

### #01\_HAC\_E\_GSM850\_GSM Voice\_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch128/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 73.51 V/m; Power Drift = 0.11 dB  
 Applied MIF = 3.63 dB  
 RF audio interference level = 39.01 dBV/m

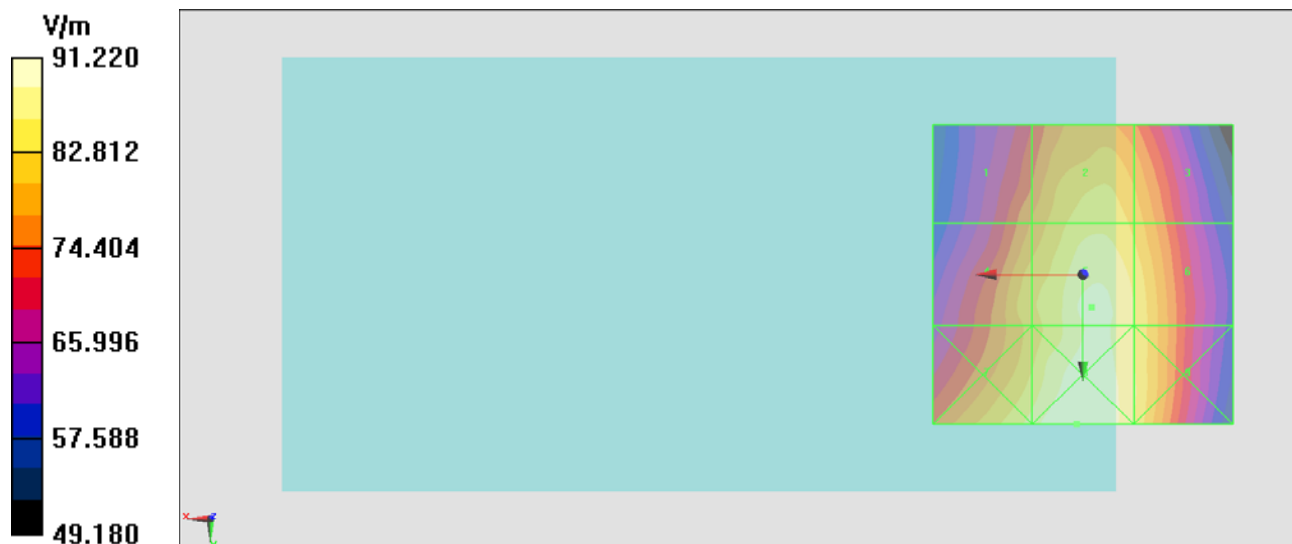
**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.81 dBV/m</b>	Grid 2 <b>M4</b> <b>38.59 dBV/m</b>	Grid 3 <b>M4</b> <b>38.28 dBV/m</b>
Grid 4 <b>M4</b> <b>38.34 dBV/m</b>	Grid 5 <b>M4</b> <b>39.01 dBV/m</b>	Grid 6 <b>M4</b> <b>38.66 dBV/m</b>
Grid 7 <b>M4</b> <b>38.79 dBV/m</b>	Grid 8 <b>M4</b> <b>39.2 dBV/m</b>	Grid 9 <b>M4</b> <b>38.7 dBV/m</b>

**Cursor:**

Total = 39.20 dBV/m  
 E Category: M4  
 Location: 1, 25, 8.7 mm



## #02\_HAC\_E\_GSM850\_GSM Voice\_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C

### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

### Ch189/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 72.06 V/m; Power Drift = 0.00 dB  
 Applied MIF = 3.63 dB  
 RF audio interference level = 38.80 dBV/m

