

### 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 58.83 V/m; Power Drift = -0.03 dB

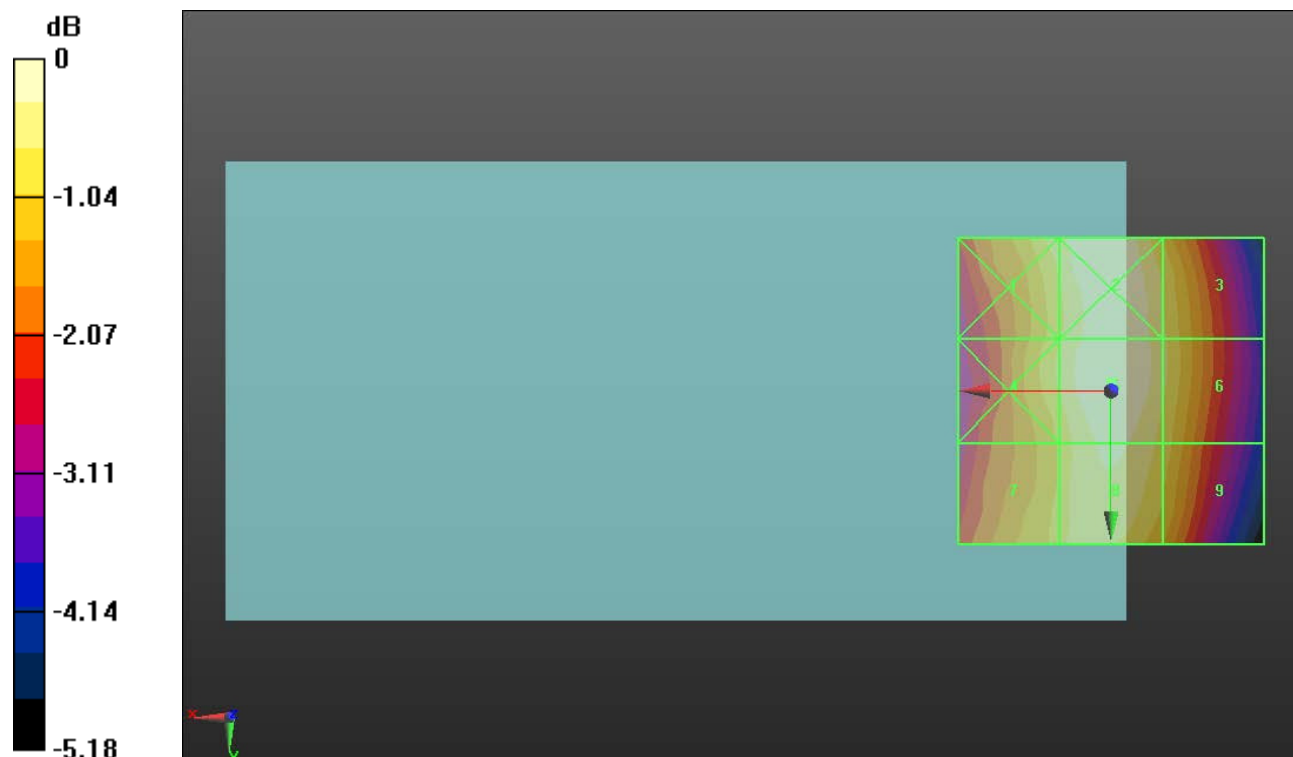
Applied MIF = 3.63 dB

RF audio interference level = 36.94 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>36.51 dBV/m</b>	<b>Grid 2 M4</b> <b>36.89 dBV/m</b>	<b>Grid 3 M4</b> <b>36.33 dBV/m</b>
<b>Grid 4 M4</b> <b>36.33 dBV/m</b>	<b>Grid 5 M4</b> <b>36.94 dBV/m</b>	<b>Grid 6 M4</b> <b>36.37 dBV/m</b>
<b>Grid 7 M4</b> <b>36.07 dBV/m</b>	<b>Grid 8 M4</b> <b>36.67 dBV/m</b>	<b>Grid 9 M4</b> <b>36.12 dBV/m</b>



