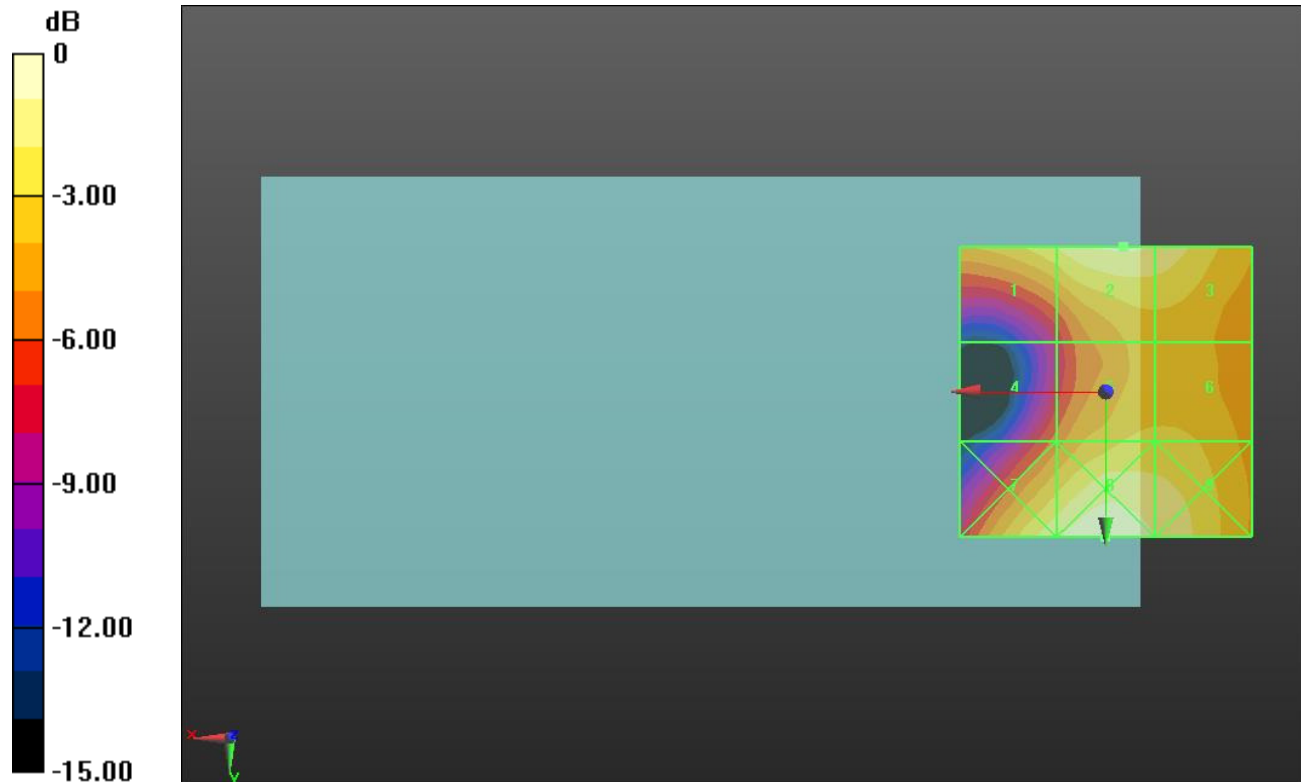
Applied MIF = 3.63 dB

RF audio interference level = 28.88 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>27.74 dBV/m</b>	Grid 2 <b>M4</b> <b>28.88 dBV/m</b>	Grid 3 <b>M4</b> <b>28.59 dBV/m</b>
Grid 4 <b>M4</b> <b>24.18 dBV/m</b>	Grid 5 <b>M4</b> <b>27 dBV/m</b>	Grid 6 <b>M4</b> <b>27 dBV/m</b>
Grid 7 <b>M4</b> <b>28.54 dBV/m</b>	Grid 8 <b>M4</b> <b>29.68 dBV/m</b>	Grid 9 <b>M4</b> <b>28.67 dBV/m</b>