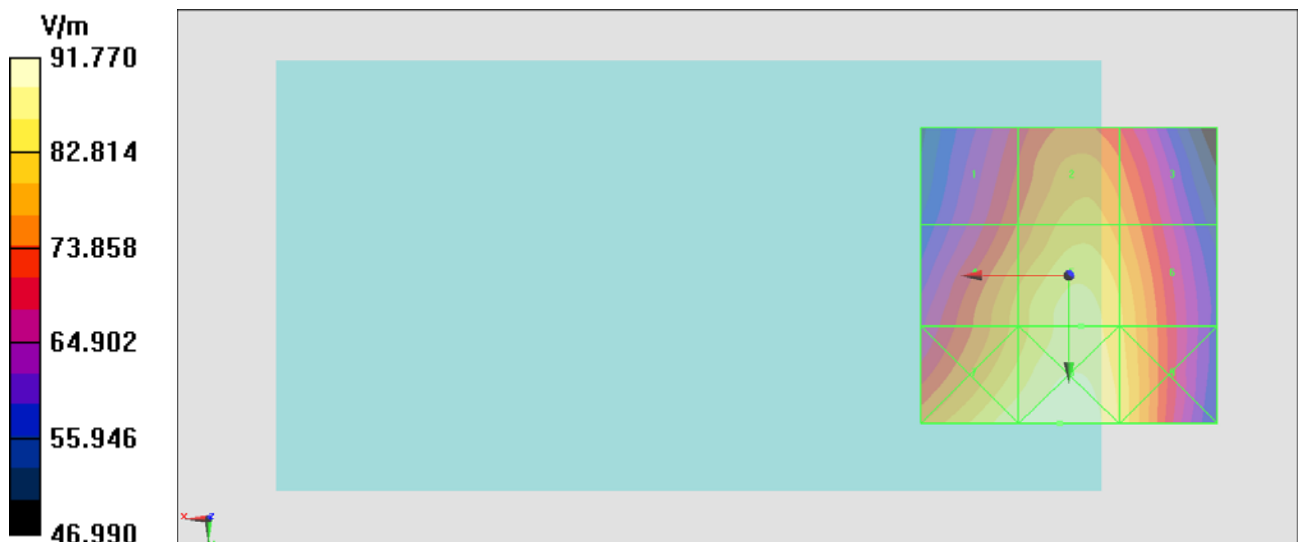
### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.42 dBV/m</b>	Grid 2 <b>M4</b> <b>38.23 dBV/m</b>	Grid 3 <b>M4</b> <b>37.89 dBV/m</b>
Grid 4 <b>M4</b> <b>38.2 dBV/m</b>	Grid 5 <b>M4</b> <b>38.8 dBV/m</b>	Grid 6 <b>M4</b> <b>38.44 dBV/m</b>
Grid 7 <b>M4</b> <b>38.99 dBV/m</b>	Grid 8 <b>M4</b> <b>39.25 dBV/m</b>	Grid 9 <b>M4</b> <b>38.63 dBV/m</b>

#### Cursor:

Total = 39.25 dBV/m  
 E Category: M4  
 Location: 1.5, 25, 8.7 mm



### #03\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch251/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 70.66 V/m; Power Drift = 0.02 dB  
 Applied MIF = 3.63 dB  
 RF audio interference level = 38.74 dBV/m

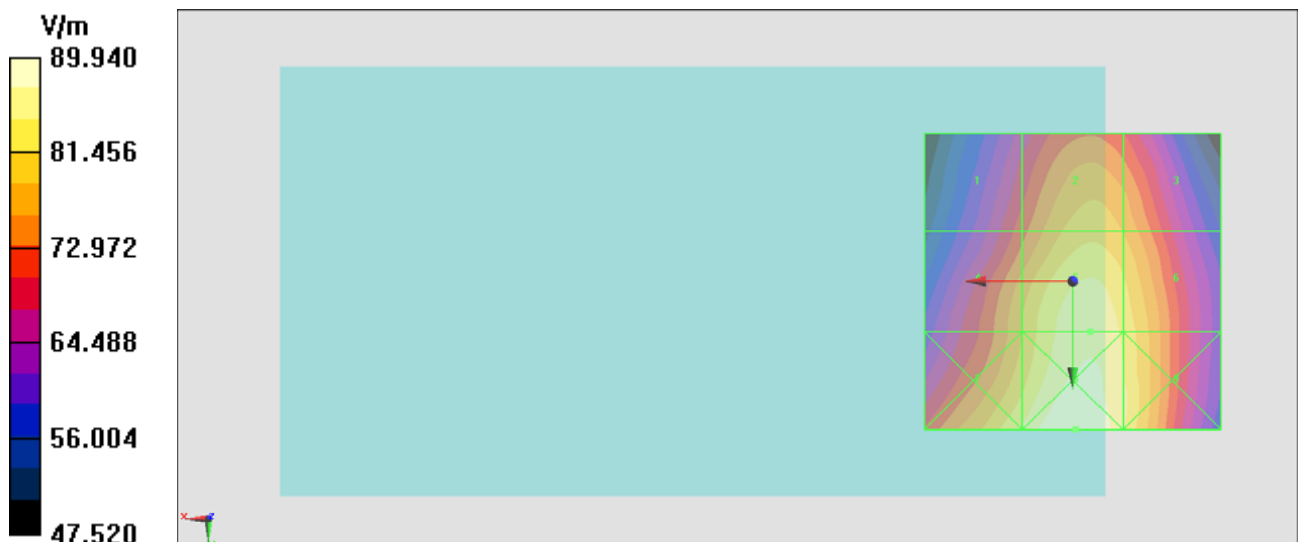
**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>37.15 dBV/m</b>	Grid 2 <b>M4</b> <b>38.14 dBV/m</b>	Grid 3 <b>M4</b> <b>37.9 dBV/m</b>
Grid 4 <b>M4</b> <b>37.92 dBV/m</b>	Grid 5 <b>M4</b> <b>38.74 dBV/m</b>	Grid 6 <b>M4</b> <b>38.46 dBV/m</b>
Grid 7 <b>M4</b> <b>38.59 dBV/m</b>	Grid 8 <b>M4</b> <b>39.08 dBV/m</b>	Grid 9 <b>M4</b> <b>38.6 dBV/m</b>