0 dB = 70.34 V/m = 36.94 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 64.20 V/m; Power Drift = 0.16 dB

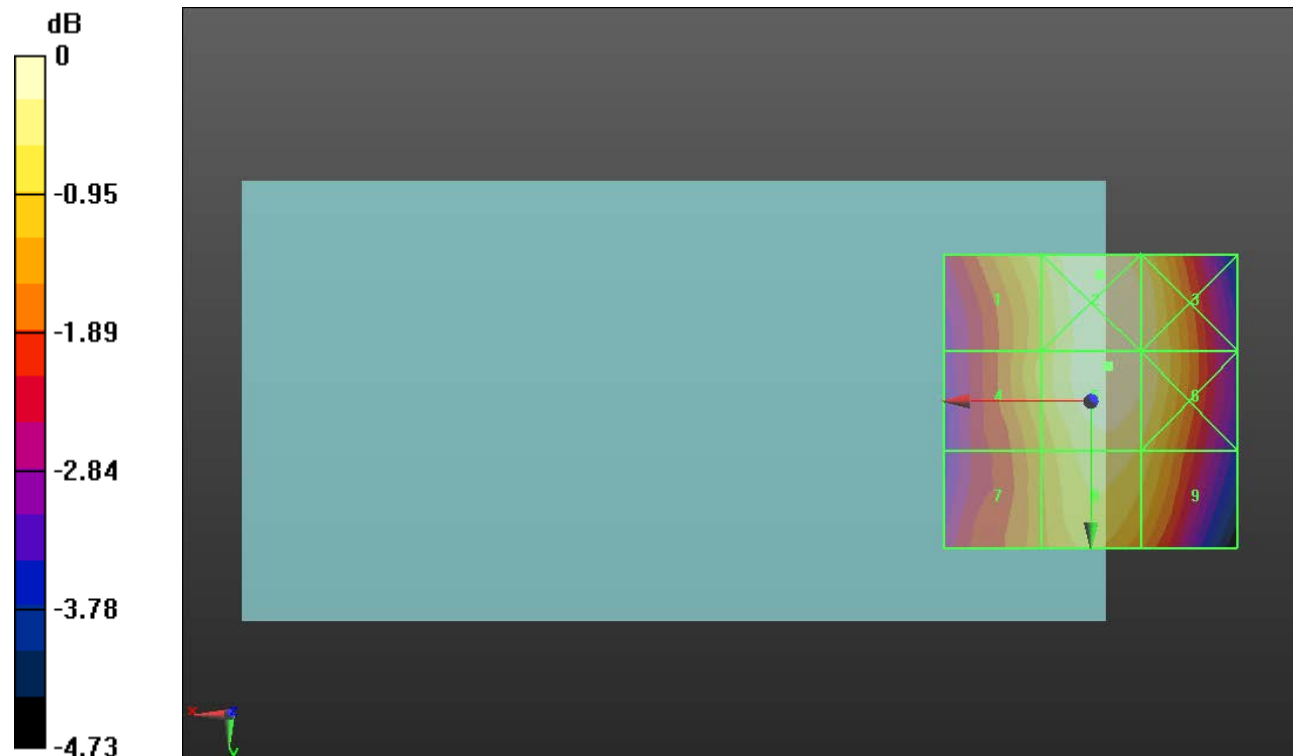
Applied MIF = 3.63 dB

RF audio interference level = 37.88 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.27 dBV/m</b>	Grid 2 <b>M4</b> <b>37.92 dBV/m</b>	Grid 3 <b>M4</b> <b>37.64 dBV/m</b>
Grid 4 <b>M4</b> <b>37.09 dBV/m</b>	Grid 5 <b>M4</b> <b>37.88 dBV/m</b>	Grid 6 <b>M4</b> <b>37.65 dBV/m</b>
Grid 7 <b>M4</b> <b>36.67 dBV/m</b>	Grid 8 <b>M4</b> <b>37.49 dBV/m</b>	Grid 9 <b>M4</b> <b>37.21 dBV/m</b>



0 dB = 78.67 V/m = 37.92 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 73.89 V/m; Power Drift = 0.05 dB