0 dB = 30.46 V/m = 29.67 dBV/m

## HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

## 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 = 10.69 V/m; Power Drift = 0.52 dB

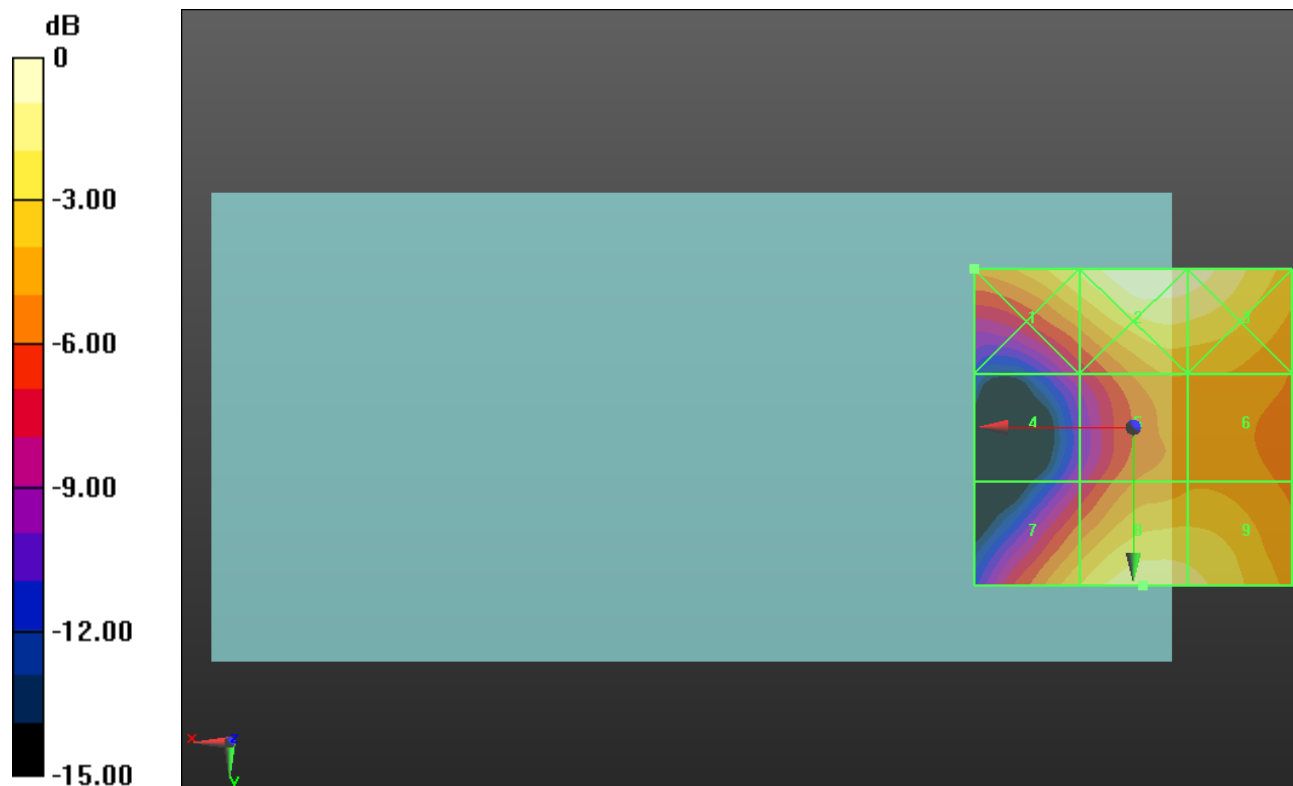
Applied MIF = 3.63 dB

RF audio interference level = 27.21 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>26.81 dBV/m</b>	<b>Grid 2 M4</b> <b>28.51 dBV/m</b>	<b>Grid 3 M4</b> <b>28.18 dBV/m</b>
<b>Grid 4 M4</b> <b>20.71 dBV/m</b>	<b>Grid 5 M4</b> <b>24.63 dBV/m</b>	<b>Grid 6 M4</b> <b>24.57 dBV/m</b>
<b>Grid 7 M4</b> <b>25.54 dBV/m</b>	<b>Grid 8 M4</b> <b>27.21 dBV/m</b>	<b>Grid 9 M4</b> <b>26.88 dBV/m</b>