**Cursor:**

Total = 39.08 dBV/m  
 E Category: M4  
 Location: -0.5, 25, 8.7 mm



### #04\_HAC\_E\_GSM1900\_GSM Voice\_Ch512

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

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch512/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.809 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.55 dBV/m

**Emission category: M4**

MIF scaled E-field

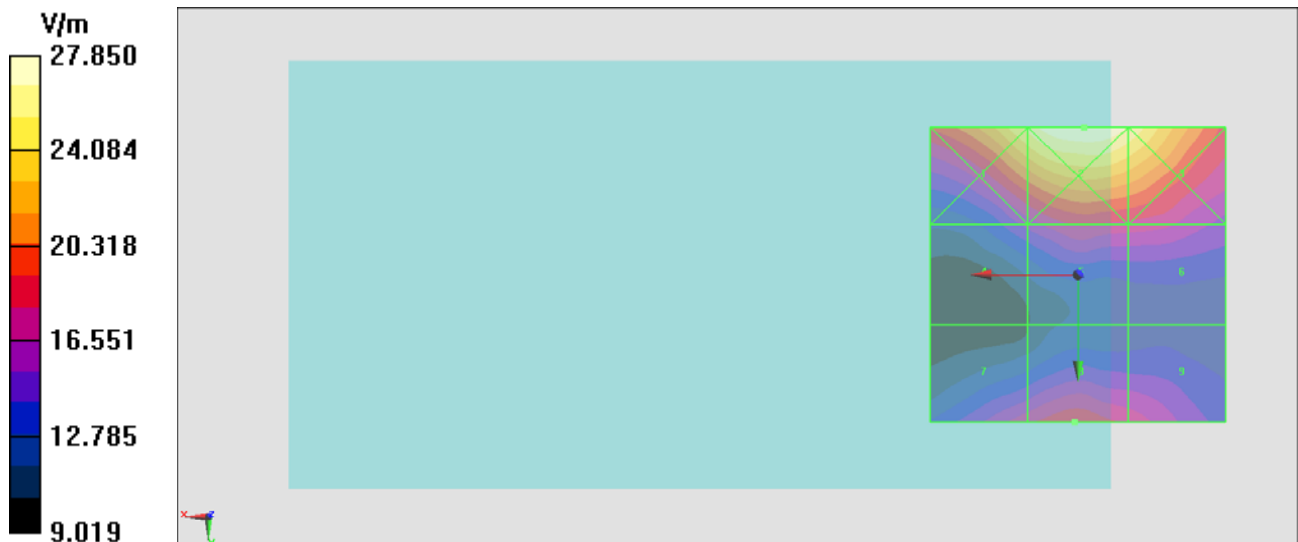
<b>Grid 1 M4</b> <b>28.24 dBV/m</b>	<b>Grid 2 M4</b> <b>28.9 dBV/m</b>	<b>Grid 3 M4</b> <b>28.46 dBV/m</b>
<b>Grid 4 M4</b> <b>23.97 dBV/m</b>	<b>Grid 5 M4</b> <b>25.1 dBV/m</b>	<b>Grid 6 M4</b> <b>24.83 dBV/m</b>
<b>Grid 7 M4</b> <b>24.9 dBV/m</b>	<b>Grid 8 M4</b> <b>25.55 dBV/m</b>	<b>Grid 9 M4</b> <b>24.88 dBV/m</b>