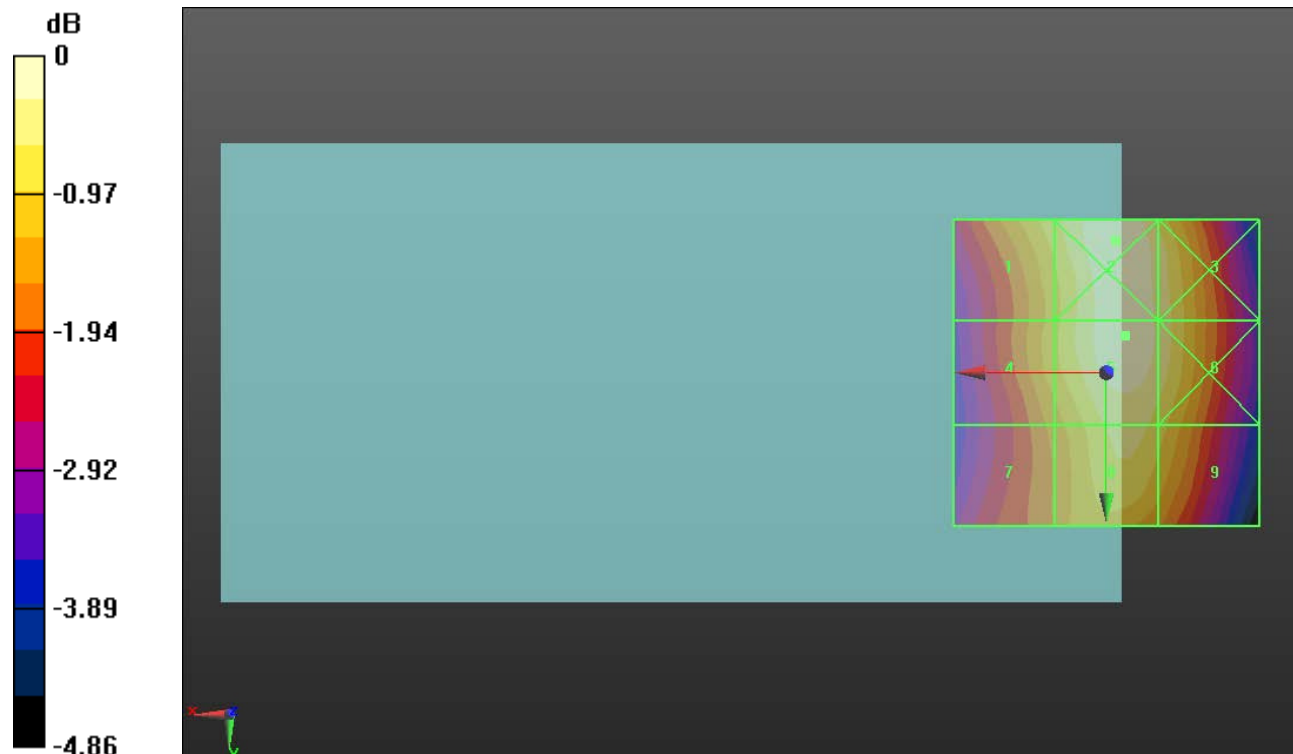
Applied MIF = 3.63 dB

RF audio interference level = 39.08 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>38.46 dBV/m</b>	Grid 2 <b>M4</b> <b>39.17 dBV/m</b>	Grid 3 <b>M4</b> <b>38.78 dBV/m</b>
Grid 4 <b>M4</b> <b>38.13 dBV/m</b>	Grid 5 <b>M4</b> <b>39.08 dBV/m</b>	Grid 6 <b>M4</b> <b>38.79 dBV/m</b>
Grid 7 <b>M4</b> <b>37.71 dBV/m</b>	Grid 8 <b>M4</b> <b>38.68 dBV/m</b>	Grid 9 <b>M4</b> <b>38.37 dBV/m</b>



0 dB = 90.92 V/m = 39.17 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 22.40 V/m; Power Drift = -0.08 dB