0 dB = 26.65 V/m = 28.51 dBV/m

### HAC-RF Emission

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

### 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 = 7.094 V/m; Power Drift = 0.83 dB

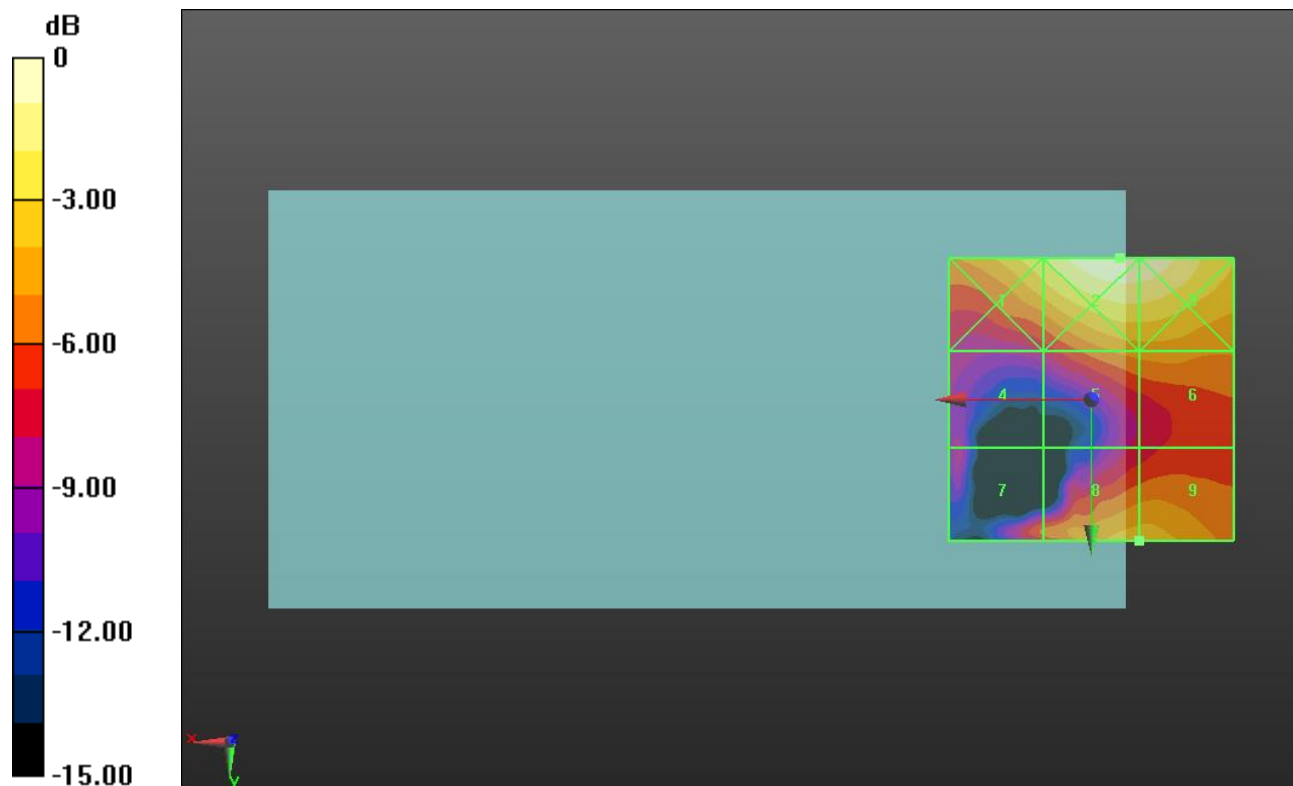
Applied MIF = 3.63 dB

RF audio interference level = 25.04 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>26.47 dBV/m</b>	<b>Grid 2 M4</b> <b>28.45 dBV/m</b>	<b>Grid 3 M4</b> <b>28.28 dBV/m</b>
<b>Grid 4 M4</b> <b>20.61 dBV/m</b>	<b>Grid 5 M4</b> <b>23.88 dBV/m</b>	<b>Grid 6 M4</b> <b>23.99 dBV/m</b>
<b>Grid 7 M4</b> <b>22.77 dBV/m</b>	<b>Grid 8 M4</b> <b>25.04 dBV/m</b>	<b>Grid 9 M4</b> <b>25.04 dBV/m</b>



0 dB = 26.44 V/m = 28.45 dBV/m