**Cursor:**

Total = 28.90 dBV/m

E Category: M4

Location: -1, -25, 8.7 mm



### #05\_HAC\_E\_GSM1900\_GSM Voice\_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch661/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 10.96 V/m; Power Drift = 0.17 dB  
 Applied MIF = 3.63 dB  
 RF audio interference level = 25.82 dBV/m

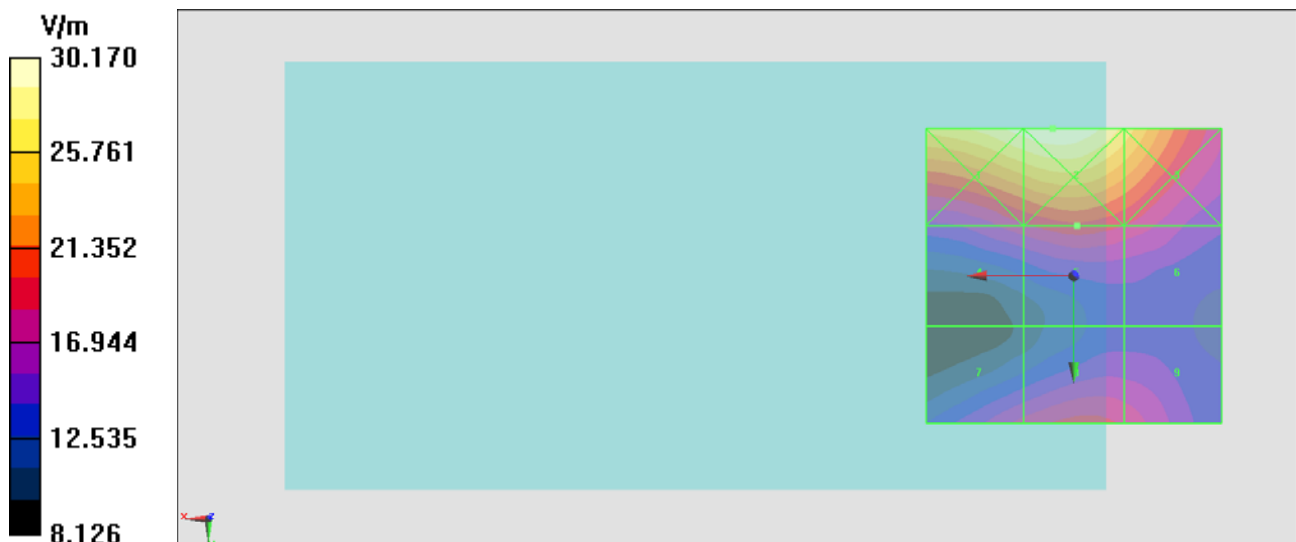
**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>29.39 dBV/m</b>	<b>Grid 2 M4</b> <b>29.59 dBV/m</b>	<b>Grid 3 M4</b> <b>28.56 dBV/m</b>
<b>Grid 4 M4</b> <b>25.17 dBV/m</b>	<b>Grid 5 M4</b> <b>25.82 dBV/m</b>	<b>Grid 6 M4</b> <b>25.3 dBV/m</b>
<b>Grid 7 M4</b> <b>24.91 dBV/m</b>	<b>Grid 8 M4</b> <b>25.6 dBV/m</b>	<b>Grid 9 M4</b> <b>25.19 dBV/m</b>

**Cursor:**

Total = 29.59 dBV/m  
 E Category: M4  
 Location: 3.5, -25, 8.7 mm



## #06\_HAC\_E\_GSM1900\_GSM Voice\_Ch810

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

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2013/11/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

### Ch810/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 11.62 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.56 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.84 dBV/m</b>	Grid 2 <b>M3</b> <b>30.13 dBV/m</b>	Grid 3 <b>M4</b> <b>29.47 dBV/m</b>
Grid 4 <b>M4</b> <b>25.64 dBV/m</b>	Grid 5 <b>M4</b> <b>26.56 dBV/m</b>	Grid 6 <b>M4</b> <b>26.46 dBV/m</b>
Grid 7 <b>M4</b> <b>24.73 dBV/m</b>	Grid 8 <b>M4</b> <b>25.59 dBV/m</b>	Grid 9 <b>M4</b> <b>25.39 dBV/m</b>

**Cursor:**

Total = 30.13 dBV/m

E Category: M3

Location: 1.5, -25, 8.7 mm