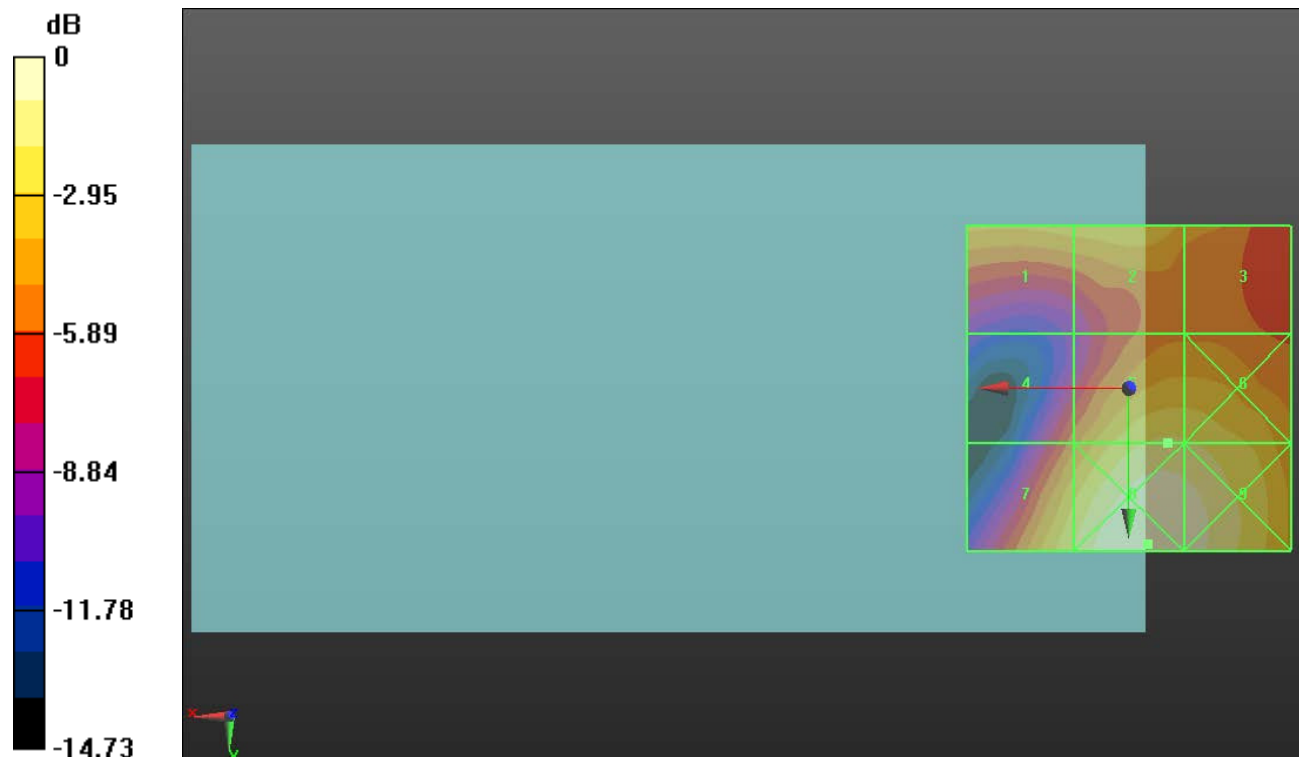
Applied MIF = 3.63 dB

RF audio interference level = 30.57 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>28.94 dBV/m</b>	Grid 2 <b>M4</b> <b>29.29 dBV/m</b>	Grid 3 <b>M4</b> <b>28.12 dBV/m</b>
Grid 4 <b>M4</b> <b>27.07 dBV/m</b>	Grid 5 <b>M3</b> <b>30.57 dBV/m</b>	Grid 6 <b>M3</b> <b>30.48 dBV/m</b>
Grid 7 <b>M3</b> <b>30.41 dBV/m</b>	Grid 8 <b>M3</b> <b>32.29 dBV/m</b>	Grid 9 <b>M3</b> <b>31.94 dBV/m</b>



0 dB = 41.16 V/m = 32.29 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 23.38 V/m; Power Drift = 0.45 dB

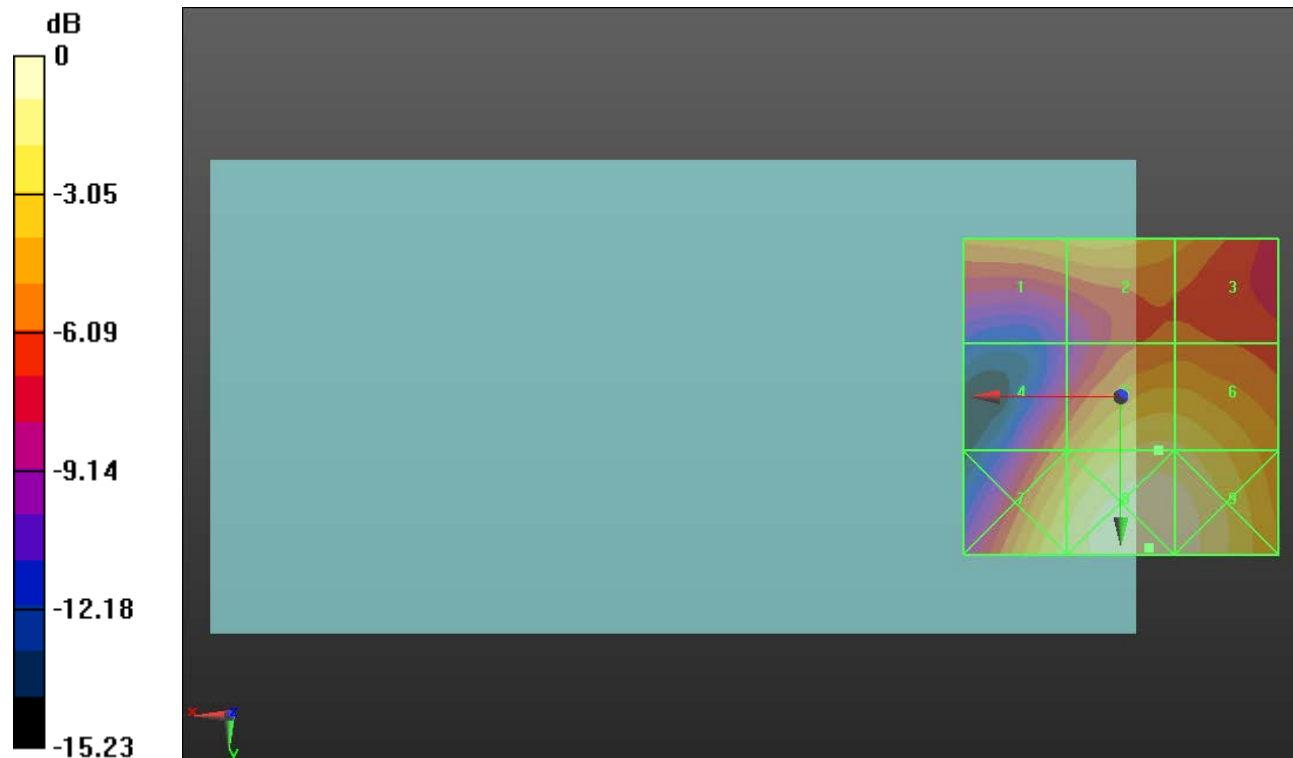
Applied MIF = 3.63 dB

RF audio interference level = 31.62 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.47 dBV/m</b>	Grid 2 <b>M4</b> <b>29.8 dBV/m</b>	Grid 3 <b>M4</b> <b>28.8 dBV/m</b>
Grid 4 <b>M4</b> <b>28.54 dBV/m</b>	Grid 5 <b>M3</b> <b>31.62 dBV/m</b>	Grid 6 <b>M3</b> <b>31.52 dBV/m</b>
Grid 7 <b>M3</b> <b>31.73 dBV/m</b>	Grid 8 <b>M3</b> <b>33.3 dBV/m</b>	Grid 9 <b>M3</b> <b>32.99 dBV/m</b>



0 dB = 46.21 V/m = 33.29 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: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 20.82 V/m; Power Drift = -0.61 dB

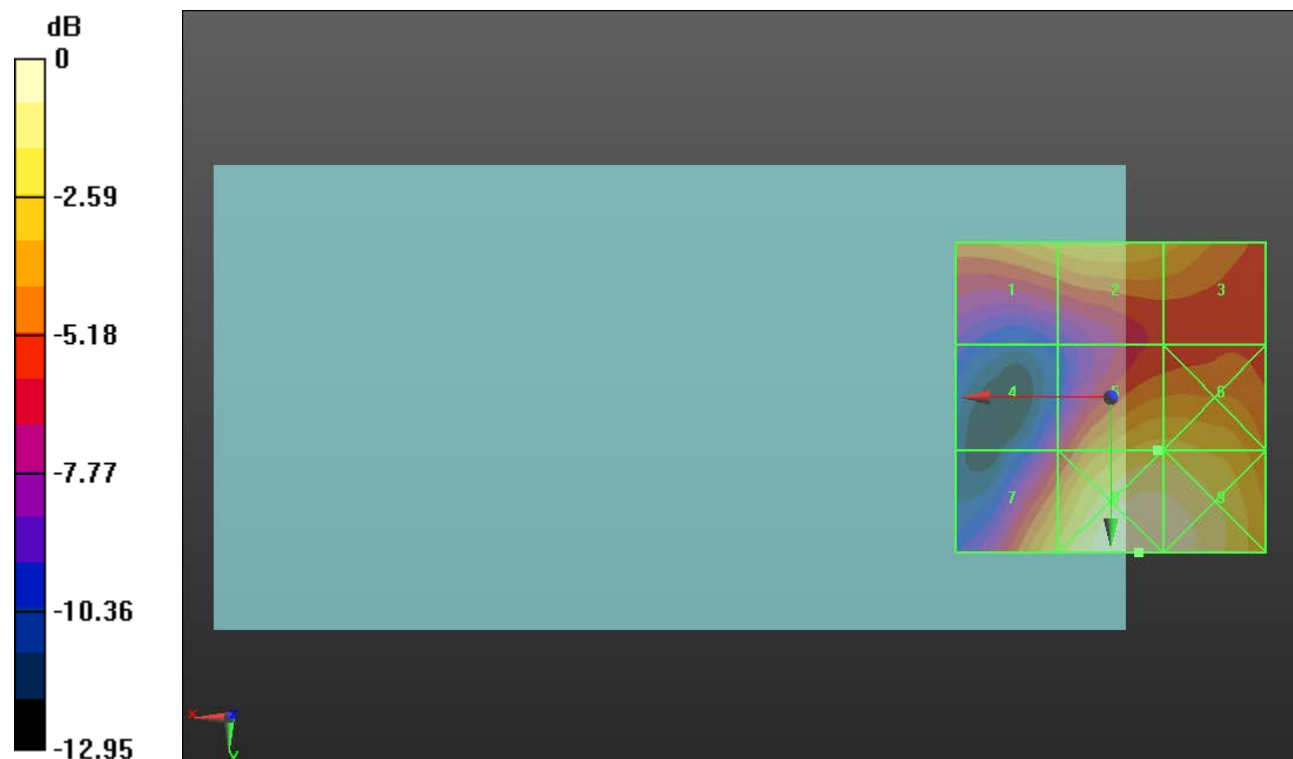
Applied MIF = 3.63 dB

RF audio interference level = 30.49 dBV/m

**Emission category: M3**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.74 dBV/m</b>	Grid 2 <b>M3</b> <b>30.25 dBV/m</b>	Grid 3 <b>M4</b> <b>29.66 dBV/m</b>
Grid 4 <b>M4</b> <b>25.79 dBV/m</b>	Grid 5 <b>M3</b> <b>30.49 dBV/m</b>	Grid 6 <b>M3</b> <b>30.48 dBV/m</b>
Grid 7 <b>M3</b> <b>30.35 dBV/m</b>	Grid 8 <b>M3</b> <b>32.64 dBV/m</b>	Grid 9 <b>M3</b> <b>32.43 dBV/m</b>



0 dB = 42.86 V/m = 32.64 dBV/m